

Lighting Controls Product Selection Guide



For
Architectural,
Theatrical,
Commercial
and Residential
Applications

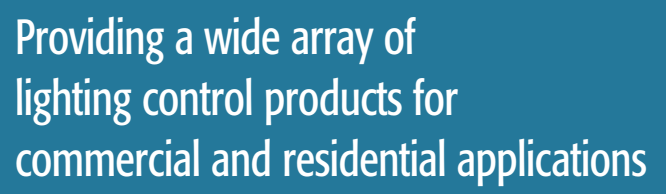


TABLE OF CONTENTS

Introduction

A Box-Mounted Lighting & Fan Speed Controls

Introduction to Dimming	A2
Acenti Lighting Controls & Wallplates	A4
Architectural Specification	A12
Monet Preset Slide Dimmers	A13
Monet Switches and Accessories	A13
Renoir Preset Slide Dimmers	A16
Van Gogh Rotary Dimmers	A18
<i>Monet Wallplate Custom Engraving Order Form</i>	A23
Vizia Collection	A28
Vizia Preset Lighting Controls	A29
Mural Brand	A31
Mural Preset Dimmers	A32
Mural Scene Lighting Controls	A33
Leviton Touch	A41
TouchPoint Preset Dimmers	A42
True Touch Preset Dimmers	A44
ToggleTouch Preset Dimmers	A46
Traditional	A50
IllumaTech Preset Dimmers	A51
IllumaTech Preset Dimmers	A51
IllumaTech Slide-to-off Dimmers	A53
SureSlide Full-Range Dimmers	A55
Trimatron Rotary Dimmers	A57
Specialty Lighting Controls	A59
Incandescent Toggle Dimmers	A61

B Wallplates

Decora Style	B2
Decora Plus Screwless Wallplates	B3
Decora Standard-Size Nylon & Metal Wallplates	B4
Decora Standard-Size Plastic Wallplates	B5
Decora Midway-Size Wallplates	B6
Decora Oversized Wallplates	B7
Toggle Switch	B8
Standard-Size Nylon & Metal Toggle Wallplates	B9
Standard-Size Plastic Toggle Wallplates	B10
Midway-Size Toggle Wallplates	B11
Oversized Toggle Wallplates	B12
Acenti Wallplates	B13

C Energy Management & Dimming Products

Centura Fluorescent Energy Management System	C2
Occupancy Sensors	C12
Wall-Switch	C13
Fixture-Mount	C16
Ceiling-Mount	C17
Wall-Mount	C21
Power Packs	C23
Outdoor Motion Sensors	C24
Electronic Timer Switches	C30
Preset Switches	C31
Programmable Switches	C32
Z-MAX Relay Systems	C35

D Dimensions Architectural Lighting Controls

Dimensions Line Comparison Chart	D2
D3200	D3
D4200	D15
D8000	D24

E Analog Lighting Control Systems

Analog Line Comparison Chart	E1
CP Manual System	E3
DPSII Preset Remote Dimmer System	E8
DMS Preset Remote Dimmer System	E13

F Power Dimming Cabinets

a-2000	F2
MDS	F11
i Series	F15

G Theatrical Systems

Innovator Series	G1
Encore Series	G2
Status Series	G3
i Series	G4
Rolling Racks	G5
Fixtures	G6

H Power Extenders

I International Lighting Controls

T Technology Brief

Index, by Catalog Number

Please note that we have expanded our coverage of products and systems in this catalog. Each section (chapter) presents everything you should need to know to select and place an order. Most sections are divided into sub-sections that each reflect a group of similar products or a system. Each sub-section begins with an overview. The product listings that follow provide specific features and benefits, specifications, testing and warranty information, catalog numbers, electrical ratings, dimensions, and photographs. Each sub-section ends with application page(s) that provide information to help you make your selection and technical information page(s) with wiring diagrams and more.

INTRODUCTION

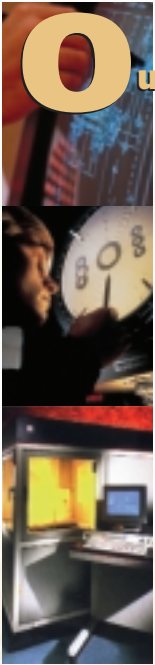
100 Years of Excellence

Isidore Leviton founded the Leviton Manufacturing Company at the dawn of the electrical era in 1906. Originally engaged in the fabrication of mantle tips for gas lighting, the company soon converted to production of a single electrical product: a pull-chain lampholder. Leviton began manufacturing lighting controls in the late 1950s. Nearly forty years later we introduced scene-capable, digital box-mounted dimmers and soon after expanded our product offering with sophisticated theatrical and commercial lighting control systems. Today, Leviton is recognized as an industry leader in lighting control solutions for any size application—from convention centers and concert halls to restaurants and private residences.



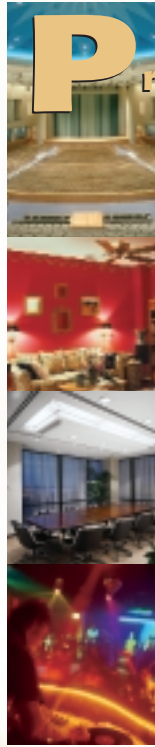
Why Select Leviton for Your Lighting Controls

Outstanding Selection



As evolving technologies give rise to lighting innovations, Leviton's team of lighting industry experts work together to maintain an outstanding selection of top-quality, easy-to-install lighting controls. Leviton offers the most comprehensive line of leading-edge lighting control products in the industry. Our controls include box-mounted lighting and fan speed controls, occupancy sensors, timers, energy management systems, architectural lighting control systems, and theatrical equipment. For the design professional, this means more options for delivering the ideal control solution for each application.

Products for Every Lighting Control Application



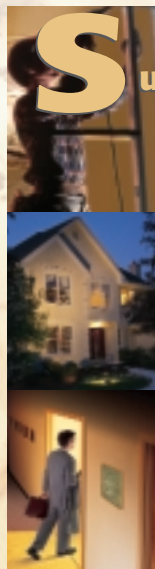
Whether you require conventional box-mounted controls, systems to conserve energy and enhance security or custom-designed architectural systems tailored to site-specific needs, Leviton has the product or system for you! Leviton's innovative controls for incandescent, low-voltage and fluorescent lighting offer the most advanced technology available—combined with durable construction, universal ease-of-use features, and overall superior performance. Choose from thousands of high-quality Leviton lighting controls and you'll find unparalleled performance, reliability and service life.

World-Class Quality



Backed by a longstanding tradition of quality and ISO 9001 certification, Leviton applies the highest quality standards to the development and manufacture of all our lighting products. Leviton products are designed in state-of-the-art production facilities equipped with the latest industrial robotics and automation technologies. The integration of technology-based process controls ensures consistent quality while providing significant efficiencies and reducing manufacturing costs—enabling us to offer our customers value as well as performance. In-house labs perform demanding tests to ensure that all products meet or exceed the most rigorous industry standards. This gives us the confidence to offer an exclusive, five-year warranty on all box-mounted dimmers and occupancy sensors. That's a statement of quality you'll find only from Leviton.

Superior Value



Your customers deserve products and systems that deliver energy conservation, cost savings, sophistication, convenience, security, and the utmost in performance. Leviton lighting control products offer these benefits plus ease of use, elegant styling and exceptionally long service life. Leviton products also offer significant benefits to installers such as clear step-by-step installation instructions that are easy to understand and follow, for trouble-free installations.



Box-Mounted Dimmers

Leviton box-mounted dimmers offer the utmost in mood/task lighting and energy-saving benefits. They come in a wide range of models including preset, slide, toggle, touch, rotary, and architectural style. These products feature contemporary styling and provide precise, dependable control for incandescent, fluorescent and low-voltage lighting. Most coordinate with our extremely popular line of Decora® wiring devices (including switches and receptacles).

DIMMING BENEFITS

ENERGY SAVINGS

- Reduces energy consumption for lower electric bills
- Extends bulb life for fewer bulb replacements—a real convenience with those hard-to-reach fixtures

AESTHETICS

- Lets you adjust lighting to suit the mood, task or time of day
- Accents artwork, window displays, and more

PRODUCTIVITY

- Individual control of lighting minimizes the likelihood of eyestrain
- Allows lighting to accommodate complete range of activities
- Reduces glare at computer workstations



Scene Lighting

With scene lighting, any group of fixtures including multiple luminaires that draw power from different phases can be turned on at a user-programmed brightness level. (For example, one load can be turned on to full brightness, a second load to half brightness and a third load to one-quarter brightness.)

The ability to simultaneously control the brightness levels of independent light sources in a room or group of rooms enables lighting to be custom tailored to fulfill task and mood lighting needs and to be recalled with a touch of a button.

SCENE CONTROL BENEFITS

CONVENIENCE

- Lets you adjust all lights perfectly with a single touch
- Scheduled scene control automatically adjusts lighting to suit the time of day

AESTHETICS

- Helps you “decorate with light” by letting you define repeatable scenes
- Adjustable fade rates can create smooth transitions between brightness levels

ENERGY SAVINGS

- Dimming lowers electric bills
- Dimming extends bulb life



Occupancy Sensor Lighting Controls

Leviton occupancy sensors provide dramatic energy and cost-savings. In private offices occupancy sensors have been shown to reduce energy consumption an average of 25%. In restrooms, the savings can be as high as 40%, and in hospitals as high as 80%. Occupancy sensor lighting controls work by monitoring specific areas and automatically turning on lights when presence is detected and off when the area is no longer occupied. Leviton offers occupancy sensor lighting controls utilizing infrared, ultrasonic, and combined infrared and ultrasonic technologies. They come in ceiling-mount, wall-mount and wall-switch versions.

OCCUPANCY SENSOR BENEFITS

CONVENIENCE

- Automatic light switching requires no user interaction
- Hands-free switching provides equal accessibility for people of all ages and abilities

SAFETY

- Sensor technology automatically illuminates otherwise dark rooms and hallways as they are entered

ENERGY SAVINGS

- Keeps lights from being left on when a space is unoccupied
- Lowers electric bills
- Cost effective means of energy code compliance



Timer and Relay Switching Products

Leviton Decora timer switches come in a wide variety of electronic and fully programmable models with time and rating choices to fit every commercial and residential need. Ideal for controlling indoor and outdoor lights, these switches coordinate perfectly with other Leviton Decora wiring devices. Leviton also offers self-contained relay lighting control panels with time clock and switching contactor functions.



Theatrical Equipment

Leviton's Colortran® theatrical equipment includes lighting control consoles, dimming cabinets, rolling racks and lighting fixtures that provide cutting-edge stage, studio and architectural functionality. Designed for precision performance in the most demanding environments, Leviton offers the best value in theatrical lighting systems available today.



Architectural Lighting Control Systems

Leviton's highly scalable architectural light control systems are designed to work with virtually every type of lighting. These systems range from compact self-contained devices to elaborate lighting controls and from basic manual preset to state-of-the-art digital controls. Leviton's architectural systems can be custom manufactured to meet site-specific requirements. Our designer preset systems and distributed programmable computer-controlled systems provide the broadest base of alternatives from which to choose for large-scale, multi-use environments. Most systems incorporate sophisticated features including scene control, room partitioning, and theatrical-grade lighting control. You will find our architectural controllers, panels, cabinets and racks in chapters D through F.

About this Catalog

This catalog is Leviton's latest and most comprehensive source of information about our extensive line of lighting controls. Whether you specify, recommend, purchase or install these products, this catalog should help you to determine with confidence which Leviton products are most suited to each of your projects.

You may notice that this catalog has changed significantly as compared to previous versions. It may be helpful for us to point out a few key changes:

- Each sub-section now contains an Application page which provides additional information to help you make your selection—such as criteria for choosing between Leviton products/systems, a listing of typical applications, and more
- Technical Information (including wiring diagrams) is now conveniently presented immediately behind each group of products (or each system); instead of in the back of the book
- For easy reference, where applicable, the outside of each page lists icons corresponding to the load types that may be controlled with the Leviton devices on that page

Load Icon Legend

	Incandescent		Neon Cold Cathode
	Fluorescent		High Intensity Discharge
	Magnetic Low Voltage		Fan Speed Control
	Electronic Low Voltage		Motor Load



Box-Mounted Lighting & Fan Speed Controls



SECTION



Leviton's wide selection of box-mounted lighting controls for incandescent, magnetic and electronic low-voltage, and fluorescent fixtures combines sophisticated designer styling with state-of-the-art technology. This comprehensive line includes a vast array of styles: slide, rocker, rotary, toggle, and touch pad. The Acenti line of return-to-neutral dimmers defines a brand new standard of premium grade lighting control with its innovative contoured geometry, consistent form factor and ergonomic traits. The Vizia line is integrated into a stylish new form factor with an exceptionally intuitive, easy-to-operate control incorporating advanced lighting technologies. The Mural line of rocker-style devices includes a seven-scene controller and a range of compatible devices. With such a broad range of styles and features, you'll be sure to find a Leviton box-mounted dimmer that's perfect for every application.

Acenti®	Mural® Collection	Traditional Style									
<p>Acenti Dimmer</p> <p>Premium-grade dimmers, remotes and fan-speed control with innovative design and feature set. Available in numerous ratings and premium colors.</p>  <p>PAGE A4</p>	<p>Mural Dimmer</p> <p>Decora rocker digital dimmers plus 7-scene Scene Controller. Wide range of color change kits available.</p>  <p>PAGE A31</p> <p><i>Mural Fan Speed Controls also available.</i></p>	<p>IllumaTech™ Slide & Rotary Dimmers</p> <p>Fluid slide bar provides fine adjustment of lighting and fan speed levels. Preset models have pushbutton switch. Rotary dimmers also available.</p>  <p>PAGE A51</p>									
Architectural Specification	Leviton Touch Dimmers										
<p>Monet® Slide Dimmer</p> <p>Low-profile architectural controls with advanced features. With narrow or wide fin. Matte finish. Custom-engraved wallplates available.</p>  <p>PAGE A13</p>	<p>TouchPoint™ Dimmer</p> <p>Decora full-range multi-location touch dimmer responds to finger placement on pad. With preset switch, Locator LED and brightness indicators.</p>  <p>PAGE A42</p>	<p>SureSlide™ Slide Dimmer</p> <p>Smooth-action slide control for easy, precise operation. Slim design ideal for multi-gang installations. Preset and slide-to-off versions.</p>  <p>PAGE A55</p>									
<p>Renoir® Slide Dimmer</p> <p>Rugged, full-range preset slide dimmer for high-power loads. With narrow or wide fin.</p>  <p>PAGE A16</p>	<p>True Touch™ Dimmer</p> <p>Decora-style digital dimmer with full-range, single- and multi-location dimming in a touch of a finger. Convenient color change kits available.</p>  <p>PAGE A44</p>	<p>Trimatron® Rotary Dimmer</p> <p>Ultra-compact, full-range rotary dimmers.</p>  <p>PAGE A57</p>									
<p>Van Gogh® Rotary Dimmer</p> <p>Architectural yet classic full-range rotary dimmer for high-power incandescent loads. Rugged design.</p>  <p>PAGE A18</p>	<p>ToggleTouch™ Dimmer</p> <p>Dimmers that combine traditional toggle and touch-pad technology.</p>  <p>PAGE A46</p>	<p>Specialty Lighting Controls</p> <p>Specialty dimmers, sockets & switches. Emergency switch flashes lights on and off. Lamp-cord and 4-step dimmers also available.</p>  <p>PAGE A59</p>									
<i>Monet, Renoir and Van Gogh Fan Speed Controls also available.</i>											
NEW! Vizia™ Collection	Load Icon Legend										
<p>Vizia™ Dimmer</p> <p>Decora digital dimmer with LED brightness level indicators, Dim/Bright bar and return-to-neutral push pad. Brightness level can be set when lights are off. Color change kits available.</p>  <p>PAGE A28</p> <p><i>Vizia Fan Speed Controls also available.</i></p>	<table> <tr> <td> Incandescent</td><td> Electronic Low Voltage</td><td> Fan Speed Control</td></tr> <tr> <td> Fluorescent</td><td> High Intensity Discharge</td><td> Motor Load</td></tr> <tr> <td> Magnetic Low Voltage</td><td> Neon Cold Cathode</td><td></td></tr> </table>		 Incandescent	 Electronic Low Voltage	 Fan Speed Control	 Fluorescent	 High Intensity Discharge	 Motor Load	 Magnetic Low Voltage	 Neon Cold Cathode	
 Incandescent	 Electronic Low Voltage	 Fan Speed Control									
 Fluorescent	 High Intensity Discharge	 Motor Load									
 Magnetic Low Voltage	 Neon Cold Cathode										

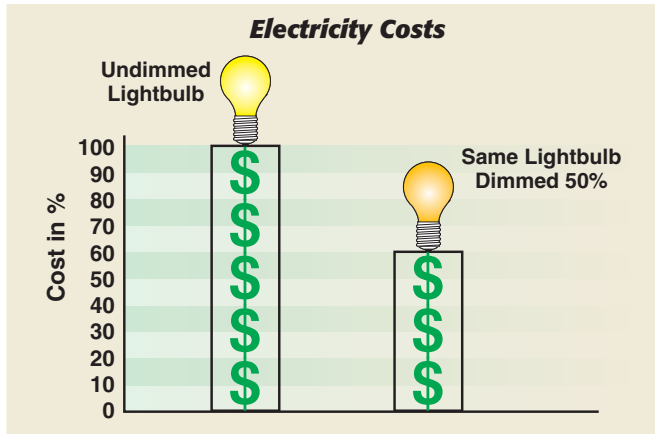
Box-Mounted Lighting & Fan Speed Controls

Introduction to Dimming



THE CASE FOR DIMMING

Having the ability to adjust the brightness level of lights manually or automatically (via scene capability) offers a host of benefits in a variety of areas.



Energy & Money Savings

- Reduced energy consumption lowers electric bills
- Extended bulb life means changing them less often and purchasing fewer light bulbs

To be specific: A light bulb at 50% brightness uses approximately 40% less electricity. And a bulb at 50% brightness will last up to 20 times longer—Leviton Institute

Aesthetics

- To create the right mood for every occasion
- Adjusts lighting to suit the time of day
- Accents artwork, window displays, and more



Productivity

- Gives employees individual control of lighting and minimizes the likelihood of eyestrain
- To reduce glare at computer workstations
- Allows lighting to accommodate complete range of activities within commercial applications

THE LEVITON APPROACH

More Dimmer for Same Price

Most Leviton box-mounted dimmers and fan speed controls can be used for either single- or three-way applications. This gives you the flexibility to use one device in a wider variety of applications, whether planning to dim a fixture from one location or more. Look for this functionality in our preset Monet®, Mural®, ToggleTouch™, True Touch™, TouchPoint™, and IllumaTech™ offerings.

More Colors without More Shelf Space

Through Leviton's Color Change Kits distributors can offer the broadest range of colors without increasing their stock of dimmers. Here's how it works. Every Leviton box-mounted control is sold as a complete package in at least one or two of the most popular colors, which a reseller might stock on their shelves. Yet homeowners and designers alike demand a much wider selection of colors and that's where the Color Change Kit comes in. A Color Change Kit contains only the plastic switch cover (without the actual control device) in the color of choice. A matching wallplate can be selected from Leviton's extensive range of designs and colors. Leviton Monet, Mural, True Touch and IllumaTech controls use color change kits.

NOTE About Magnetic Low-Voltage Ratings

The capacity of a magnetic low-voltage dimmer is its VA rating. If a wattage rating is also listed (as it is in this book), it is merely an estimate of the lamp wattage that can be placed on a UL-approved magnetic low-voltage transformer without exceeding the dimmer's VA rating. Actual wattage will vary depending on the efficiency of the transformer.



IPKIT Color Change Kits for IllumaTech devices

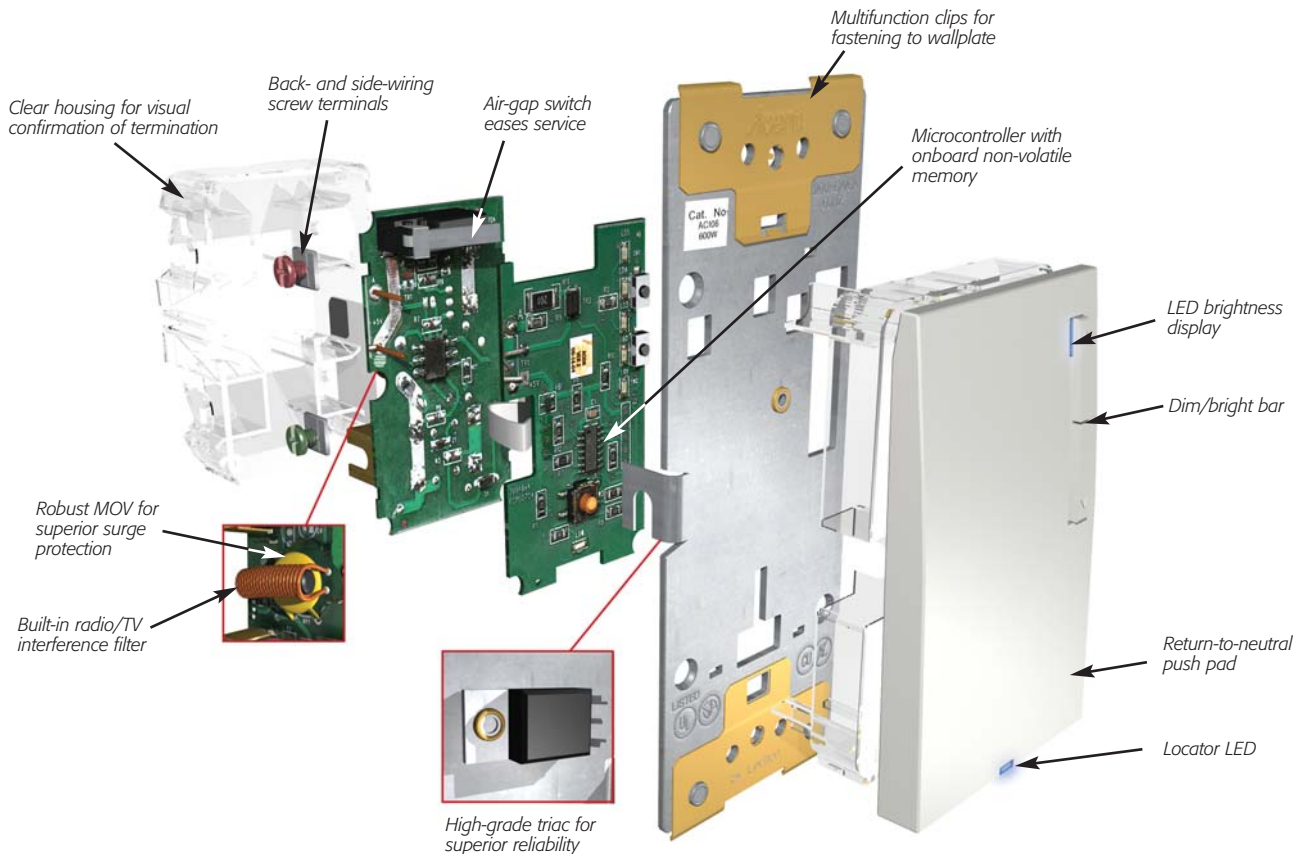
Box-Mounted Lighting & Fan Speed Controls

Acenti Overview

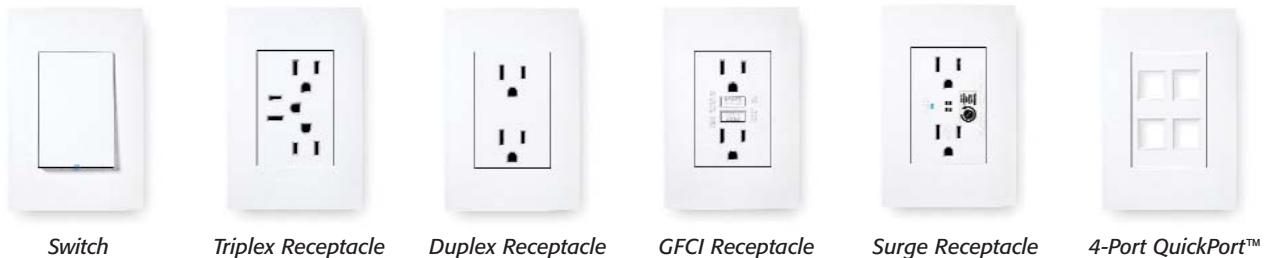


Acenti **LIGHTING CONTROLS**

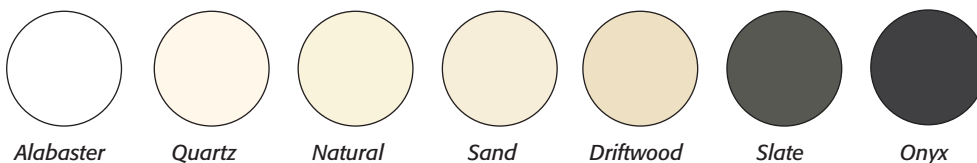
Leviton's premium-grade lighting controls are technically superior devices with unmatched aesthetics for high-end residential applications. Each Acenti™ dimmer and fan speed control features a patent-pending return-to-neutral push pad, soothing blue LEDs, and a unique surface alignment system. Leviton also offers a full line of coordinating receptacles (including the Leviton-exclusive Triplex receptacle), switches and wallplates. Acenti devices are rated for a variety of load types.



Coordinating Acenti Devices



Available Colors



Note: Wallplates are also available in Brushed Stainless Steel.

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

For more technical information, call Leviton at 1-888-4-ACENTI or visit us online at www.leviton.com/acenti

ACENTI DIMMERS & FAN SPEED CONTROL

Like no other dimmer on the market, Acenti™ features efficient construction with a consistent form factor, excellent ergonomic traits and a precision feel. Leviton's unique multifunction clip and alignment plate ensures that the device and wallplate are properly aligned. An exclusive single-opening wallplate design provides a cleaner look without the 'webbing' between devices to disrupt the seamless appearance. Acenti remotes, switches and receptacles are also available.

SPECIFICATIONS & FEATURES

Operation

- Universal design provides quiet, crisp actuation with minimal travel
- Push pad always returns to neutral position regardless of load status
- Minimum brightness can be adjusted to comfortable level
- Dim-lock feature allows lights to turn on to a user-configured level every time
- Soothing blue Locator LED for easy location in the dark

Function

- Digital circuitry provides eye-pleasing soft-on/fade-off and extended lamp life; fade rates are selectable
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- Single-pole (one-location) and 3-way (multi-location) switching with Acenti Remote Units
- Built-in radio/TV interference filter
- Terminal screws (back- and side-wire) on select models ease installation
- Multifunction self-grounding clip snaps onto wallplate and ensures proper device alignment
- On/off air-gap switch completely disconnects power to unit for bulb changes and service

Style

- Subtle, matte finish complements décor
- Molded from engineering-grade polymer for uniformity and flawless color match
- Screwless, snap-on wallplates in matching and coordinating colors
- Aligned and cleaner looking multi-gang applications

TESTING & CODE COMPLIANCE

- Meets all applicable UL, CSA and FCC requirements
- Limited Five-Year Warranty



Acenti Dimmer



*Leviton Exclusive Matching Remote
(Coordinating Remote
also available)*



Box-Mounted Lighting & Fan Speed Controls

Acenti Product Listing



Acenti™ Dimmers

PREMIUM GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Incandescent Acenti Dimmer	X	X	X	aci06-1l	600W, 120VAC 60Hz	ALA, QTZ, NTL, SND, DFT, SLT, ONX*
Magnetic Low-Voltage Acenti Dimmer	X	X	X	acm06-1l	600VA, 120VAC 60Hz	Same as Above
Incandescent/Magnetic Low-Voltage Acenti Dimmer	X	X	X	acm10-1l	1000W/VA, 120VAC 60Hz	Same as Above
Electronic Low-Voltage Acenti Dimmer	X	X	X	ace04-1l	400W, 120VAC 60Hz	Same as Above
Electronic Low-Voltage Acenti Dimmer	X	X	X	ace06-1l	600W, 120VAC 60Hz	Same as Above
Advance Mark 10™ Powerline or Tu-Wire™ Fluorescent Acenti Dimmer	X	X	X	acx10-1l	1000VA, 120VAC 60Hz	Same as Above
Hi-lume® or Eco-10™ (Eco-Series) Fluorescent Acenti Dimmer	X	X	X	ach08-1l	8A-120VAC 60Hz	Same as Above

Acenti™ Fan Speed Control & Remote Units

PREMIUM GRADE

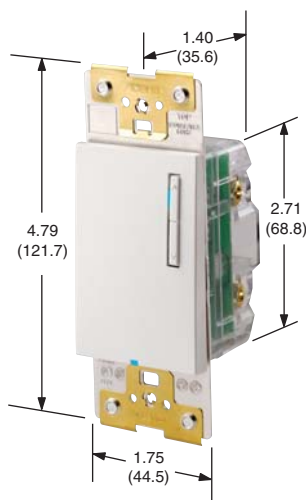
DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Acenti Quiet Fan Speed Control (LED "Brightness Display" displays speed)	X	X	X	acf01-1l	1.5A-120VAC 60Hz	ALA, QTZ, NTL, SND, DFT, SLT, ONX*
Matching Dimmer Remote Unit for Multi-Location Dimming/Fan Speed Controls (for 3-way to 5 location, neutral required)	X	X	—	ac00r-1l	120VAC No load rating	Same as Above
Coordinating Dimmer Remote Unit for Multi-Location Dimming/Fan Speed Controls (for 3-way to 10 locations)			—	ac00r-10	120VAC No load rating	Same as Above

* Add to end of catalog number suffix as follows: Alabaster (-ALA), Quartz (-QTZ), Natural (-NTL), Sand (-SND), Driftwood (-DFT), Slate (-SLT), Onyx (-ONX). Matching wallplates sold separately. ** With Dimmer Remote Unit

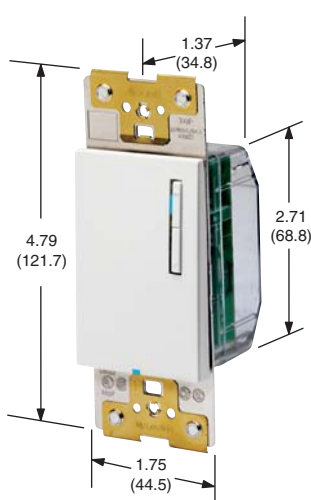
NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A8 through A11 for more application and technical information, including derating charts and wiring diagrams.

CAUTION ON RETROFITS: When retrofitting Mark 10 dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.



ACI06-1L



ACE06-1L

Note: The ACM06-1L, AC00R-1L and AC00R-10 are the same size as the ACI06-1L. The ACM10-1L, ACE04-1L, ACX10-1L, ACH08-1L and ACF01-1L are the same size as the ACE06-1L.

ACENTI SCREWLESS SNAP-ON WALLPLATES

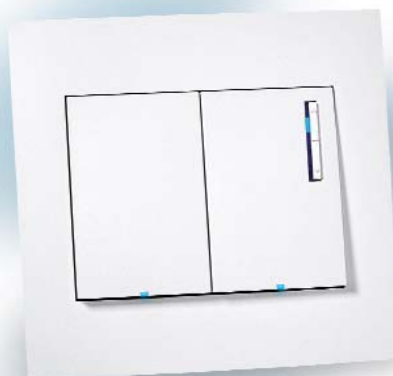
Acenti wallplates are available in a wide variety of premium colors that can be used to match or coordinate with Acenti devices. Acenti wallplates feature a patent-pending alignment system that ensures the device and wallplate are properly aligned. Multi-gang Acenti wallplates have a single-opening design that eliminates the “webbing” between each device frame—for a cleaner, seamless appearance.

SPECIFICATIONS & FEATURES

- Screwless snap-on design provides smooth, clean look exclusively for all Acenti devices
- Available in engineering-grade polymer (for flawless color match) and brushed stainless steel
- Subtle, matte finish complements fine décor
- Alignment plate and positioning pins ensure alignment of devices and wallplates in multi-gang installations
- Single-opening design of multi-gang wallplates means device frames rest side by side, without “webbing” to disrupt clean appearance
- QuickPort® jack and blank wallplate inserts available (see Wallplate chapter for details)
- Custom premium colors available as a special order

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA Standards WD-1, WD-6 (plastic); Meet NEMA and ANSI standards (metal)
- Backed by a Limited Five-Year Warranty



Acenti Wallplates

DESCRIPTION	CAT. NO. PLASTIC	COLOR	PREMIUM GRADE
			CAT. NO. METAL
1-Gang Wallplate	acwp1	ALA, QTZ, NTL, SND, DFT, SLT, ONX*	acwm1-sts**
2-Gang Wallplate	acwp2	Same as Above	acwm2-sts**
3-Gang Wallplate	acwp3	Same as Above	acwm3-sts**
4-Gang Wallplate	acwp4	Same as Above	acwm4-sts**
5-Gang Wallplate	acwp5	Same as Above	acwm5-sts**
6-Gang Wallplate	acwp6	Same as Above	acwm6-sts**
Blank Wallplate Insert	acw14	Same as Above	

* Add to end of catalog number suffix as follows: Alabaster (-ALA), Quartz (-QTZ), Natural (-NTL), Sand (-SND), Driftwood (-DFT), Slate (-SLT), Onyx (-ONX). ** STS denotes stainless steel.

NOTE: for additional information on Acenti wallplates, see Section B.

Box-Mounted Lighting & Fan Speed Controls

Acenti Applications



UNDERSTANDING LEVITON CATALOG NUMBERS

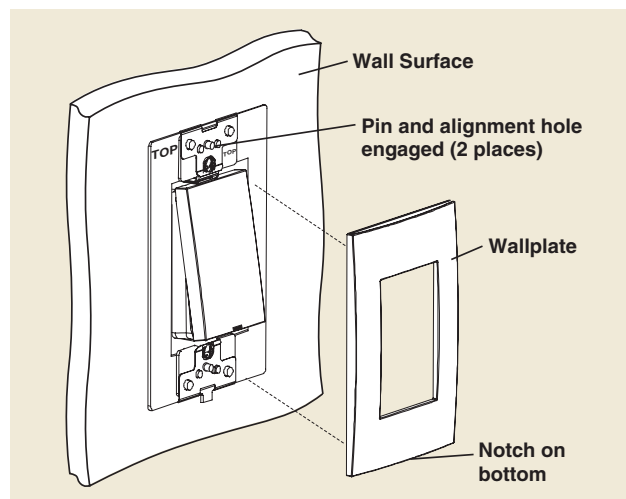
First 2 letters – Product Name	3rd character – Type of Load	4th and 5th characters – Rating or Description	–	6th character – Voltage	7th character	–	Color suffix
AC = Acenti	2 = Duplex Receptacle 3 = Triplex Receptacle I = Incandescent M = Magnetic Low Voltage E = Electronic Low Voltage X = Mark 10™ Powerline H = Hi-lume or Eco-10 F = Fan Speed G = GFCI S = Switch or Surge Receptacle W = Wallplate O = NA	01 = 1.5 Amp 04 = 400W 06 = 600W/VA 08 = 8 Amp 10 = 1000W/VA 15 = 15 Amp 20 = 20 Amp OR = Remote P = Plastic M = Metal SR = Switch Remote or Surge Receptacle	–	1 = 120V 0 = NA	L = Lighted 0 = NA	–	ALA = Alabaster QTZ = Quartz NTL = Natural SND = Sand DFT = Driftwood SLT = Slate ONX = Onyx STS = Stainless Steel

ACENTI ALIGNMENT PLATE

Acenti wallplates feature a unique design with several innovations. They incorporate a unique clipping mechanism that aligns the device and the wallplate, and they are the only wallplate to feature a single opening for multi-gang installations. To accommodate this singular design, every Acenti lighting control must be installed with the Acenti Alignment Plate that is packaged with every Acenti wallplate.

GANGING & DERATING

Acenti straps do not extend on the side, which is very convenient when installing multiple Acenti devices side by side. Although there is no fin removal required in multi-gang Acenti installations, Acenti devices do dissipate some heat and must therefore be derated in accordance with the following charts.



Maximum Load per Acenti Device

CAT. NO.	SINGLE	2-GANG	> 2-GANG
ACE04-1L	400W	350W	250W
ACE06-1L	600W	500W	400W
ACF01-1L	1.5A	1.5A	1.5A
ACH08-1L	8A	8A	8A
ACI06-1L	600W	600W	500W
ACM06-1L	600VA (450W)	600VA (450W)	500VA (375W)
ACM10-1L	1000W/1000VA (800W)	800W/800VA (640W)	650W/ 650VA (520W)
ACX10-1L	1000VA	800VA	650VA

BALLAST LIMITATIONS

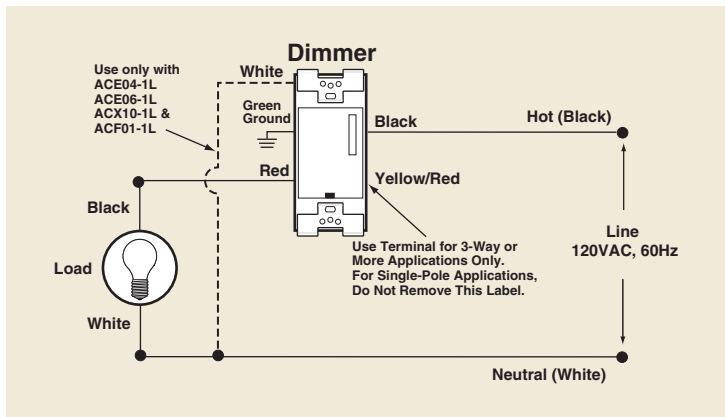
Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 1000VA 120V (ACX10-1LW) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	32	26	22
REZ-1T32	CFM32W/GX24Q	26	21	18
REZ-1T42	CFM42W/GX24Q	20	16	14
REZ-2Q26	CFQ26W/G24Q	17	14	12
REZ-132	F25T8	32	26	22
REZ-2S32	F25T8	17	13	12
REZ-3S32	F25T8	11	9	8
REZ-132	F32T8	28	22	19
REZ-2S32	F32T8	14	11	10
REZ-3S32	F32T8	9	8	7
REZ-1TTS40	FT40W/2G11	25	20	17
REZ-2TTS40	FT40W/2G11	12	10	9

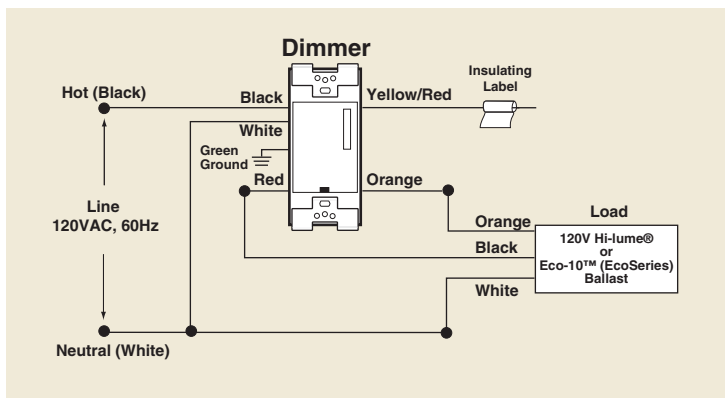
WIRING DIAGRAMS

SINGLE-POLE APPLICATIONS

Single-Location Wiring Application, ACI06-1L, ACM06-1L, ACM10-1L, ACE04-1L, ACE06-1L, ACX10-1L, ACF01-1L



Single-Location Wiring Application, ACH08-1L



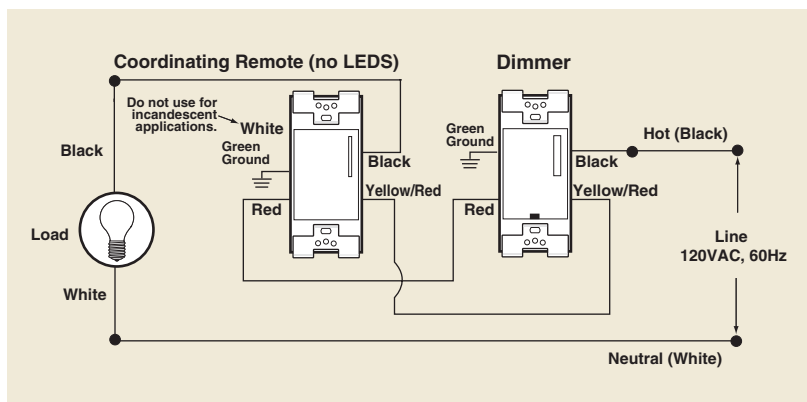
Box-Mounted Lighting & Fan Speed Controls

Acenti Technical Information



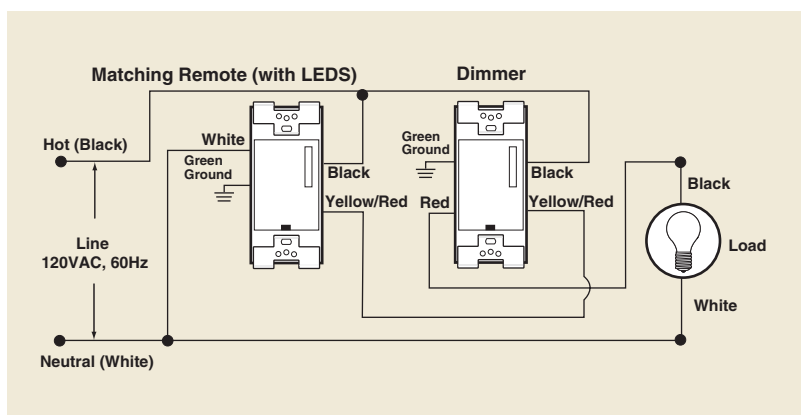
3-WAY APPLICATIONS

Two-Location Wiring Application with COORDINATING Remote, ACI06-1L, ACM06-1L, ACM10-1L

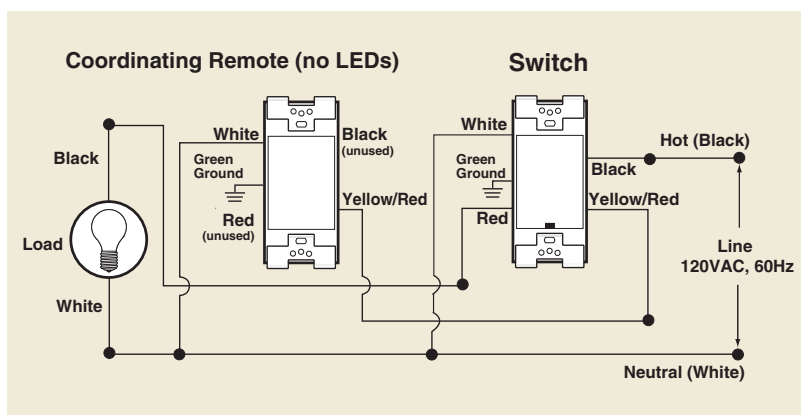


Note: Dimmer can be installed on the line or load side of the 3-way circuit.

Two-Location Wiring Application with MATCHING Remote, ACI06-1L, ACM06-1L, ACM10-1L

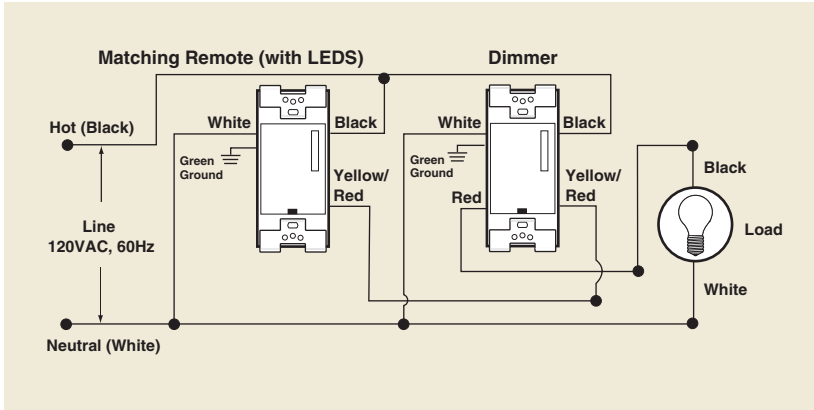


Two-Location Wiring Application with COORDINATING Remote, ACE04-1L, ACE06-1L, ACX10-1L, ACF01-1L, ACS15

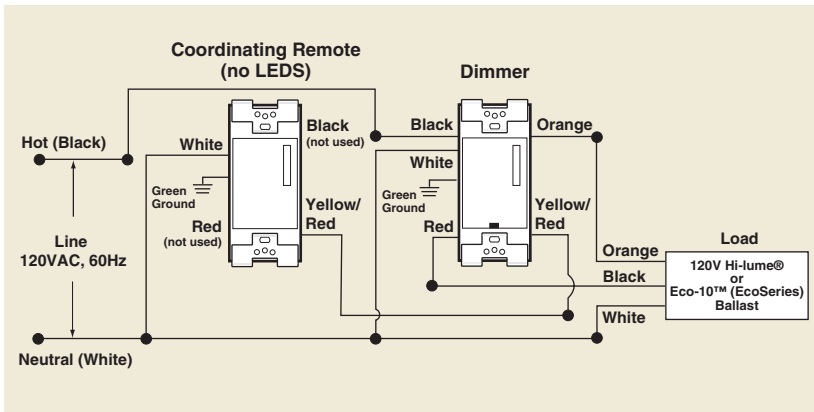


Note: Dimmer can be installed on the line or load side of the 3-way circuit.

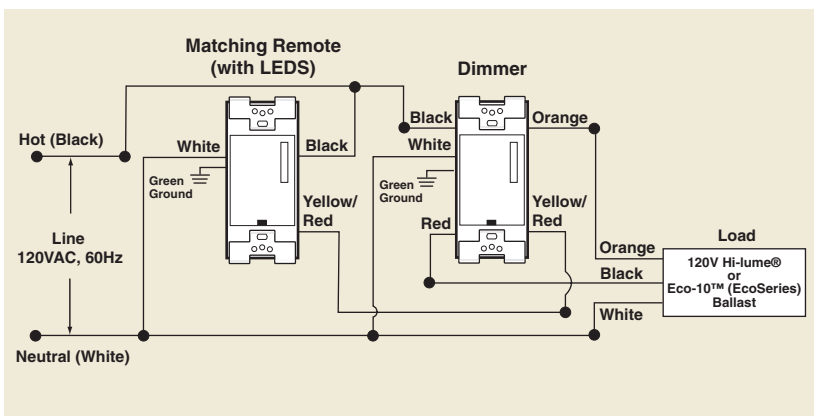
Two-Location Wiring Application with MATCHING Remote, ACE04-1L, ACE06-1L, ACX10-1L, ACF01-1L, ACS15



Two-Location Wiring Application with COORDINATING Remote, ACH08-1L



Two-Location Wiring Application with MATCHING Remote, ACH08-1L



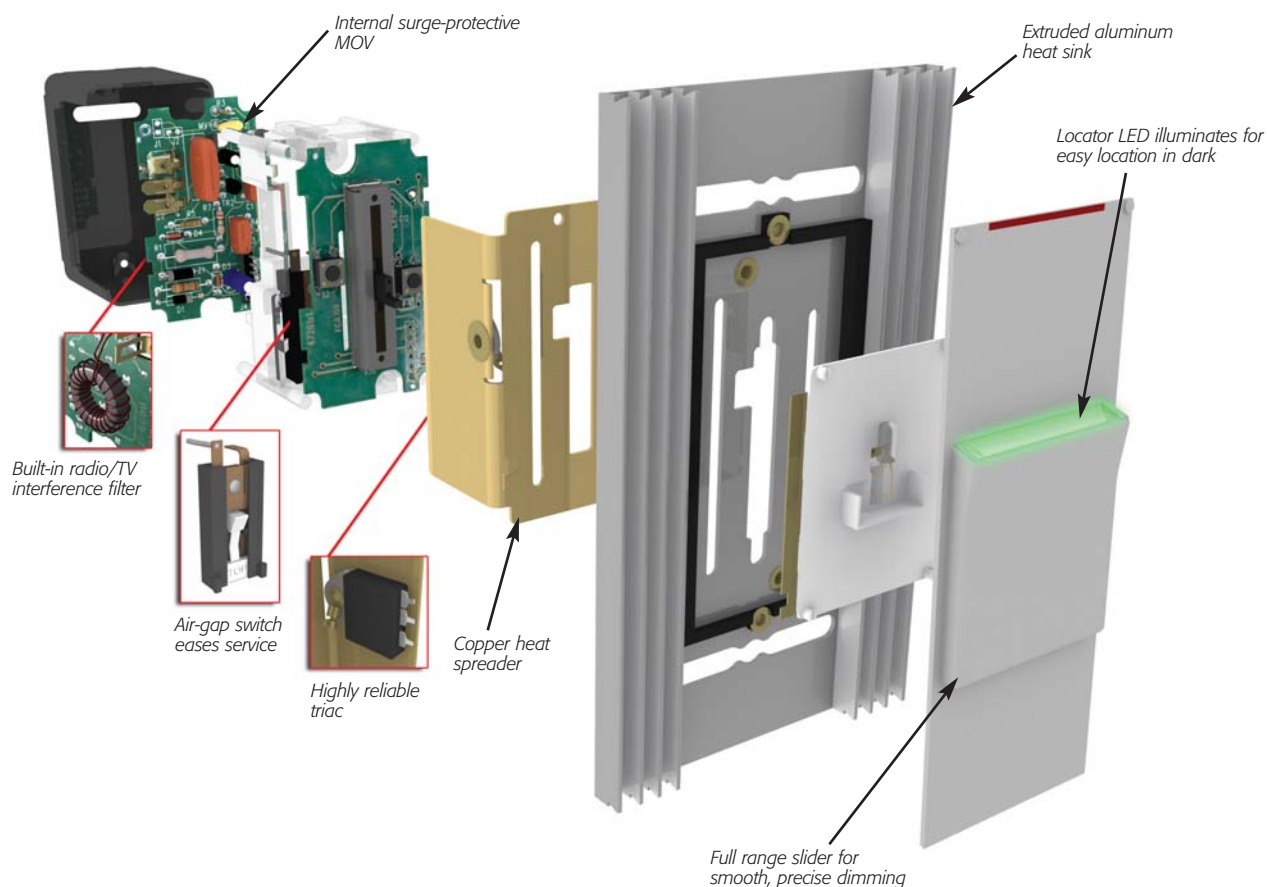
Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Overview



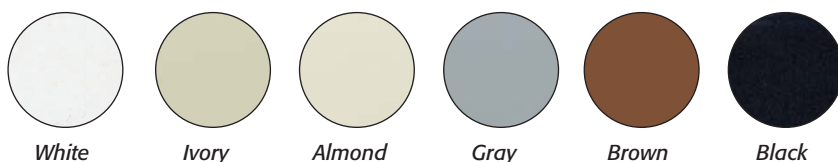
ARCHITECTURAL SPECIFICATION DIMMING & FAN SPEED CONTROLS

Just as the great impressionist painters used light to create timeless beauty, Leviton's Monet®, Renoir®, and Van Gogh® dimmers and fan speed controls accent today's most beautiful interiors. Leviton's premiere line of architectural lighting controls can accommodate high wattage loads and mate with screwless narrow- and wide-fin wallplates—for the ultimate flexibility in design.



- Accommodates high-power loads
- Full-range dimming for both single-pole and multi-location control
- Low profile, designer styling; mates with narrow- and wide-fin screwless wallplates
- Wallplates may be special ordered with custom engraving (See Monet Application section)

Available Colors



Note: Not all models come in all colors. See listings for color availability for specific devices.

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

MONET PRESET DIGITAL SLIDE CONTROLS

Monet®, Leviton's premier slide dimmer, combines high load capability, superior aesthetics, digital circuitry, and a Locator LED. These low-profile architectural specification grade devices come in wide- and narrow-fin configurations and can be ordered with custom-engraved wallplates. The line is an ideal choice for museums, art galleries, and showrooms.

SPECIFICATIONS & FEATURES

Operation

- Smooth, precise, full-range slide-dimming; push for on/off preset
- Digital circuitry provides eye-pleasing soft-on/fade-off and prolonged bulb life
- Soft Locator LED discretely positioned on slider

Function

- Single-pole (one location) and 3-way (multi-location) switching with Monet Remote Unit (most models)
- Uses Square Law Dimming
- Built-in radio/TV interference filter
- Internal MOV for surge protection
- Protected memory during temporary power failures
- Discreet air-gap switch for bulb changes and service

Style

- Easy-to-clean, non-reflective matte finish minimizes shadows
- Screwless, designer Monet wallplates (matte finish) included with most models
- Low-profile architectural fins (even on wide-fin models) for a flush-fit appearance
- Multi-gang wallplates available for combining narrow and wide dimmers, with or without fins removed
- Customized wallplate engraving available (see Pages A23 and A24 to order)
- Small and large sized adapter plates fit Leviton Decora® straps for compatibility with Monet wallplates

NOTE: See the Applications and Technical Information pages at the end of the Architectural Specification section for information on ganging and derating, and ordering information for multi-gang and engraved wallplates.

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



MNI06-1LW



MNI15-1LW

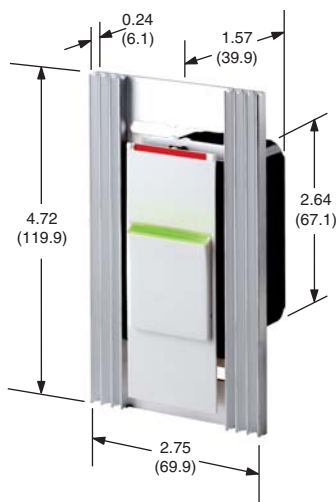


Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Product Listing



MONET • PRODUCT LISTING



MNI06-1LW



MNI15-1LW

MONET PRESET DIGITAL SLIDE DIMMERS & FAN SPEED CONTROLS

Incandescent Dimmers

COMMERCIAL GRADE

DESCRIPTION	LIT	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Incandescent Monet Dimmer	X	X	X	mni06-1lw	600W, 120VAC 60Hz	W* (I, A, G, B, E with kit)
Narrow Fin Incandescent Monet Dimmer		X		mni06-10w	600W, 120VAC 60Hz	W* (I, A, G, E with kit)
Narrow Fin Incandescent Monet Dimmer	X	X	X	mni10-1lw	1000W, 120VAC 60Hz	W* (I, A, G, B, E with kit)
Narrow Fin Incandescent Monet Dimmer		X		mni10-10w	1000W, 120VAC 60Hz	W* (I, A, G, E with kit)
Wide Fin Incandescent Monet Dimmer	X	X	X	mni15-1lw	1500W, 120VAC 60Hz	W* (I, A, G, B, E with kit)

Low-Voltage Dimmers

COMMERCIAL GRADE

DESCRIPTION	LIT	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Electronic Low-Voltage Monet Dimmer	X	X	X	mne04-1lw	400VA (320W), 120VAC 60Hz	W* (I, A, G, B, E with kit)
Narrow Fin Magnetic Low-Voltage Monet Dimmer	X	X	X	mnm06-1lw	600VA (450W), 120VAC 60Hz	W* (I, A, G, B, E with kit)
Narrow Fin Magnetic Low-Voltage Monet Dimmer	X	X	X	mnm10-1lw	1000VA (800W), 120VAC 60Hz	W* (I, A, G, B, E with kit)
Wide Fin Magnetic Low-Voltage Monet Dimmer	X	X	X	mnm15-1lw	1500VA (1200W), 120VAC 60Hz	W* (I, A, G, B, E with kit)

Mark 10™ Powerline Fluorescent Ballast Dimmers

COMMERCIAL GRADE

DESCRIPTION	LIT	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Mark 10 Fluorescent Monet Dimmer	X	X	X	mnx10-1lw	1000VA, 120VAC 60Hz	W* (I, A, G, B, E with kit)
Wide Fin Mark 10 Fluorescent Monet Dimmer	X	X	X	mnx15-1lw	1500VA, 120VAC 60Hz	W* (I, A, G, B, E with kit)
Narrow Fin Mark 10 Fluorescent Monet Dimmer (277V)	X	X	X	mnx20-7lw	2000VA, 277VAC 60Hz	W* (I, A, G, B, E with kit)
Wide Fin Mark 10 Fluorescent Monet Dimmer (277V)	X	X	X	mnx30-7lw	3000VA, 277VAC 60Hz	W* (I, A, G, B, E with kit)

Fan Speed Controls

COMMERCIAL GRADE

DESCRIPTION	LIT	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Monet Fan Speed Control	X	X	X	mnf07-1lw	7.5A, 120VAC 60Hz	W* (I, A, G, B, E with kit)
Wide Fin Monet Fan Speed Control	X	X	X	mnf10-1lw	10A, 120VAC 60Hz	W* (I, A, G, B, E with kit)

* Basic catalog number denotes White. For other colors order Color Change Kits. Matching wallplates included.

** 3-way with MNO0R Remote Switching Unit.

Monet Switches

DESCRIPTION	LIT	SP	#-WAY	CAT. NO.	RATING	COLOR
Narrow Fin Monet Rocker Switch with screw terminals	X	X		mns20-1l	20A, 120VAC	W, I, A, G, E
Narrow Fin Monet Rocker Switch with screw terminals			3	mns20-d3	20A, 120/277VAC	W, I, A, G, E
Narrow Fin Monet Rocker Switch with screw terminals			4	mns20-d4	20A, 120/277VAC	W, I, A, G, E

Monet Accessories

DESCRIPTION	CAT. NO.	RATING	COLOR
Remote Switching Unit for 3-way Monet applications	mn00r-d0w	No load rating, use with Monet dimmers only	W* (I, A, G, E with kit)
Color Change Kit for lighted, narrow fin Monet controls	mnkit-sl	—	W, I, A, G, B, E***
Color Change Kit for lighted, wide fin Monet controls	mnkit-1l	—	W, I, A, G, B, E***
Color Change Kit for Unlighted Monet controls	mnkit-s0	—	W, I, A, G, E***
Color Change Kit for MN00R-D0W Remote Switching Unit	mnk0r-00	—	W, I, A, G, E***
Narrow Fin Adapter Plate: allows any Decora strap-mount device to be ganged with Narrow Fin Monet controls	mn0sa-000	—	Metallic Silver
Wide Fin Adapter Plate: allows any Decora strap-mount device to be ganged with Wide Fin Monet controls	mn0la-000	—	Metallic Silver

* Basic catalog number denotes White. For other colors order Color Change Kits. Matching wallplates included.

** 3-way with MN00R Remote Switching Unit.

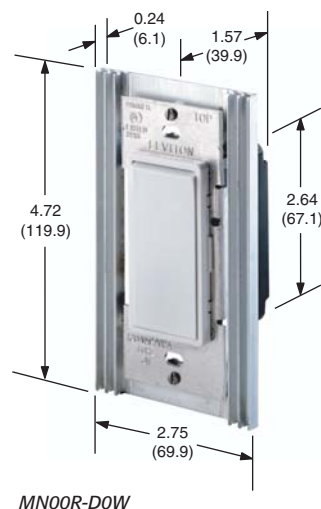
*** Add to end of catalog number suffix as follows: White (W), Ivory (I), Almond (A), Gray (G), Brown (B), and Black (E). Wallplates included.

NOTE: Multi-gang wallplates are available for combining narrow and wide dimmers, with or without fins removed. Refer to the Architectural Specification Applications section for ordering information.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A20 through A27 for more application and technical information, including derating charts and wiring diagrams.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.



Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Product Listing



RENOIR • PRODUCT LISTING



81000-W



81527-W

RENOIR PRESET SLIDE LIGHTING CONTROLS

Renoir® is Leviton's rugged, full-range architectural lighting control line designed for a wide variety of commercial applications including high wattage applications. Renoir lighting controls feature a classic architectural fin design with screwless snap-on wallplates. They are available in illuminated and non-illuminated versions.

SPECIFICATIONS & FEATURES

Operation/Function

- Smooth-action, linear slide control for easy, precise operation
- On/off rocker switch turns lights on at last selected brightness level
- Available in single-pole (one location) and 3-way (multi-location) versions; 3-way dimmer is used with standard 3-way on/off switch
- Illuminated versions available (incandescent only)
- Large radio/TV interference filter
- Manual low-end trim adjustment on fan speed controls allows precise adjustment of low-end fan settings when installing device

Style

- Slim, compact housing easily fits in standard wallboxes
- Decora styling coordinates with Leviton's extensive line of Decora devices
- Come with Decora-style screwless snap-on wallplates
- Fins are easily removed for multi-gang applications

NOTE: See the Applications and Technical Information pages at the end of the Architectural Specification section for information on ganging and derating.

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

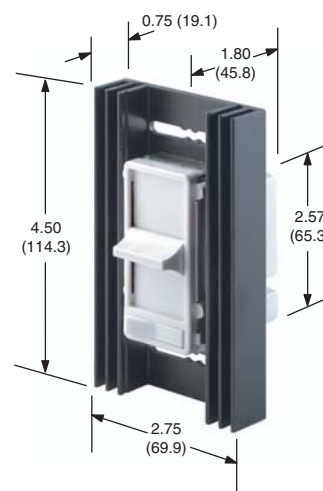


RENOIR PRESET SLIDE DIMMERS & FAN SPEED CONTROLS

Incandescent Dimmers

COMMERCIAL GRADE

DESCRIPTION	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Renoir Dimmer	X		80800	800W, 120VAC 60Hz	W, I, GY, B*
Narrow Fin Renoir Dimmer		X	80800-3	800W, 120VAC 60Hz	W, I, GY, B*
Narrow Fin Renoir Dimmer	X		81000	1000W, 120VAC 60Hz	W, I, A, GY, B*
Illuminated Narrow Fin Renoir Dimmer	X		81000-I	1000W, 120VAC 60Hz	W, I*
Narrow Fin Renoir Dimmer		X	81000-3	1000W, 120VAC 60Hz	W, I, A, GY, B*
Illuminated Narrow Fin Renoir Dimmer		X	81000-I3	1000W, 120VAC 60Hz	W, I*
Wide Fin Renoir Dimmer	X		81500	1500W, 120VAC 60Hz	W, I, A, GY, B*
Wide Fin Renoir Dimmer		X	81500-3	1500W, 120VAC 60Hz	W, I, A, GY, B*
Wide Fin Renoir Dimmer	X		82000	2000W, 120VAC 60Hz	W, I, A, GY, B*
Illuminated Wide Fin Renoir Dimmer	X		82000-I	2000W, 120VAC 60Hz	W, I*
Wide Fin Renoir Dimmer		X	82000-3	2000W, 120VAC 60Hz	W, I, A, GY*
Illuminated Wide Fin Renoir Dimmer		X	82000-I3	2000W, 120VAC 60Hz	W, I*



81000-W



82000-W

Magnetic Low Voltage Dimmers

COMMERCIAL GRADE

DESCRIPTION	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Renoir Dimmer	X		71111	1000VA (800W), 120VAC 60Hz	W, I, GY, B*
Narrow Fin Renoir Dimmer		X	71113	1000VA (800W), 120VAC 60Hz	W, I, B*
Wide Fin Renoir Dimmer	X		71511	1500VA (1200W), 120VAC 60Hz	W, I*
Wide Fin Renoir Dimmer		X	71513	1500VA, (1200W), 120VAC 60Hz	I*

Fluorescent Dimmers for Advance Mark 10 Powerline

COMMERCIAL GRADE

DESCRIPTION	SP	3-WAY**	CAT. NO.	RATING	COLOR
Wide Fin Renoir Dimmer	X	X	26666-31	1200VA, 120VAC 60Hz	W, I*
Wide Fin Renoir Dimmer	X	X	26666-37	1200VA, 277VAC 60Hz	W, I*

Fan Speed Controls

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-pole Narrow Fin Renoir Fan Speed Control	80827	7.5 Amps, 120VAC 60Hz	W, I*
Single-pole Wide Fin Renoir Fan Speed Control	81127	10 Amps, 120VAC 60Hz	W, I*
Single-pole Wide Fin Renoir Fan Speed Control	81527	15 Amps, 120VAC 60Hz	W, I*

*Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Gray (-GY), Brown (-B).

Matching wallplate included.

** 3-way with 3-way switch.

NOTE: See Pages A20 through A27 for more application and technical information, including derating charts and wiring diagrams.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Product Listing



VAN GOGH • PRODUCT LISTING



60800-W



62000-W

VAN GOGH ROTARY CONTROLS

Van Gogh®, Leviton's architectural yet classic rotary dimmer, is a popular choice for a wide variety of commercial applications including high wattage applications. This rugged, full-range dimmer is designed for high-power incandescent loads and comes in three different wallplate/knob combinations to coordinate with myriad room decors and color palettes.

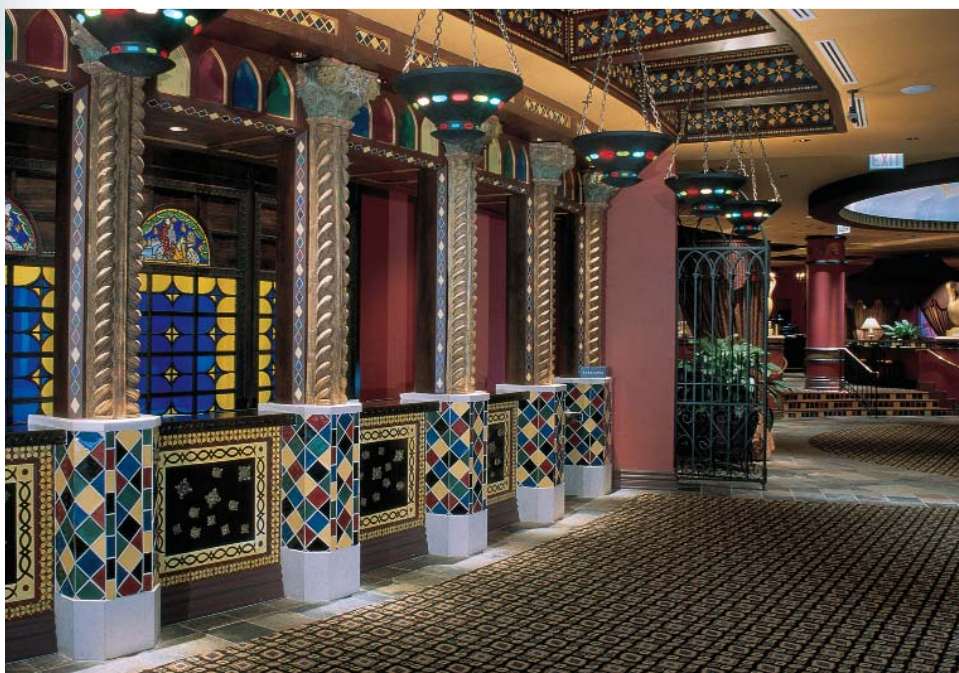
SPECIFICATIONS & FEATURES

- Architectural-style yet classic incandescent rotary dimmer
- Available in rotary on/off (single pole only) and push-on/push-off (single-pole and 3-way); 3-way version is used with a standard 3-way on/off switch
- Large radio/TV interference filter
- Slim, compact housing fits easily in standard wallbox
- Color-matched dimmer control knob with gold insert
- Snap-on wallplate included; conceals heat fins
- Snap-off fins permit easy ganging with other devices

NOTE: See the Applications and Technical Information pages at the end of the Architectural Specification section for information on ganging and derating.

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



VAN GOGH ROTARY DIMMERS & FAN SPEED CONTROLS

Incandescent Dimmers

COMMERCIAL GRADE

DESCRIPTION	PUSH ON/OFF	SP	3-WAY**	CAT. NO.	RATING	COLOR
Narrow Fin Van Gogh Dimmer		X		60800	800W, 120VAC 60Hz	B, W, I*
Narrow Fin Van Gogh Dimmer	X		X	60800-3	800W, 120VAC 60Hz	B, W, I*
Narrow Fin Van Gogh Dimmer		X		61000	1000W, 120VAC 60Hz	B, W, I*
Narrow Fin Van Gogh Dimmer	X		X	61000-3	1000W, 120VAC 60Hz	B, W, I*
Wide Fin Van Gogh Dimmer		X		61500	1500W, 120VAC 60Hz	W, I***
Wide Fin Van Gogh Dimmer		X		62000	2000W, 120VAC 60Hz	W, I***



61000-W

Fan Speed Controls

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-pole Wide Fin Van Gogh Fan Speed Control	61027	10A, 120VAC 60Hz	W, I***

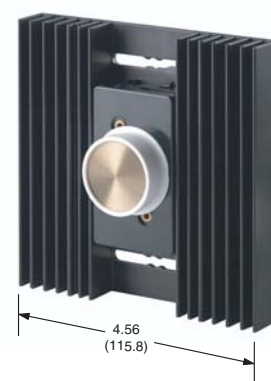
* Basic catalog number denotes brown (B). Add suffix to basic catalog number as follows: White knob with Silver insert (-W), Ivory knob with Gold insert (-I). Matching wallplates included.

** 3-way with 3-way switch.

*** Add suffix to basic catalog number as follows: White knob with Silver insert (-W), Ivory knob with Gold insert (-I). Matching wallplates included.

Color Change Kits

DESCRIPTION	FOR NARROW FIN DIMMERS	FOR WIDE FIN DIMMERS
	CAT. NO.	CAT. NO.
Brown Wallplate and Matching Knob with Gold Insert	60001	60002
Ivory Wallplate and Matching Knob with Gold Insert	60001-i	60002-i
White Wallplate and Matching Knob with Silver Insert	60001-w	60002-w



62000-W

NOTE: See Pages A20 through A27 for more application and technical information, including derating charts and wiring diagrams.



VAN GOGH • PRODUCT LISTING

Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Applications



UNDERSTANDING LEVITON CATALOG NUMBERS

First 2 letters – Product Name*	3rd character – Type of Load*	4th and 5th characters – Rating or Description*	–	1st suffix character – Voltage	2nd suffix character	3rd suffix character – Color
MN = Monet	I = Incandescent E = Electronic Low Voltage M = Magnetic Low Voltage X = Mark 10™ Powerline F = Fan Speed S = Switch 7 = Mark 7™ 0–10V 0 = NA	04 = 400W/VA 06 = 600W/VA 07 = 7.5 Amp 10 = 1000W/VA or 10 Amp 15 = 1500W/VA 20 = 2000W/VA or 20 Amp 30 = 3000W/VA OR = Remote SA = Small Adapter (narrow fin) LA = Large Adapter (wide fin)		1 = 120V 7 = 277V D = Dual Voltage 0 = NA	L = Lighted 3 = 3-Way 4 = 4-Way 0 = NA	W = White I = Ivory A = Almond G = Gray (or GY) B = Brown E = Black (ebony)

* Monet controls use this naming convention in its entirety. Renoir and Van Gogh lighting controls use only the suffix convention.

GANGING & DERATING

Multi-gang wallplates are available for every permissible combination of small fin and large fin dimmers. The Wallbox Requirements tables on the following pages can be used to determine how many boxes are required for the application.

- When small and large fin devices are combined, all the large fin devices must be placed to one side and all the small fin devices must be placed to the other side.
- In an installation where all the fins are broken off, do not remove the fins from the dimmers at each of the extreme ends of the installation.

Multi-Gang Installation

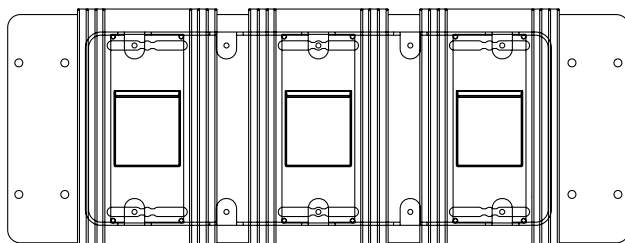
- Install dimmers whenever possible without breaking off fins so that derating is not necessary—even when ganging. If an installation requires fins to be broken off for space requirements, derating is required.
- When ganging combinations of narrow and wide dimmers or when ordering a custom wallplate, keep in mind that narrow dimmers must be grouped together at one end of the gang and all wide dimmers at the other end of the gang.
- Use adapter plates (Cat. No. MNOLA or MNOSA) to enable use of ANY Decora® device in a Monet multi-gang installation.

CAUTION: Do not gang dimmers vertically, one directly above another.

No Fins Broken Off

A multi-gang masonry box or a multi-gang switch box with a raised cover is recommended for easy installation, although standard outlet boxes will work. No derating is necessary. See the Wallbox Requirements tables that follow for the size and number of outlet boxes required for multi-gang installations.

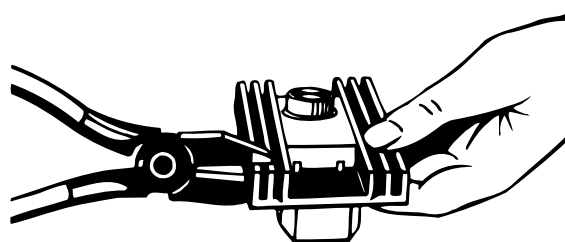
Example of 5-gang outlet box with 3 narrow dimmers and no wide dimmers (note mounting holes)



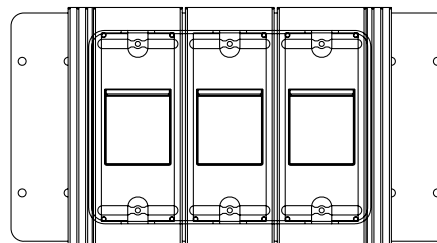
Fins Broken Off

The fins on the dimmers have special break-off points that allow removal of partial fin sections for ganging. Use pliers to carefully bend fin sides back and forth until they break off. These sections should only be removed at the break-off point to permit proper ventilation. DO NOT remove side sections on extreme ends of the gang. See the tables that follow for the size and number of outlet boxes required for multi-gang installations when all inside fins are removed.

Fin Removal Procedure



Example of 3-gang outlet box with 3 narrow dimmers and no wide dimmers (note mounting holes)



MONET® LIGHTING CONTROLS

Wallbox Requirements for Monet Installations (with NO Fins Broken Off)

WALLPLATE CAT. NO.	NUMBER OF NARROW FIN/WIDE FIN CONTROLS	WALLBOX REQUIREMENTS
MNW10-00	1 Narrow	1-Gang
MNW20-00	2 Narrow	3-Gang
MNW30-00	3 Narrow	5-Gang
MNW40-00	4 Narrow	6-Gang
MNW50-00	5 Narrow	9-Gang
MNW60-00	6 Narrow	10-Gang
MNW01-00	1 Wide	1-Gang
MNW02-00	2 Wide	4-Gang
MNW03-00	3 Wide	7-Gang
MNW04-00	4 Wide	9-Gang
MNW11-00	1 Narrow/1 Wide	4-Gang
MNW21-00	2 Narrow/1 Wide	5-Gang
MNW31-00	3 Narrow/1 Wide	7-Gang
MNW41-00	4 Narrow/1 Wide	8-Gang
MNW51-00	5 Narrow/1 Wide	10-Gang
MNW12-00	1 Narrow/2 Wide	6-Gang
MNW22-00	2 Narrow/2 Wide	8-Gang
MNW32-00	3 Narrow/2 Wide	9-Gang
MNW13-00	1 Narrow/3 Wide	9-Gang
MNW23-00	2 Narrow/3 Wide	10-Gang

Wallbox Requirements for Monet Installations (with Fins Broken Off)

WALLPLATE CAT. NO.	NUMBER OF NARROW FIN/WIDE FIN CONTROLS	WALLBOX REQUIREMENTS
MNW20-FB	2 Narrow	2-Gang
MNW30-FB	3 Narrow	3-Gang
MNW40-FB	4 Narrow	4-Gang
MNW50-FB	5 Narrow	5-Gang
MNW60-FB	6 Narrow	6-Gang
MNW70-FB	7 Narrow	7-Gang
MNW80-FB	8 Narrow	8-Gang
MNW90-FB	9 Narrow	9-Gang
MNW02-FB	2 Wide	3-Gang
MNW03-FB	3 Wide	5-Gang
MNW04-FB	4 Wide	7-Gang
MNW05-FB	5 Wide	9-Gang
MNW11-FB	1 Narrow/1 Wide	3-Gang
MNW21-FB	2 Narrow/1 Wide	4-Gang
MNW31-FB	3 Narrow/1 Wide	5-Gang
MNW41-FB	4 Narrow/1 Wide	6-Gang
MNW51-FB	5 Narrow/1 Wide	7-Gang
MNW61-FB	6 Narrow/1 Wide	8-Gang
MNW71-FB	7 Narrow/1 Wide	9-Gang
MNW81-FB	8 Narrow/1 Wide	10-Gang
MNW12-FB	1 Narrow/2 Wide	5-Gang
MNW22-FB	2 Narrow/2 Wide	6-Gang
MNW32-FB	3 Narrow/2 Wide	7-Gang
MNW42-FB	4 Narrow/2 Wide	8-Gang
MNW52-FB	5 Narrow/2 Wide	9-Gang
MNW62-FB	6 Narrow/2 Wide	10-Gang
MNW13-FB	1 Narrow/3 Wide	7-Gang
MNW23-FB	2 Narrow/3 Wide	8-Gang
MNW33-FB	3 Narrow/3 Wide	9-Gang
MNW43-FB	4 Narrow/3 Wide	10-Gang
MNW14-FB	1 Narrow/4 Wide	9-Gang
MNW24-FB	2 Narrow/4 Wide	10-Gang

Maximum Load per Monet Dimmer (with Fins Broken Off)

CAT. NO.	SINGLE	2-GANG	> 2-GANG
MNE04	400VA (320W)	300VA (240W)	250VA (200W)
MNF07	7.5A	6A	5.3A
MNF10	10A	8A	7A
MNI06	600W	500W	400W
MNI10	1000W	800W	700W
MNI15	1500W	1250W	1000W
MNM06	600VA (450W)	500VA (375W)	400VA (300W)
MNM10	1000VA (800W)	800VA (640W)	700VA (560W)
MNM15	1500VA (1200W)	1250VA (1000W)	1000VA (800W)
MNX10	1000VA (980W)	800VA (784W)	700VA (686W)
MNX15	1500VA (1470W)	1250VA (1225W)	1000VA (980W)
MNX20-7	2000VA (1960W)	1600VA (1568W)	1400VA (1372W)
MNX30-7	3000VA (2940W)	2500VA (2450W)	2000VA (1960W)

Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Applications



RENOIR® AND VAN GOGH® LIGHTING CONTROLS

Wallbox Requirements for Renoir/Van Gogh Installations (with NO Fins Broken Off)

NO. NARROW/WIDE FIN CONTROLS	WALLBOX REQUIREMENTS	NO. NARROW/WIDE FIN CONTROLS	WALLBOX REQUIREMENTS
0 Narrow/1 Wide	1-Gang	3 Narrow/1 Wide	7-Gang
0 Narrow/2 Wide	4-Gang	3 Narrow/2 Wide	9-Gang
0 Narrow/3 Wide	7-Gang	3 Narrow/3 Wide	11-Gang
0 Narrow/4 Wide	9-Gang	3 Narrow/4 Wide	14-Gang
1 Narrow/1 Wide	3-Gang	4 Narrow/1 Wide	8-Gang
1 Narrow/2 Wide	6-Gang	4 Narrow/2 Wide	11-Gang
1 Narrow/3 Wide	9-Gang	4 Narrow/3 Wide	13-Gang
1 Narrow/4 Wide	11-Gang	4 Narrow/4 Wide	16-Gang
2 Narrow/1 Wide	5-Gang		
2 Narrow/2 Wide	7-Gang		
2 Narrow/3 Wide	10-Gang		
2 Narrow/4 Wide	12-Gang		

Wallbox Requirements for Renoir/Van Gogh Installations (with Fins Broken Off)

NO. OF FIN CONTROLS	WALLBOX REQUIREMENTS	NO. OF FIN CONTROLS	WALLBOX REQUIREMENTS
0 Narrow/1 Wide	1-Gang	4 Narrow/0 Wide	4-Gang
0 Narrow/2 Wide	3-Gang	4 Narrow/1 Wide	6-Gang
0 Narrow/3 Wide	5-Gang	4 Narrow/2 Wide	8-Gang
0 Narrow/4 Wide	7-Gang	4 Narrow/3 Wide	10-Gang
0 Narrow/5 Wide	9-Gang	4 Narrow/4 Wide	12-Gang
0 Narrow/6 Wide	11-Gang	4 Narrow/5 Wide	14-Gang
1 Narrow/0 Wide	1-Gang	4 Narrow/6 Wide	16-Gang
1 Narrow/1 Wide	3-Gang	5 Narrow/0 Wide	5-Gang
1 Narrow/2 Wide	5-Gang	5 Narrow/1 Wide	7-Gang
1 Narrow/3 Wide	7-Gang	5 Narrow/2 Wide	9-Gang
1 Narrow/4 Wide	9-Gang	5 Narrow/3 Wide	11-Gang
1 Narrow/5 Wide	11-Gang	5 Narrow/4 Wide	13-Gang
1 Narrow/6 Wide	13-Gang	5 Narrow/5 Wide	15-Gang
2 Narrow/0 Wide	2-Gang	5 Narrow/6 Wide	17-Gang
2 Narrow/1 Wide	4-Gang	6 Narrow/0 Wide	6-Gang
2 Narrow/2 Wide	6-Gang	6 Narrow/1 Wide	8-Gang
2 Narrow/3 Wide	8-Gang	6 Narrow/2 Wide	10-Gang
2 Narrow/4 Wide	10-Gang	6 Narrow/3 Wide	12-Gang
2 Narrow/5 Wide	12-Gang	6 Narrow/4 Wide	14-Gang
2 Narrow/6 Wide	14-Gang	6 Narrow/5 Wide	16-Gang
3 Narrow/0 Wide	3-Gang	6 Narrow/6 Wide	18-Gang
3 Narrow/1 Wide	5-Gang		
3 Narrow/2 Wide	7-Gang		
3 Narrow/3 Wide	9-Gang		
3 Narrow/4 Wide	11-Gang		
3 Narrow/5 Wide	13-Gang		
3 Narrow/6 Wide	15-Gang		

Maximum Load per Renoir/Van Gogh Dimmers (with Fins Broken Off)

	SINGLE	2-GANG	> 2-GANG
26666-31	1200VA	1100VA	1050VA
26666-37	1200VA	1200VA	1200VA
60800	800W	700W	600W
61000	1000W	800W	700W
61500	1500W	1300W	1100W
62000	2000W	1800W	1500W
71111/3	1000VA (800W)	800VA (800W)	700VA (640W)
71511/3	1500VA (1200W)	1300VA (1200W)	1100VA (1040W)
80800	800W	700W	600W
81000	1000W	800W	700W
81500	1500W	1300W	1000W
82000	2000W	1800W	1500W

CUSTOM-ENGRAVED MONET WALLPLATES

HOW TO FILL OUT MONET WALLPLATE CUSTOM ENGRAVING ORDER FORM

STEP 1 Fill in customer information: account number, bill-to, and ship-to.

STEP 2 Determine catalog number for Monet multi-gang wallplate: Monet multi-gang wallplates are available for every combination of small fin and large fin Monet devices as indicated by the tables listed within the guidelines on the previous page(s). The information within these guidelines must be used to determine the correct catalog number for every customized Monet wallplate. Enter the catalog number in the space on the order form marked "WALLPLATE CAT. NO." If small fin and large fin devices are combined, check the appropriate space for ORIENTATION as required.

STEP 3 Indicate Quantity of Wallplates: Enter quantity in the space on the order form marked "QTY."

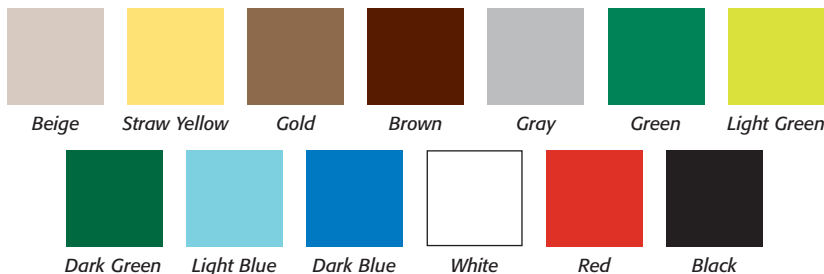
STEP 4 Indicate Wallplate Color: Check the box next to the desired color.

STEP 5 Enter Font Selection Information: Check the boxes next to ENGRAVING FONT, FONT SIZE, and FONT CASE for your selections. Note that lower case type is not available in Futura.

Font Type:	10 Point	12 Point	24 Point	36 Point
Helvetica	Ee	Ee	Ee	Ee
Helvetica Condensed	Ee	Ee	Ee	Ee
FUTURA (UPPER CASE ONLY)	E	E	E	E
Cursive	Ee	Ee	Ee	Ee

STEP 6 Enter Positioning Information: You must indicate where you want the engraving to appear on the wallplate. Choose between centered in engraving area or flush left (FONT ALIGNMENT) AND between the top or bottom of the Monet device area (ENGRAVING POSITION).

STEP 7 Specify Filler Color: Check the box next to the desired filler color.



NOTE: This is a print representation of the available filler colors. For a more accurate color match, contact your Leviton representative for a Monet Custom Engraving Color Sample Chart.

STEP 8 Enter Engraving Message: Clearly print the message(s) you wish to appear in the appropriate grid box(es). If you've selected a type font that permits upper and lower case lettering, enter the message using capital letters where desired. Note that if a two-line message is required, the largest permissible size is 24-point type.

STEP 9 Specify Customized Logo Engraving: Monet wallplates can be engraved with your customized logo. Indicate an "X" on wallplate illustration where the customized logo should be engraved. Also indicate the approximate size of the logo and select a filler color. Electronic data file or camera-ready art must be provided. See your Leviton representative for more information about the requirements for customized logo engraving.

Box-Mounted Lighting & Fan Speed Controls

Architectural Specification Applications



CUSTOM-ENGRAVED MONET WALLPLATES

MONET WALLPLATE CUSTOM ENGRAVING ORDER FORM

Account No. _____

BILL TO: _____

SHIP TO: _____

WALLPLATE CAT. NO. _____

QTY. _____

ORIENTATION: ☐ Narrow-Fin Devices Flush Right ☐ Narrow-Fin Devices Flush Left ☐ Not Applicable
(For Narrow Fin/Large Fin Combination)

WALLPLATE COLOR: ☐ Ivory ☐ White ☐ Almond ☐ Gray ☐ Black ☐ Brown

ENGRAVING FONT: ☐ Helvetica ☐ Helvetica Condensed ☐ Futura ☐ Cursive

FONT SIZE: ☐ 10 Point ☐ 12 Point ☐ 24 Point ☐ 36 Point

FONT CASE: ☐ ALL CAPS ☐ First Letter Caps Only (Not available in Futura)

FONT ALIGNMENT: ☐ Centered ☐ Flush Left

ENGRAVING POSITION: ☐ Top ☐ Bottom

FILLER COLOR: ☐ Beige ☐ Straw Yellow ☐ Gold ☐ Brown ☐ Gray ☐ Green
☐ Light Green ☐ Dark Green ☐ Light Blue ☐ Dark Blue ☐ White ☐ Red
☐ Black

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

ENGRAVING MESSAGE (Please print message for each corresponding gang number, using all caps or first letter caps if applicable).

(1)	(6)
(2)	(7)
(3)	(8)
(4)	(9)
(5)	

DESCRIPTION (Use this space for additional information that may be helpful). _____

CUSTOMIZED LOGO ENGRAVING

Logo Size: _____ Fill Color: _____ (Select your fill color from the list of colors midway down this form.) Indicate with an "X" on wallplate illustration where the customized logo should be engraved.

NOTES ON INSTALLATION

When retrofitting Mark 10® *Powerline* dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

BALLAST LIMITATIONS

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 1000VA 120V (MN10-1L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	32	26	22
REZ-1T32	CFM32W/GX24Q	26	21	18
REZ-1T42	CFM42W/GX24Q	20	16	14
REZ-2Q26	CFQ26W/G24Q	17	14	12
REZ-132	F25T8	32	26	22
REZ-2S32	F25T8	17	13	12
REZ-3S32	F25T8	11	9	8
REZ-132	F32T8	28	22	19
REZ-2S32	F32T8	14	11	10
REZ-3S32	F32T8	9	8	7
REZ-1TTS40	FT40W/2G11	25	20	17
REZ-2TTS40	FT40W/2G11	12	10	9

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 1500VA 120V (MN15-1L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	48	40	32
REZ-1T32	CFM32W/GX24Q	39	33	26
REZ-1T42	CFM42W/GX24Q	30	25	20
REZ-2Q26	CFQ26W/G24Q	26	22	17
REZ-132	F25T8	48	40	32
REZ-2S32	F25T8	25	21	17
REZ-3S32	F25T8	17	14	11
REZ-132	F32T8	42	35	28
REZ-2S32	F32T8	21	17	14
REZ-3S32	F32T8	14	12	9
REZ-1TTS40	FT40W/2G11	37	31	25
REZ-2TTS40	FT40W/2G11	18	15	12

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 2000VA 277V (MN20-7L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
VEZ-1T32	CFM26W/GX24Q	66	53	46
VEZ-1T32	CFM32W/GX24Q	52	41	36
VEZ-1T42	CFM42W/GX24Q	40	32	28
VEZ-2Q26	CFQ26W/G24Q	34	28	24
VEZ-132	F25T8	66	53	46
VEZ-2S32	F25T8	33	26	23
VEZ-3S32	F25T8	23	18	16
VEZ-132	F32T8	56	44	39
VEZ-2S32	F32T8	28	22	19
VEZ-3S32	F32T8	19	15	13
VEZ-1TTS40	FT40W/2G11	48	39	34
VEZ-2TTS40	FT40W/2G11	24	19	17

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 3000VA 277V (MN30-7L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
VEZ-1T32	CFM26W/GX24Q	98	82	66
VEZ-1T32	CFM32W/GX24Q	77	64	52
VEZ-1T42	CFM42W/GX24Q	60	50	40
VEZ-2Q26	CFQ26W/G24Q	52	43	34
VEZ-132	F25T8	98	82	66
VEZ-2S32	F25T8	49	41	33
VEZ-3S32	F25T8	34	28	23
VEZ-132	F32T8	83	69	56
VEZ-2S32	F32T8	42	35	28
VEZ-3S32	F32T8	29	24	19
VEZ-1TTS40	FT40W/2G11	72	60	48
VEZ-2TTS40	FT40W/2G11	36	30	24

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 1200VA 120V (26666-31) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	38	35	34
REZ-1T32	CFM32W/GX24Q	31	29	27
REZ-1T42	CFM42W/GX24Q	24	22	21
REZ-2Q26	CFQ26W/G24Q	21	19	18
REZ-132	F25T8	38	35	34
REZ-2S32	F25T8	20	18	18
REZ-3S32	F25T8	14	12	12
REZ-132	F32T8	33	31	29
REZ-2S32	F32T8	17	15	15
REZ-3S32	F32T8	11	10	10
REZ-1TTS40	FT40W/2G11	29	27	26
REZ-2TTS40	FT40W/2G11	15	13	13

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 1200VA 277V (26666-37) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	39	39	39
REZ-1T32	CFM32W/GX24Q	31	31	31
REZ-1T42	CFM42W/GX24Q	24	24	24
REZ-2Q26	CFQ26W/G24Q	21	21	21
REZ-132	F25T8	39	39	39
REZ-2S32	F25T8	20	20	20
REZ-3S32	F25T8	14	14	14
REZ-132	F32T8	33	33	33
REZ-2S32	F32T8	17	17	17
REZ-3S32	F32T8	11	11	11
REZ-1TTS40	FT40W/2G11	29	29	29
REZ-2TTS40	FT40W/2G11	14	14	14

Box-Mounted Lighting & Fan Speed Controls

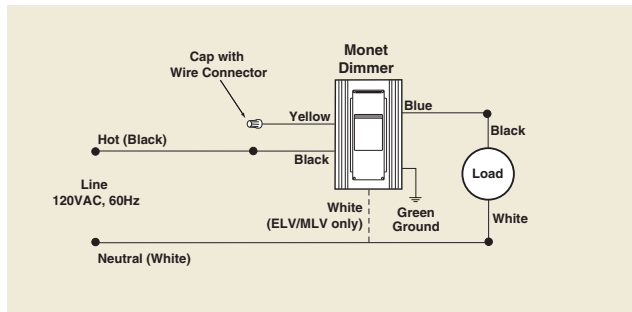
Architectural Specification Technical Information



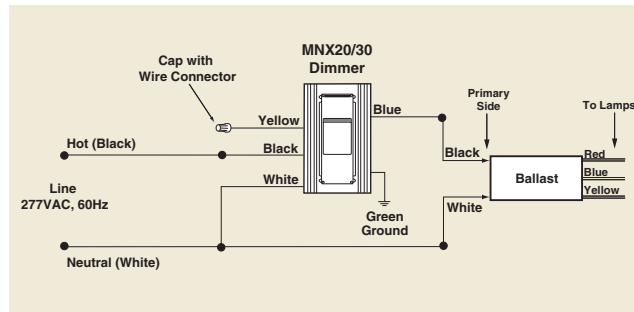
WIRING DIAGRAMS

MONET CONTROL APPLICATION WIRING DIAGRAMS

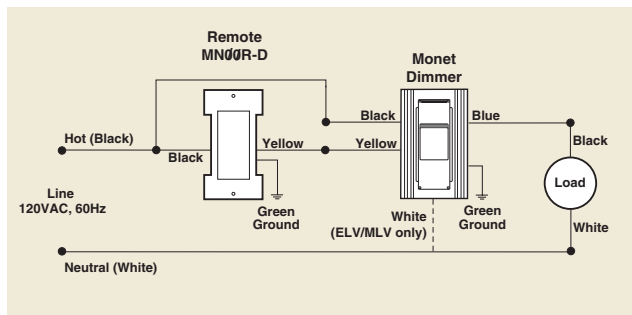
Single-Location Control Application, Monet



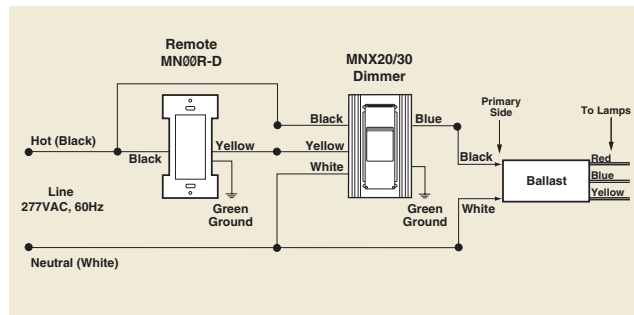
Single-Location Control Application, Monet MNX20-7L and MNX30-7L only



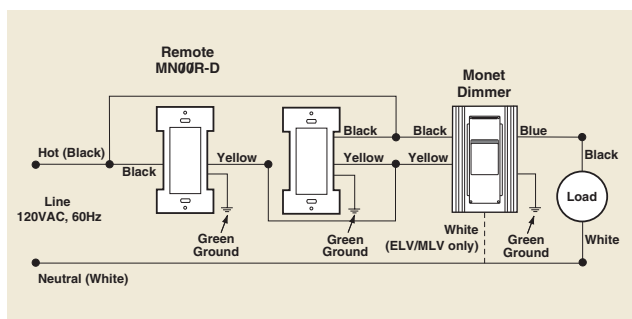
Two-Location Control Application, Monet



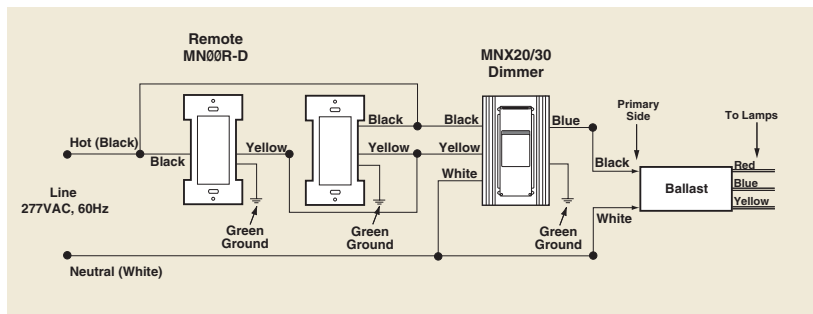
Two-Location Control Application, Monet MNX20-7L and MNX30-7L only



Three-Location Control Application, Monet

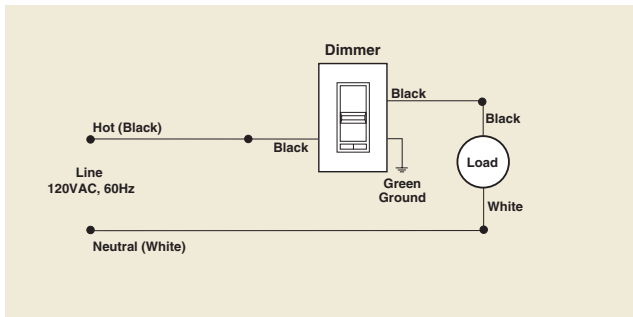


Three-Location Control Application, Monet MNX20-7L and MNX30-7L only

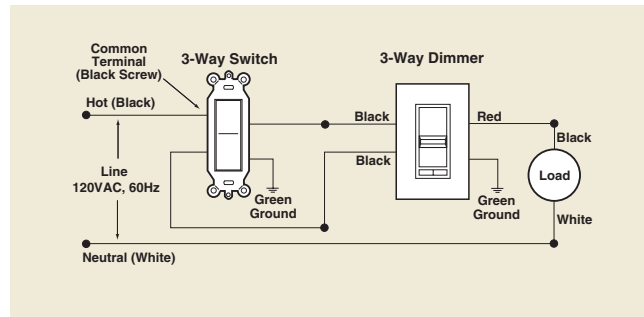


RENOIR & VAN GOGH CONTROL APPLICATION WIRING DIAGRAMS

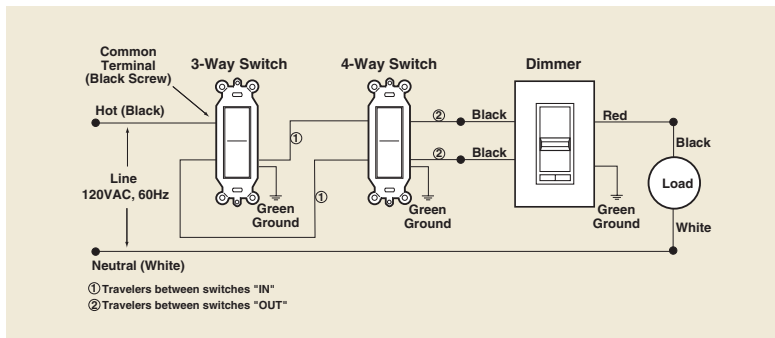
Single-Location Control Application, Renoir and Van Gogh



Two-Location Control Application, Renoir and Van Gogh



Three-Location Control Application, Renoir and Van Gogh

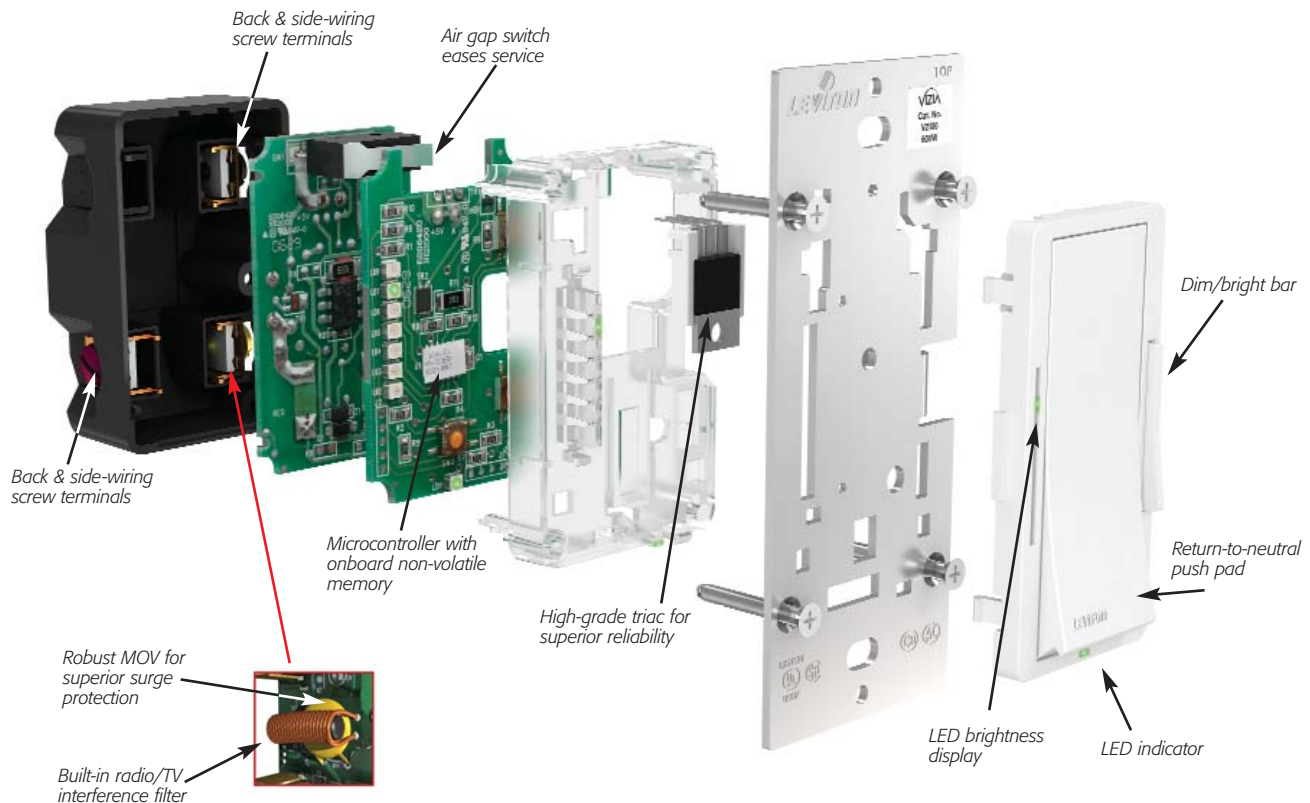


CAUTION: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persists.

NOTE: Digital lighting and fan speed controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the control is properly connected to the load as indicated by the device's wiring instructions.

VIZIA DIMMING & FAN SPEED CONTROLS

The Vizia Collection is Leviton's most advanced statement in residential and commercial lighting technology. It accommodates every type of lighting. The return-to-neutral design provides the ultimate in visual appeal. Intuitive and easy to use, Vizia complements a wide range of decorating styles.



- Return-to-neutral push pad offers easy-to-use preset light level and on/off switching
- Digital circuitry provides eye-pleasing soft-on/fade-off that extends lamp life
- Compatible with Decora® screwless and Decora standard designer wallplates
- Wide range of colors available through convenient color change kits

Available Colors



Note: Not all models come in all colors. See listings for color availability for specific devices.

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

For complete information on the Vizia Collection, consult your Leviton representative.

For more technical information, call Leviton at 1-800-824-3005 or visit us online at www.leviton.com

VIZIA PRESET DIGITAL CONTROLS

Beautiful inside and out — the all-digital Vizia™ line combines an intuitive Dim/Bright bar and simple push pad for effortless lighting control.

Operation

- Return-to-neutral push pad provides easy-to-use preset light level on/off switching
- Dim/Bright bar allows user to set brightness level when lights are on or off
- Press and hold push pad to turn lights on to full bright from any preset light level
- Green locator LED illuminates when lights are off
- To use the delayed-off feature while lights are on (10 seconds to off), press and hold the push pad
- LED display alongside push pad indicates selected brightness level
- Dim-lock level feature determines preset light level regardless of last setting
- Selectable Fade Rate is easily programmable for desired room ambiance

Function

- Single-pole (one-location) or multi-location full range dimming when used with Vizia Dimmer Remotes
- Digital circuitry provides soft-on/fade-off lighting and prolonged lamp life or an option via simple programming for classic on/off
- Minimum brightness level can easily be programmed from 1 to 50% of full brightness
- Built-in radio/TV interference filter
- Power failure recovery assures retention of lighting levels during long-term power interruption
- On/off AC air-gap switch completely disconnects power to unit for bulb changes and service
- Can accommodate additional load capacity through Leviton Power Extenders—See Section H

Style

- Decora® styling enhances any interior and adds a family look when ganged with other Decora devices
- Return-to-neutral device design provides the ultimate in visual and tactile appeal
- A wide range of high gloss colors makes it easy and economical to accommodate decorating schemes
- Three color choices along with single- or multi-location control provide 6 different options in each box, eliminating the need to stock a large variety of devices
- Color change kits simplify distributor/contractor inventory

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



VZ106-1L in 80301-W



VZ00R-10 in 80301-W



Box-Mounted Lighting & Fan Speed Controls

Vizia Product Listing



VIZIA PRESET DIGITAL DIMMING & FAN SPEED CONTROLS

Dimmers, Fan Speed Control and Electronic Switch

COMMERCIAL GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Incandescent Vizia Dimmer	X	X	X	vzi06-1l	600W, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Magnetic Low-Voltage Vizia Dimmer	X	X	X	vzm06-1l	600W, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Incandescent Magnetic Low-Voltage Vizia Dimmer	X	X	X	vzm10-1l	1000W, Incandescent, 1000VA, Magnetic Low-Voltage, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Electronic Low-Voltage Vizia Dimmer	X	X	X	vze04-1l	400W, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Electronic Low-Voltage Vizia Dimmer	X	X	X	vze06-1l	600W, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Advance Mark 10™ Powerline or Tu-Wire® Fluorescent Dimming Ballast Vizia Dimmer	X	X	X	vzx10-1l	1000VA, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Advance Mark 10™ Powerline Fluorescent Dimming Ballast Vizia Dimmer	X	X	X	vzx12-7l	1200VA, 277VAC 60Hz	X (I+W+A), Z (I+W+T)*
Hi-Lume® or Eco-10™ (Eco Series) Fluorescent Dimming Ballast Vizia Dimmer	X	X	X	vzh08-1l	8A, 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Hi-Lume® or Eco-10™ (Eco Series) Fluorescent Dimming Ballast Vizia Dimmer	X	X	X	vzh06-7l	6A, 277VAC 60Hz	X (I+W+A), Z (I+W+T)*
Vizia Quiet Fan Speed Control	X			vzf01-1l	1.5A 120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Non-Dimming Electronic Vizia Switch	X		X	vzs15-1l	15A 120VAC 60Hz	X (I+W+A), Z (I+W+T)*

Vizia Remote Units – No Load Rating

COMMERCIAL GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	CAT. NO.	RATING	COLOR
Matching Dimmer Remote to 120V Dimmers/Fan Speed Control for up to 5 location applications	X	X	vz00r-1l	120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Matching Dimmer Remote to 277V Dimmers/Fan Speed Control for up to 5 location applications	X	X	vz00r-7l	277VAC 60Hz	X (I+W+A), Z (I+W+T)*
Coordinating Dimmer Remote to 120V Dimmers/Fan Speed Control for up to 10 location applications			vz00r-10	120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Matching Switch Remote to vzs15-1l Switch for up to 5 location applications	X		vz0sr-1l	120VAC 60Hz	X (I+W+A), Z (I+W+T)*
Coordinating Switch Remote to all 120VAC dimmers and vzs15-1l Switch for up to 10 location applications			vz0sr-10	120VAC 60Hz	X (I+W+A), Z (I+W+T)*

Color Change Kits for Vizia Lighting Controls

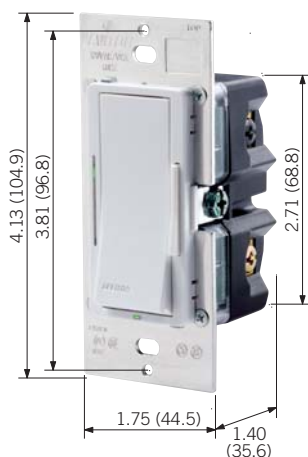
DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	CAT. NO.	COLOR
Matching Dimmer/Fan Speed Color Change Kit	X	X	vzkit-md	I, W, A, T, G, E, R, B
Coordinating Dimmer/Fan Speed Color Change Kit		X	vzkit-cd	I, W, A, T, G, E, R, B
Matching Switch Color Change Kit			vzkit-ms	I, W, A, T, G, E, R, B
Coordinating Switch Color Change Kit			vzkit-cs	I, W, A, T, G, E, R, B

* Vizia Preset Controls come packaged with three colors. Controls with suffix (-X) include White, Ivory and Almond. Controls with suffix (-Z) include White, Ivory and Light Almond. For other colors, order Color Change Kits. Add suffix to the Color Change Kit Cat. No. as follows: Ivory (-I), White (-W), Almond (-A), Light Almond (-T), Gray (-G), Black (-E), Red (-R) and Brown (-B).

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

NOTE: See Page A39 for more application information.



VZ106-1LZ



MURAL DECORA-STYLE DIGITAL CONTROLS

Leviton Mural rocker dimmers are full-featured controls that come in a wide variety of colors to suit any room décor. These contemporary, Decora-style lighting and fan speed controls coordinate with our comprehensive line of Decora devices.

SPECIFICATIONS & FEATURES

Operation

- Easy for people of all ages and abilities to operate
- Locator LED illuminates when lights are off
- LED display alongside rocker indicates selected brightness level

Function

- Provides single-pole (one location) and 3-way (multi-location) full range dimming when used with MS00R remote unit
- Digital circuitry provides eye-pleasing soft-on/fade-off and extended lamp life
- Built-in radio/TV interference filter
- Protected memory and voltage compensation maintain light levels after short-term power outages and during minor power fluctuations
- On/off AC air-gap switch completely disconnects power to unit for bulb changes and service
- Additional load capacity through Leviton Power Extenders—See Section H for information

Style

- Compatible with Decora screwless and Decora standard designer wallplates
- Decora styling enhances any interior and adds a family look when ganged with other Decora devices
- A wide range color options make it easy and economical to accommodate decorating schemes
- Color change kits simplify distributor/contractor inventory

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

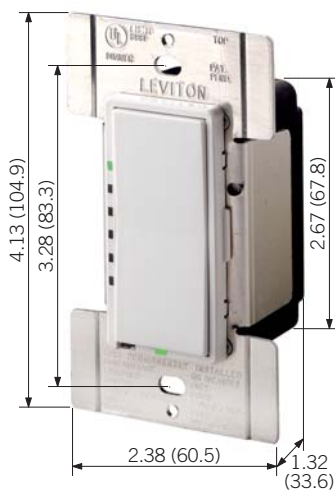


MDI06-1LW in 80301-W



Box-Mounted Lighting & Fan Speed Controls

Mural Product Listing



MDI06-1LW

MURAL DECORA-STYLE PRESET DIMMERS & FAN SPEED CONTROLS

Dimmers

COMMERCIAL GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Incandescent Mural Dimmer	X	X	X	mdi06-1l	600W, 120VAC 60Hz	W, I, A* (G, B, E with kit)
Incandescent Mural Dimmer	X	X	X	mdi10-1l	1000W, 120VAC 60Hz	W, I, A* (G, B, E with kit)
Magnetic Low-Voltage Mural Dimmer	X	X	X	mdm06-1l	600VA (450W), 120VAC 60Hz	W, I, A* (G, B, E with kit)
Magnetic Low-Voltage Mural Dimmer	X	X	X	mdm10-1l	1000VA (800W), 120VAC 60Hz	W, I, A* (G, B, E with kit)
Electronic Low-Voltage Mural Dimmer	X	X	X	mde03-1lw	350VA (280W), 120VAC 60Hz	W* (I, A, G, B, E with kit)
Multi-Remote Unit for Multi-Location Dimming (except with MDE03)				ms00r-10	—	W, I, A* (G, E with kit)
Multi-Remote Unit for Electronic Low-Voltage Multi-Location Dimming				mse0r-10w	—	W* (I, A, G, E with kit)

Fan Speed Controls

COMMERCIAL GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Quiet Fan Speed Control	X	X	X	mdf01-1lw	1.5A, 120VAC 60Hz	W, I, A* (G, B, E with kit)

* Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A). Wallplates sold separately. For other colors, order Color Change Kits.

** 3-way with Multi-Remote Unit.

Color Change Kits for Mural Controllers

COMMERCIAL GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	CAT. NO.	RATING	COLOR
MD-Model Color Change Kit	X	X	drkdd	—	W, I, A, G, B, E***
Multi-Remote-Unit Color Change Kit			drk0r	—	W, I, A, G, E***

*** Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Gray (-G), Brown (-B), and Black (-E). Wallplates sold separately.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A39 through A40 for more application information, including derating charts and wiring diagrams.

MURAL SCENE-CAPABLE DIGITAL DIMMERS

The Mural Scene-Capable Dimmer provides advanced multi-point scene dimming for commercial and high-end residential lighting. The dimmer is for use in conjunction with an MN00C to provide up to seven separate lighting scenes within a room or group of rooms.

SPECIFICATIONS & FEATURES

Operation

- Easy for people of all ages and abilities to operate
- Local dim/bright adjustment on individual scene dimmers will not affect programmed scene lighting settings
- LED alongside rocker indicates selected brightness level
- Locator LED illuminates when lights are off

Function

- Responds to lighting level commands sent by the MN00C Scene Controller
- Compatible with scene enhancement products
- Minimum brightness adjustment sets comfortable minimum light level
- Digital circuitry provides eye-pleasing soft-on/fade-off operation and prolonged lamp life
- Built-in radio/TV interference filter
- Protected memory and voltage compensation maintain light levels after power outages and during minor power fluctuations
- On/off AC air-gap switch completely disconnects power to unit for bulb changes and service
- Additional load capacity through Leviton Power Extenders—See Section H for information

Style

- Decora styling enhances any interior and adds a family look when ganged with other Decora devices
- A wide range color options make it easy and economical to accommodate decorating schemes
- Color change kits simplify distributor/contractor inventory

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



MCM06-1LW in 80301-W

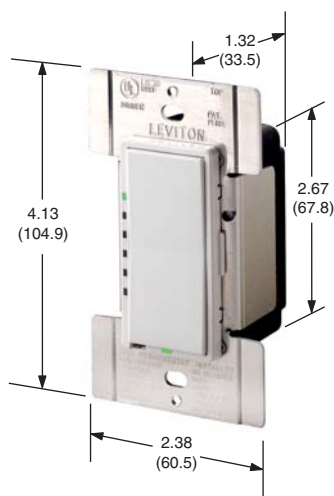


Box-Mounted Lighting & Fan Speed Controls

Mural Product Listing



MURAL • PRODUCT LISTING



MCM06-1LW

MURAL SCENE-CAPABLE DIGITAL DIMMERS

Mural Scene-Capable Dimmers

Compatible with Scene Controller and Scene Enhancement Products on next pages.

COMMERCIAL GRADE

DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP	CAT. NO.	RATING	COLOR
For Incandescent/Magnetic Low-Voltage loads	X	X	X	mcm06-1l	600W/VA, 120VAC 60Hz	W, I, A* (G, B, E with kit)
For Incandescent/Magnetic Low-Voltage Dimmer	X	X	X	mcm10-1l	1000W/VA, 120VAC 60Hz	W, I, A* (G, B, E with kit)
Mark 10 Powerline Preset Dimmer for 120VAC Advance Mark 10™ Fluorescent Dimming Ballast	X	X	X	mcx10-1lw	1000VA, 120VAC 60Hz	W* (I, A, G, B, E with kit)

* Add to end of catalog number suffix as follows: White (W), Ivory (I), Almond (A). Wallplates sold separately. For other colors, order Color Change Kits.

Color Change Kits for Mural Scene-Capable Dimmers

DESCRIPTION	CAT. NO.	RATING	COLOR
MC-model Color Change Kits	drkdd-1l	—	W, I, A, G, B, E**

**Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Gray (-G), Brown (-B), and Black (-E). Wallplates sold separately.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A39 through A40 for more application information, including derating charts and wiring diagrams.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

MURAL SCENE CONTROLLER & ACCESSORIES

The Leviton MN00C Scene Controller provides advanced multi-point scene control for commercial and high-end residential lighting when used with a scene-capable Mural dimmer or fan speed control. The Mural Scene Controller can provide up to seven, distinct lighting scenes within a room or group of rooms.

SPECIFICATIONS & FEATURES

Scene Controller

- Sends commands for up to 7 scenes to individual Mural Scene-Capable Dimmers—up to 20 scene dimmers per circuit
- Multiple Scene Controllers can be used for multipoint access to scenes
- Off button and two arrow-shaped buttons for group dim and bright control
- Local dim/bright adjustment on individual scene dimmers will not affect programmed scene settings
- LED for each scene button indicates selected scene
- Fast, easy scene programming: Press scene button on MN00C, adjust individual level on Mural Scene-Capable dimmer, press program button on dimmer
- Internal MOV for surge protection
- Use with Decora Plus or any standard Decora wallplate
- Decora styling enhances any interior and adds a family look when ganged with other Decora devices
- A wide range color options make it easy and economical to accommodate decorating schemes
- Color change kits simplify distributor/contractor inventory
- Do-it-yourself custom labels available through a special Color Change Kit: Design labels in choice of color, font size, type style using Leviton's intuitive software (See Applications section for more information on kit.)

Scene Enhancement Products

- One-Way Repeater allows the creation of separate scene control zones
- Two-Way Repeater provides scene control communication link between branch circuits

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



MN00C-1LW in 80301-W



Box-Mounted Lighting & Fan Speed Controls

Mural Product Listing



MN00C-1LW

MURAL SCENE CONTROLLER & ACCESSORIES

For Use with Mural Scene-Capable Dimmers

Scene Controller for Mural Scene-Capable Lighting Controls

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
Scene Controller with 7 scene buttons plus Off and group dim and bright	mn00c-1lw	No load rating. Use with only 120V Mural scene dimmers	W, I, A, G, E with kit)*
Color Change Kit with standard labels	dcks7-00	—	W, I, A, G, E**
Color Change Kit with Customizable Labels for Scene Controller. See Applications pages for more information	dcks7-0c	—	W, I, A, G, E**

* Basic catalog number comes in white. For other colors, order Color Change Kits. Wallplates sold separately.

** Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Gray (-G), and Black (-E). Wallplates sold separately. If ordering Color Change Kit with Customizable Labels, contact a Leviton representative for lead time on ivory, gray, or black.

Scene Enhancement Products for Mural Scene-Capable Lighting Controls

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
One-Way Signal Repeater (to control lighting on > 1 circuit)	17100-1wy	—	—
Two-Way Signal Repeater (to control lighting on > 1 circuit)	17100-2wy	—	—
Contact Closure Interface (allows control of Mural scene-capable devices from home theater and building control systems via momentary contact inputs)	177bi	—	—
Infrared Receiver (with wall- and ceiling-mount bezels)	177ir-iwa	—	with I, W, A bezels
Handheld Infrared Remote Control (with 4 scene buttons plus Off)	177rc	—	Black

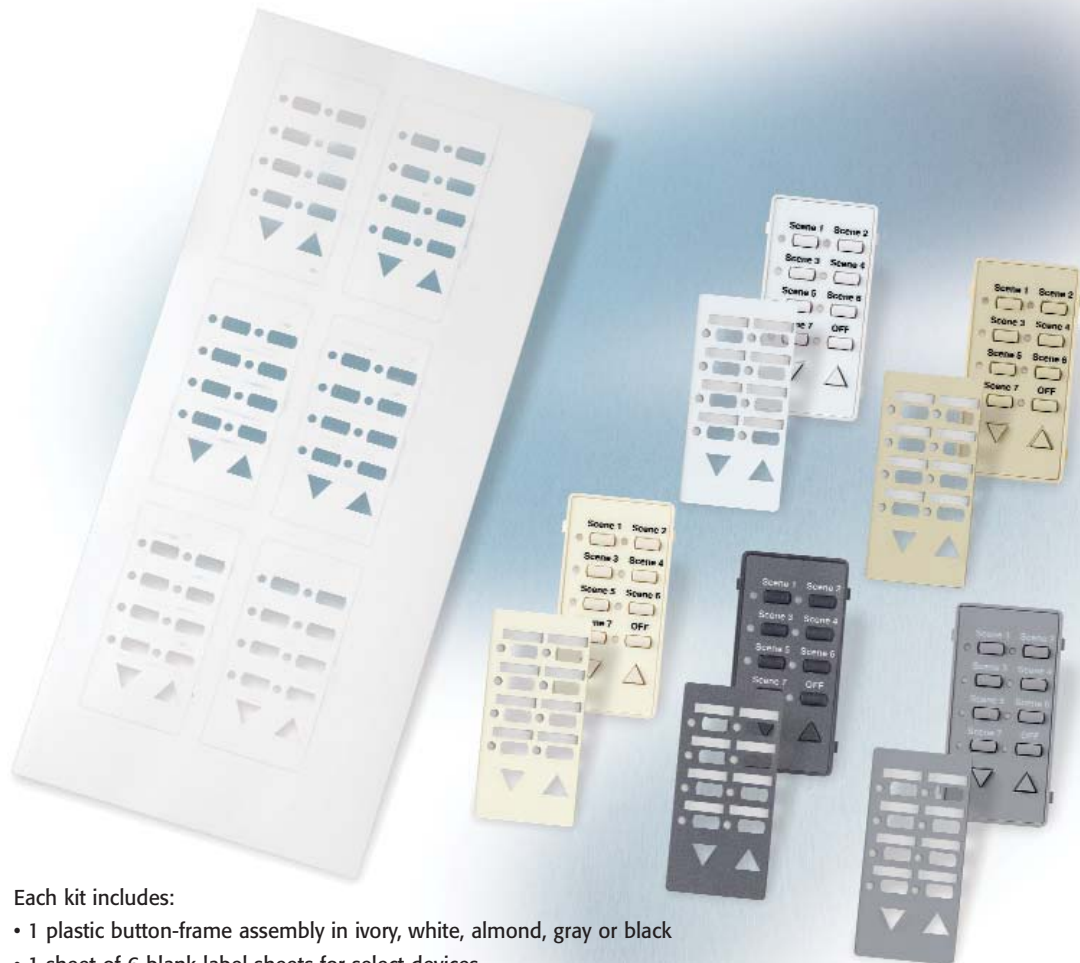
NOTE: See Pages A39 through A40 for more application information, including derating charts and wiring diagrams.

UNDERSTANDING LEVITON CATALOG NUMBERS

First 2 letters – Product Name*	3rd character – Type of Load*	4th and 5th characters – Rating or Description*	–	1st suffix character – Voltage	2nd suffix character – Lighted Status	3rd suffix character – Color
MC = Mural Scene MD = Mural with Display MS = Mural without Display VZ = Vizia	I = Incandescent M = Magnetic Low Voltage X = Mark 10™ Powerline E = Electronic Low Voltage H = Hi-lume® or Eco-10™ (Eco-Series) F = Fan Speed S = Switch O = NA	04 = 400W/VA 06 = 600W/VA 06 = 6 Amp with Hi-lume® 08 = 8 Amp 10 = 1000W/VA 12 = 1200VA 01 = 1.5 Amp OR = Remote OC = Controller SR = Switch Remote	–	1 = 120V 7 = 277V 0 = NA	L = Lighted O = NA C = Custom	W = White I = Ivory A = Almond T = Light Almond G = Gray R = Red B = Brown E = Black (ebony) O = NA

MURAL CUSTOM LABELING/COLOR CHANGE KITS

Leviton's Custom Labeling Color Kit creates custom identification labels for Leviton multi-button controllers, including the Mural-compatible MN00C Scene Controller. Once the kit is ordered in the color of choice, the software on www.leviton.com/customlabels can be used to generate the labels. Then print and affix the labels to the button-frame assembly and finish off with the cover label. Kits can be ordered with white, ivory, almond, gray, or black entry pads. Matching Decora® wallplates must be ordered separately.



Each kit includes:

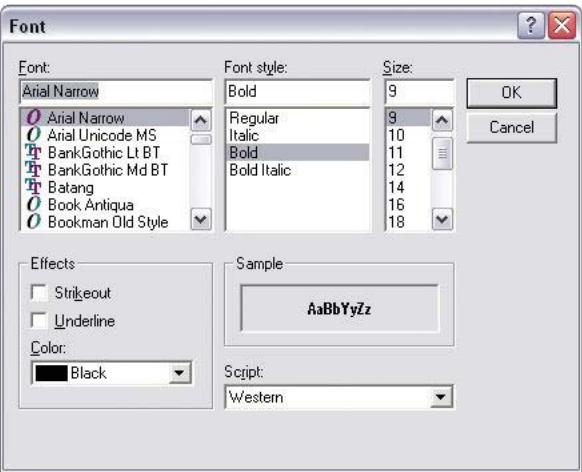
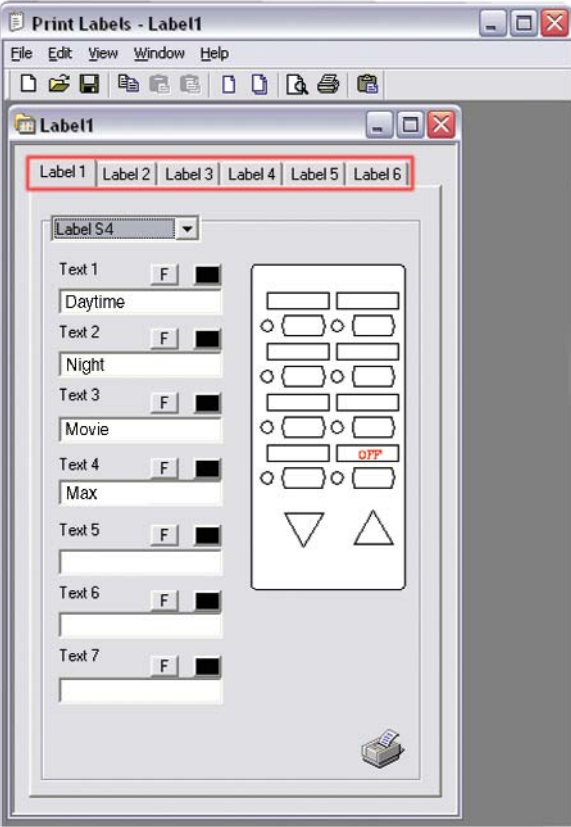
- 1 plastic button-frame assembly in ivory, white, almond, gray or black
- 1 sheet of 6 blank label sheets for select devices
- 1 cover label with windows in selected color

Box-Mounted Lighting & Fan Speed Controls

Mural Applications



Leviton's Custom Labeling Software found at www.leviton.com/customlabels



GANGING

When ganging Mural and Vizia lighting controls, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off. The side sections of the strap dissipate heat so removing them requires derating the dimmer's capacity.

Maximum Load Per Dimmer for Multi-Ganging

CAT. NO.	SINGLE	2-GANG	> 2-GANG
MCM06-1L	600W/VA	500W/VA	400W/VA
MCM10-1L	1000W/VA (800W)	800W/VA (650W)	700W/VA (560W)
MCX10-1L	1000VA	800VA	700VA
MDE03-1L	350VA (280W)	250VA (200W)	200VA (160W)
MDF01-1L	1.5A	1.5A	1.5A
MDI06-1L	600W	500W	400W
MDI10-1L	1000W	800W	700W
MDM06-1L	600VA (450W)	500VA (375W)	400VA (300W)
MDM10-1L	1000VA (800W)	800VA (650W)	700VA (560W)
VZI06-1L*	600W	500W	400W
VZM06-1L*	600VA (450W)	500VA (375W)	400VA (300W)
VZM10-1L	1000W/VA (800W)	800W/VA (640W)	650W/VA (520W)
VZE04-1L	400W	350W	250W
VZE06-1L	600W	500W	400W
VZX10-1L	1000VA	800VA	650VA
VZX12-7L	1200VA/4.3A	1200VA/4.3A	1200VA/4.3A
VZH08-1L	8A	8A	8A
VZH06-7L	6A	6A	6A
VZF01-1L	1.5A	1.5A	1.5A

*Fin removal not required for multi-gang installation.

BALLAST LIMITATIONS

Number of Advance Transformer Mark 10™ Powerline Dimmable Ballasts per 1000VA 120V (MCX10-1L and VZX10-1L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	32	26	22
REZ-1T32	CFM32W/GX24Q	26	21	18
REZ-1T42	CFM42W/GX24Q	20	16	14
REZ-2Q26	CFQ26W/G24Q	17	14	12
REZ-132	F25T8	32	26	22
REZ-2S32	F25T8	17	13	12
REZ-3S32	F25T8	11	9	8
REZ-132	F32T8	28	22	19
REZ-2S32	F32T8	14	11	10
REZ-3S32	F32T8	9	8	7
REZ-1TTS40	FT40W/2G11	25	20	17
REZ-2TTS40	FT40W/2G11	12	10	9

Number of Advance Transformer Mark 10™ Powerline Dimmable Ballasts per 1200VA 277V (VZX12-7L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
VEZ-1T32	CFM26W/GX24Q	39	39	39
VEZ-1T32	CFM32W/GX24Q	31	31	31
VEZ-1T42	CFM42W/GX24Q	24	24	24
VEZ-2Q26	CFQ26W/G24Q	21	21	21
VEZ-132	F25T8	39	39	39
VEZ-2S32	F25T8	20	20	20
VEZ-3S32	F25T8	14	14	14
VEZ-132	F32T8	33	33	33
VEZ-2S32	F32T8	17	17	17
VEZ-3S32	F32T8	11	11	11
VEZ-1TTS40	FT40W/2G11	29	29	29
VEZ-2TTS40	FT40W/2G11	14	14	14

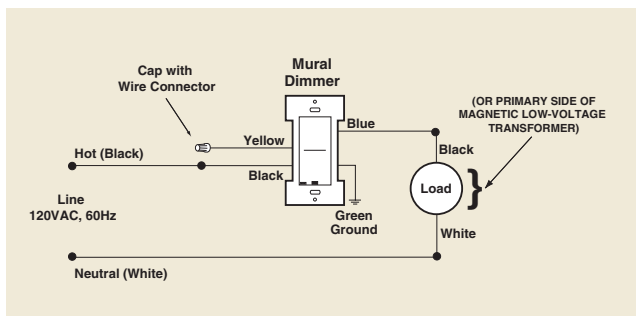
Box-Mounted Lighting & Fan Speed Controls

Mural Dimmer Technical Information

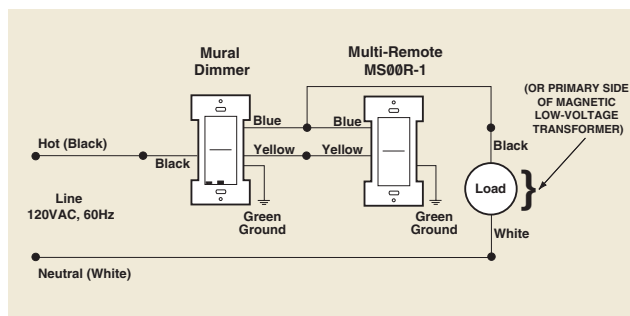


WIRING DIAGRAMS

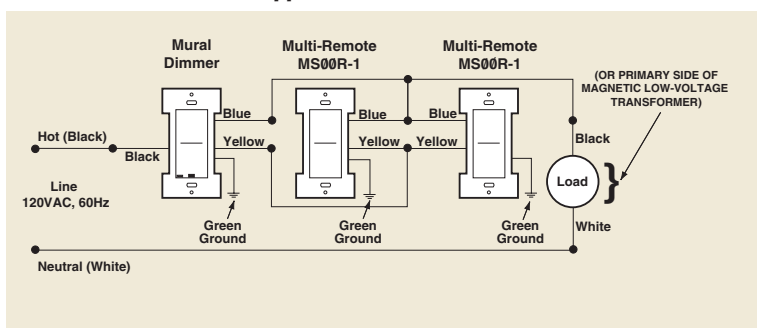
Mural Single-Location Control Application



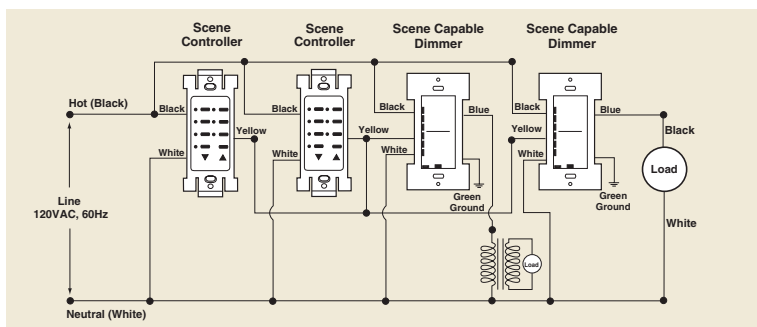
Mural 2-Location Control Application



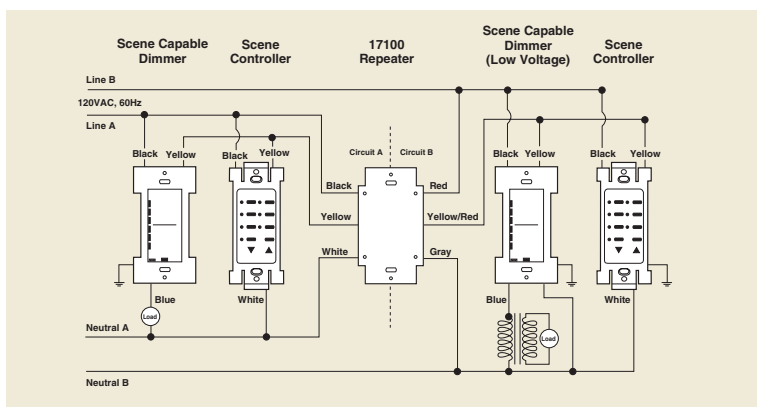
Mural 3-Location Control Application



Mural Scene Application



Mural Scene Application with Signal Repeater



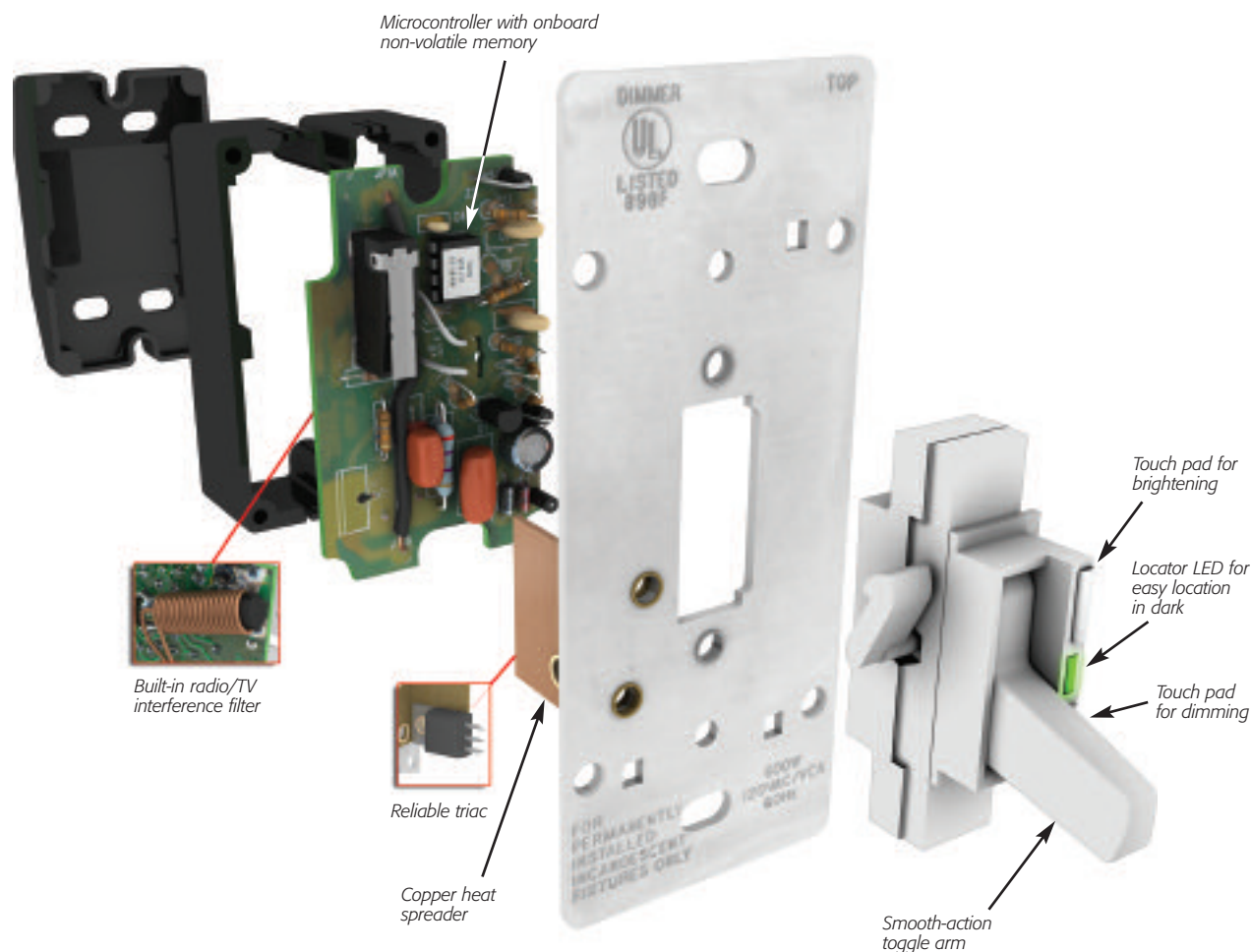
NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist. Digital lighting and fan speed controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the control is properly connected to the load as indicated by the device's wiring instructions.

See Section H, Power Extenders, for more information on Leviton power extenders.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

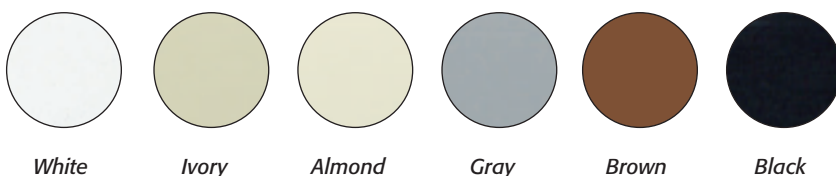
LEVITON TOUCH DIMMERS

The Leviton Touch line encompasses True Touch™, TouchPoint™, and ToggleTouch™ dimmers. All three styles provide full-range dimming using digital touch pad technology that enables dimming and switching with a touch of a finger. All are offered in a number of color options to complement any décor.



- Preset dimmers incorporate touchpad technology
- Digital circuitry provides eye-pleasing soft-on and fade-off that extends lamp life (most models)
- Single-point and multi-point control available
- Wide range of colors coordinates with any décor

Available Colors



Note: Not all models come in all colors. See listings for color availability for specific devices.

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

Box-Mounted Lighting & Fan Speed Controls

Touch Dimmer Product Listing



TOUCHPOINT • PRODUCT LISTING



TPI10-ILW in 80301-W



MS00R-10 in 80301

TOUCHPOINT DECORA PRESET DIGITAL DIMMERS

With their advanced touch pad technology, Leviton TouchPoint™ dimmers provide full range dimming with a touch of a finger.

SPECIFICATIONS & FEATURES

Operation

- Touch pad technology provides full range dimming by responding to where finger is placed on pad
- Preset switch for on/off operation
- Locator LED is illuminated when lights are off
- Easy-to-read LED alongside touchpad indicates selected brightness level

Function

- Digital circuitry provides eye-pleasing soft-on/fade-off and extended lamp life
- Minimum brightness adjustment sets comfortable minimum light level
- Provides single-pole (one-location) and 3-way (multi-location) full range dimming when used with MS00R remote unit
- Built-in radio/TV interference filter
- Protected memory maintains light levels after power outages and during minor power fluctuations

Style

- Attractive Decora® styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



TOUCHPOINT DECORA PRESET DIGITAL DIMMERS Dimmers and Accessories

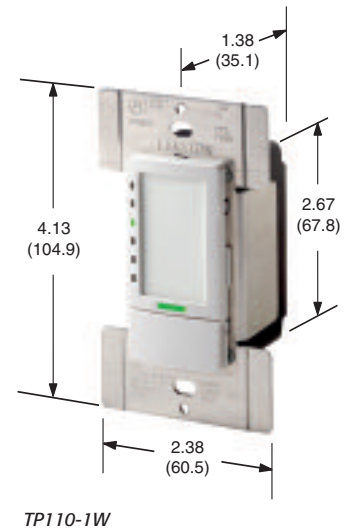
DESCRIPTION	LOCATOR LED	BRIGHTNESS DISPLAY	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Incandescent TouchPoint Dimmer	X	X	X	tpi06-1l	600W, 120VAC 60Hz	W, I, A, G, E*
Incandescent TouchPoint Dimmer	X	X	X	tpi10-1l	1000W, 120VAC 60Hz	W, I, A, G, E*
Magnetic Low-Voltage TouchPoint Dimmer	X	X	X	tpm06-1l	600VA (450W), 120VAC 60Hz	W, I, A, G, E*
Magnetic Low-Voltage TouchPoint Dimmer	X	X	X	tpm10-1l	1000VA (800W), 120VAC 60Hz	W, I, A, G, E*
Advance Mark 10™ Fluorescent Dimming Ballast TouchPoint Dimmer	X	X	X	tpx06-1l	600VA, 120VAC 60Hz	W, I, A, G, E*
Advance Mark 10 Fluorescent Dimming Ballast TouchPoint Dimmer	X	X	X	tpx10-1l	1000VA, 120VAC 60Hz	W, I, A, G, E*
Multi-Remote Unit for Multi-Location Dimming				ms00r-10	—	W, I, A* (G, E with kit)
Color Change Kit for Multi-Remote Units				drk0r-00	—	W, I, A, G, E*

* Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Gray (-G), and Black (-E). Wallplates sold separately. ** 3-way with Multi-Remote Unit.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A47 through A49 for more application and technical information, including derating charts and wiring diagrams.

CAUTION ON RETROFITS: When retrofitting Mark 10 dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.



Box-Mounted Lighting & Fan Speed Controls

Touch Dimmer Product Listing



TT110-10W in 80301-W

TRUE TOUCH DECORA DIGITAL PRESET DIMMERS

With their touch pad technology, Leviton True Touch™ dimmers provide dimming with a touch of a finger: One touch for on at preset level, again for off, or touch and hold to brighten or dim.

SPECIFICATIONS & FEATURES

Operation

- Fingertip ease-of-use and precise adjustment of lighting levels
- Digital circuitry provides eye-pleasing soft-on/fade-off and extended lamp life
- Locator LED is illuminated when lights are off

Function

- Minimum brightness adjustment sets comfortable minimum light level
- Provides single-pole (one-location) and 3-way (multi-location) full range dimming when used with TT00R remote unit
- Built-in radio/TV interference filter
- On/off AC air-gap switch completely disconnects power to unit for bulb changes and service

Style

- Attractive Decora styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- A wide range color options make it easy and economical to accommodate decorating schemes

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



TRUE TOUCH DECORA DIGITAL PRESET DIMMERS

True Touch Dimmers and Accessories

DESCRIPTION	LOCATOR LED	SP	3-WAY†	CAT. NO.	RATING	COLOR
Incandescent True Touch Dimmer	X	X	X	tti06-1aw	600W, 120VAC 60Hz	W + A, (I, WS, GI, GY, E, BG with kit)
Incandescent True Touch Dimmer	X	X	X	tti06-1ei	600W, 120VAC 60Hz	I + E, (W, A, WS, GI, GY, BG with kit)
Incandescent True Touch Dimmer	X	X	X	tti06-1gs	600W, 120VAC 60Hz	WS + GI, (W, I, A, GY, E, BG with kit)
Incandescent True Touch Dimmer	X	X	X	tti10-1	1000W, 120VAC 60Hz	W, I, A, WS, GI, (GY, E, BG with kit)*
Magnetic Low-Voltage True Touch Dimmer	X	X	X	ttm10-1	1000VA (800W), 120VAC 60Hz	W, I, A, WS, GI, (GY, E, BG with kit)*
True Touch Remote Unit				tt00r-1	—	W, I, A, WS, GI, (GY, E, BG with kit)*
Color Change Kit for Dimmer				ttkit-0	—	W, I, A, WS, GI, GY, E, BG**
Color Change Kit for Remote Unit				ttktr-0	—	W, I, A, WS, GI, GY, E, BG**

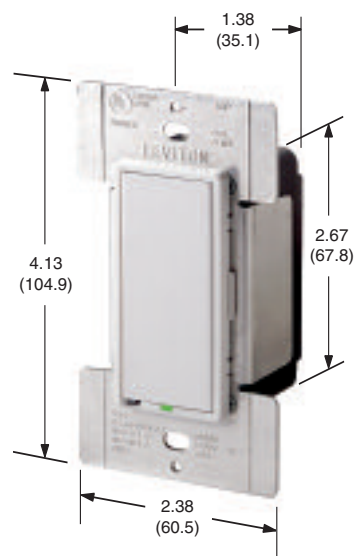
* Add to end of suffix as follows: all White (0W), all Ivory (0I), all Almond (A), White frame/Silver touch (WS), Ivory frame/Gold touch (GI). Other colors available with kit only. Wallplates sold separately.

** Add to end of catalog number as follows: all White (0W), all Ivory (0I), all Almond (0A), White frame/Silver touch (WS), Ivory frame/Gold touch (GI), all Gray (GY), all Black (0E), and Brown frame/Gold touch (BG). Wallplates sold separately.

† 3-way with Remote Unit.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A47 through A49 for more application and technical information, including derating charts and wiring diagrams.



TTI10-10W

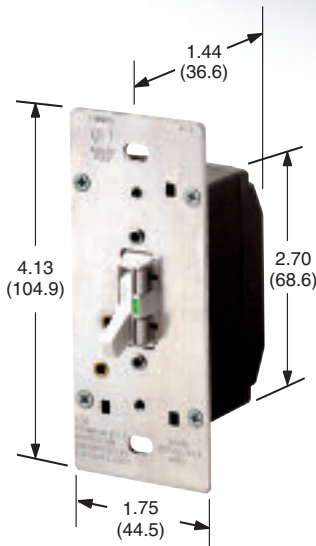


Box-Mounted Lighting & Fan Speed Controls

Touch Dimmer Product Listing



TGI06-1LW in 80401-W



TGI06-1LW

LEVITON TOGGLETOUCH DIGITAL PRESET TOGGLE DIMMERS

A unique combination of toggle-style on/off switching and digital touch pad technology.

SPECIFICATIONS & FEATURES

- Smooth on/off toggle action plus fingertip-control touch dimming that's easy to operate
- Single-pole (one-location) and multi-location control when used with a 3-way switch (most models)
- Preset dimming with soft-on feature (does not provide fade off)
- Available with Locator LED that is illuminated when lights are off
- Protected memory during temporary power failures ensures that dimmer will retain last setting before power interruption
- Built-in radio/TV interference filter
- Gangs perfectly with other Leviton toggle switches

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

ToggleTouch™ Dimmers

RESIDENTIAL GRADE

DESCRIPTION	LOCATOR LED	SP	3-WAY	CAT. NO.	RATING	COLOR
Single-pole Incandescent ToggleTouch Dimmer		X		tgi06-10	600W, 120VAC 60Hz	W, I, A*
Incandescent ToggleTouch Dimmer	X	X	X	tgi06-11	600W, 120VAC 60Hz	W, I, A, B*
Incandescent ToggleTouch Dimmer	X	X	X	tgi10-11	1000W, 120VAC 60Hz	W, I, A, G*
Magnetic Low-Voltage ToggleTouch Dimmer	X	X	X	tgm10-11	1000VA (800W), 120VAC 60Hz	W, I, A, G*

* Add to end of catalog number suffix as follows: White (W), Ivory (I), Almond (A), Gray (G), and Brown (B). Wallplates sold separately.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A47 through A49 for more application and technical information, including derating charts and wiring diagrams.



UNDERSTANDING LEVITON CATALOG NUMBERS

First 2 letters – Product Name	3rd character – Type of Load	4th and 5th characters – Rating or Description	-	1st suffix character – Voltage	2nd and 3rd suffix character – Lighted Status or Color
TG = Toggle Touch TP = TouchPoint TT = TrueTouch	I = Incandescent M = Magnetic Low Voltage X = Mark 10 O = NA	06 = 600W/VA 10 = 1000W/VA OR = Remote		1 = 120V	A = Almond B = Brown BG = Brown frame/ Gold touch E = Black (ebony) G = Gray (or GY) GI = Ivory frame/ Gold touch GS = GI + WS I = Ivory L = Lighted W = White WS = White frame/ Silver touch O = NA

GANGING & DERATING

Ganging may require the removal of part of the metallic mounting strap that helps dissipate heat from within the device. Therefore, removing a portion of the strap for ganging purposes will require derating the dimmers to prevent them from overheating. When ganging Leviton Touch dimmers, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off. The side sections of the strap dissipate heat, so removing them requires derating the dimmer's capacity.

Maximum Load Per Dimmer for Multi-Ganging

CAT. NO.	SINGLE	2-GANG	> 2-GANG
TGI06-10	600W	500W	400W
TGI06-1L	600W	500W	400W
TGI10-1L	1000W	800W	700W
TGM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)
TPI06-1L	600W	500W	400W
TPI10-1L	1000W	800W	700W
TPM06-1L	600VA (450W)	500VA (375W)	400VA (300W)
TPM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)
TPX06-1L	600VA	500VA	400VA
TPX10-1L	1000VA	800VA	700VA
TTI06-10	600W	500W	400W
TTI10-10	1000W	800W	700W
TTM10-10	1000VA (800W)	800VA (640W)	700VA (560W)

BALLAST LIMITATIONS

Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 600VA 120V (TPX06-1L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	19	16	13
REZ-1T32	CFM32W/GX24Q	16	13	10
REZ-1T42	CFM42W/GX24Q	12	10	8
REZ-2Q26	CFQ26W/G24Q	10	9	7
REZ-132	F25T8	19	16	13
REZ-2S32	F25T8	10	8	7
REZ-3S32	F25T8	7	6	5
REZ-132	F32T8	17	14	11
REZ-2S32	F32T8	8	7	6
REZ-3S32	F32T8	6	5	4
REZ-1TTS40	FT40W/2G11	15	12	10
REZ-2TTS40	FT40W/2G11	7	6	5

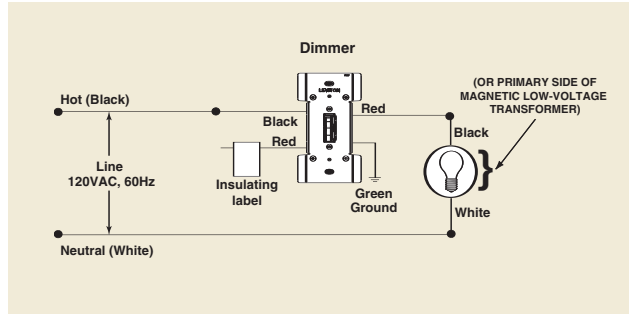
Number of Advance Transformer Mark 10™ *Powerline* Dimmable Ballasts per 1000VA 120V (TPX10-1L) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	32	26	22
REZ-1T32	CFM32W/GX24Q	26	21	18
REZ-1T42	CFM42W/GX24Q	20	16	14
REZ-2Q26	CFQ26W/G24Q	17	14	12
REZ-132	F25T8	32	26	22
REZ-2S32	F25T8	17	13	12
REZ-3S32	F25T8	11	9	8
REZ-132	F32T8	28	22	19
REZ-2S32	F32T8	14	11	10
REZ-3S32	F32T8	9	8	7
REZ-1TTS40	FT40W/2G11	25	20	17
REZ-2TTS40	FT40W/2G11	12	10	9

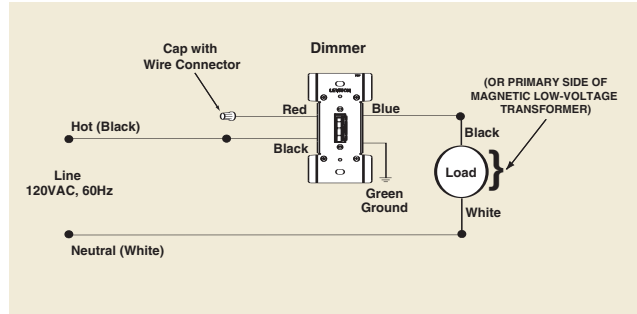
TOGGLETOUCH WIRING DIAGRAMS

Leviton is changing the wiring configuration on the ToggleTouch line of dimmers. Both the old and new configurations are shown here because either configuration may be available for some time. The appropriate wiring diagrams for each device will appear on the instruction sheet inside the package itself.

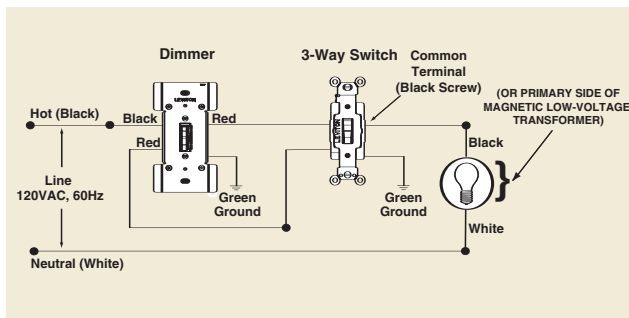
Single-Location Control Application, ToggleTouch (new wiring scheme)



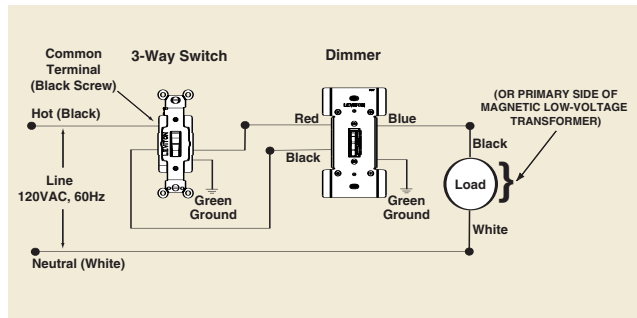
Single-Location Control Application, ToggleTouch (old wiring scheme)



Two-Location Control Application, ToggleTouch (new wiring scheme)



Two-Location Control Application, ToggleTouch (old wiring scheme)



NOTE: Sharing a neutral wire may cause flickering. Connect all dimmers to the same phase or run a separate neutral to each phase. Consult Leviton Techline if problems persist. Digital lighting and fan speed controls are polarity sensitive devices. Always follow the wiring instructions included with each device. They can be used in conventional 3-way and 4-way wiring circuits only when the control is properly connected to the load as indicated by the device's wiring instructions.

See Section H, Power Extenders, for more information on Leviton power extenders.

CAUTION ON RETROFITS: When retrofitting Mark 10 dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets **MUST** be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

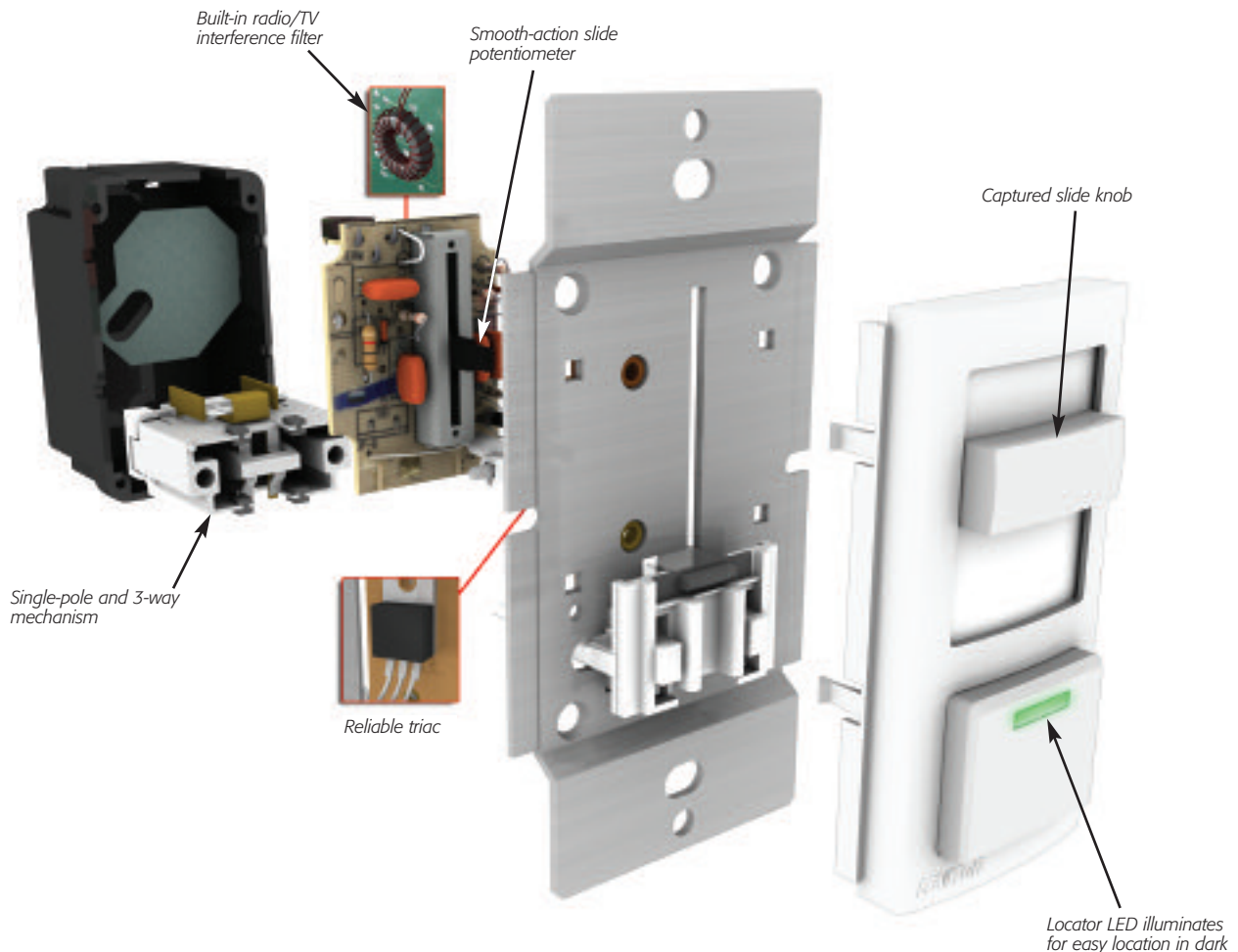
Box-Mounted Lighting & Fan Speed Controls

Traditional Controls



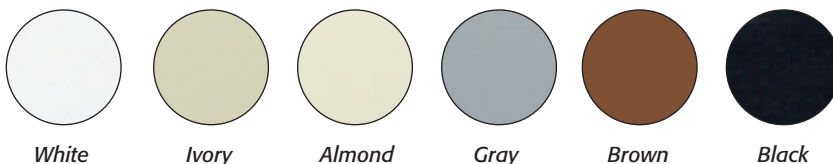
LEVITON TRADITIONAL SLIDE & ROTARY LIGHTING CONTROLS

Leviton offers a full line of slide, rotary and toggle dimmers and fan speed controls ideally suited to traditional interiors. The line includes Leviton IllumaTech™, SureSlide™, and Trimatron® brand devices as well as a number of specialty lighting devices. Leviton Traditional Controls are offered in a variety of colors.



- Features slide-, rotary- and toggle-style dimmers
- Most with full-range dimming and built-in radio/TV interference filter
- Available in single-pole and multi-location versions

Available Colors



Note: Not all models come in all colors. See listings for color availability for specific devices.

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

For more technical information, call Leviton at 1-800-824-3005 or visit us online at www.leviton.com

ILLUMATECH PRESET DIMMING & FAN SPEED SLIDE CONTROLS

Leviton IllumaTech™ slide controls feature a fluid slider for fine brightness adjustments as well as a pushbutton on/off switch with a Locator LED.

SPECIFICATIONS & FEATURES

Operation

- Fluid slide movement allows fine adjustment of light level with minimum effort
- Captured, wraparound slide bar will not fall off during use
- Easy-to-use pushbutton switch with Locator LED—making it easy to find in the dark

Function

- Single-pole (one-location) and 3-way (multi-location) lighting control when used with a 3-way switch
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Color change kits feature a self-aligning mechanism that automatically connects to internal slider
- Quiet (1.5 Amp) Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting; Full range 5-amp fan speed controls also available

Style

- Attractive Decora® styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- Available in convenient multi-color packs
- Snap-on color change kits simplify distributor/contractor inventory

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

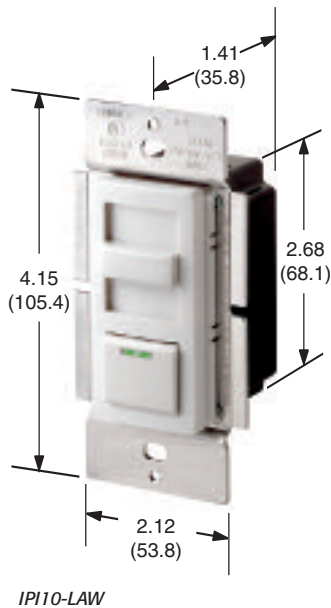


IPI06-1AW in 80301-W



Box-Mounted Lighting & Fan Speed Controls

Traditional Controls Product Listing



ILLUMATECH PRESET DIMMING & FAN SPEED SLIDE CONTROLS

Slide Dimmers and Fan Speed Controls

COMMERCIAL GRADE

DESCRIPTION	LIT	SP OR 3-WAY**	CAT. NO.	RATING	COLOR
Incandescent IllumaTech Dimmer	X	X	ipi06-law	600W, 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
Incandescent IllumaTech Dimmer	X	X	ipi06-lei	600W, 120VAC 60Hz	I + E* (W, A, G, R, B with kit)
Incandescent IllumaTech Dimmer	X	X	ipi10-law	1000W, 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
Incandescent IllumaTech Dimmer	X	X	ipi10-lei	1000W, 120VAC 60Hz	I + E* (W, A, G, R, B with kit)
Magnetic Low-Voltage IllumaTech Dimmer	X	X	ipm06-law	600VA (450W), 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
Magnetic Low-Voltage IllumaTech Dimmer	X	X	ipm10-law	1000VA (800W), 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
Electronic Low-Voltage IllumaTech Dimmer	X	X	ipe04-law	400VA (320W), 120VAC 60 Hz	W + A* (I, G, B, R, E with kit)
Advance Mark10™ Powerline Fluorescent Dimming Ballast IllumaTech Dimmer		X	ipx06-1aw	600VA, 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
Advance Mark 10 Powerline Fluorescent Dimming Ballast IllumaTech Dimmer		X	ipx10-1aw	1000VA, 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
Advance Mark 10 Powerline Fluorescent Dimming Ballast IllumaTech Dimmer		X	ipx06-7aw	600VA, 277VAC 60Hz	W + A* (I, G, B, R, E with kit)
Advance Mark 10 Powerline Fluorescent Dimming Ballast IllumaTech Dimmer		X	ipx12-7aw	1200VA, 277VAC 60Hz	W + A* (I, G, B, R, E with kit)
Advance Mark 7™ 0-10V Fluorescent Dimming Ballast IllumaTech Dimmer	X	X	ip710-daw	1200VA @ 120VAC 60Hz; 1500VA @ 277VAC 60Hz	W + A* (I, G, B, R, E with kit)
IllumaTech Preset Quiet Fan Speed Control	X	X	ipf01-law	1.5A, 120VAC 60Hz	W + A* (I, G, B, R, E with kit)
IllumaTech Preset Fan Speed Control	X	X	ipf05-law	5A, 120VAC 60Hz	W + A* (I, G, B, R, E with kit)

Color Change Kits

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
Color Change Kit for Lit Dimmers (with LED window)	ipkit-00	—	W, I, A, G, B, R, E***
Color Change Kit for IllumaTech Preset Quiet Fan Speed Control (IPF01)	ipqfk-00	—	W, I, A, G, B, R, E***
Color Change Kit for Fluorescent Dimmers and IPF05 Fan Speed Control (without LED window)	ipkit-0n	—	W, I, A, G, B, R, E***

* With White (W) and Almond (A) or Ivory (I) and Black (E) switches. Wallplates sold separately. For other colors, order Color Change Kits. Actual color availability may vary. Contact Customer Service for the most up-to-date information.

** 3-way with 3-way switch. *** Add to end of catalog number suffix as follows: White (W), Ivory (I), Almond (A), Gray (G), Brown (B), Red (R), and Black (E). Wallplates sold separately.

NOTE: Use Leviton Power Extenders (or for IP710, an OSP Power Pack) to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0-10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders. See Page C22 for more information on the OSP20 Power Pack.

NOTE: See Pages A62 through A66 for more application and technical information, including derating charts and wiring diagrams.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

ILLUMATECH SLIDE-TO-OFF DIMMING & FAN SPEED SLIDE CONTROLS

(Previously referred to as "Non-Preset")

SPECIFICATIONS & FEATURES

Operation

- Fluid slide movement allows fine adjustment of light level with minimum effort; slide to turn off
- Captured, wraparound slide bar will not fall off during use
- Locator LED is illuminated when lights are off

Function

- Single-pole (one location) dimming only
- Power failure recovery ensures retention of last setting before power interruption
- Built-in radio/TV interference filter
- Color change kits feature a self-aligning mechanism that automatically connects it to internal slider
- Quiet (1.5 Amp) Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting; Full range 5-amp fan speed controls also available

Style

- Attractive Decora styling blends with any interior
- Compatible with Decora screwless and Decora standard designer wallplates
- Snap-On Color Change Kits allow color changes on any device, eliminating the need to stock a separate device for every available color

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

Slide-to-off Dimmers and Fan Speed Controls

DESCRIPTION	LED LOCATOR	SP	CAT. NO.	RATING	COLOR	COMMERCIAL GRADE
Incandescent IllumaTech Dimmer	X	X	ini06-11	600W, 120VAC 60Hz	W, I, A* (G, B, E, with kit)	
Incandescent IllumaTech Dimmer		X	ini06-10	600W, 120VAC 60Hz	W, I, A* (G, B, E with kit)	
Incandescent IllumaTech Dimmer	X	X	ini10-11	1000W, 120VAC 60Hz	W, I, A* (G, B, E with kit)	
Magnetic Low-Voltage IllumaTech Dimmer	X	X	inm06-11	600VA (450W), 120VAC 60Hz	W, I, A* (G, B, E with kit)	
Magnetic Low-Voltage IllumaTech Dimmer	X	X	inm10-11	1000VA (800W), 120VAC 60Hz	W, I* (G, B, A, E with kit)	
IllumaTech Quiet Fan Speed Control	X	X	inf01-11	1.5A 120VAC 60Hz	W, I, A* (G, B, E with kit)	
IllumaTech Fan Speed Control	X	X	inf05-11	5A 120VAC 60Hz	W, I, A* (G, B, E with kit)	
Color Change Kit for IllumaTech Slide-to-off Dimmers and Fully Variable Fan Control (INF05)			inkit-00	—	W, I, A, G, B, E**	
Color Change Kit for IllumaTech Slide-to-off Quiet Fan Speed Control (INF01)			inqfk-00	—	W, I, A, G, B, E**	

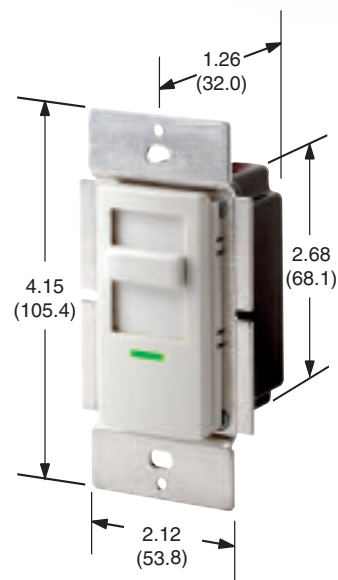
* Add to end of catalog number suffix as follows: White (W), Ivory (I), Almond (A). Wallplates sold separately. For other colors, order Color Change Kits. ** Add to end of catalog number suffix as follows: White (W), Ivory (I), Almond (A), Gray (G), Brown (B), and Black (E). Wallplates sold separately.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A62 through A66 for more application and technical information, including derating charts and wiring diagrams.



IN106-11W in 80301-W



IN110-11W

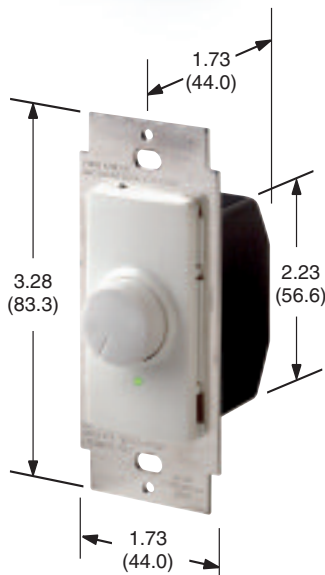


Box-Mounted Lighting & Fan Speed Controls

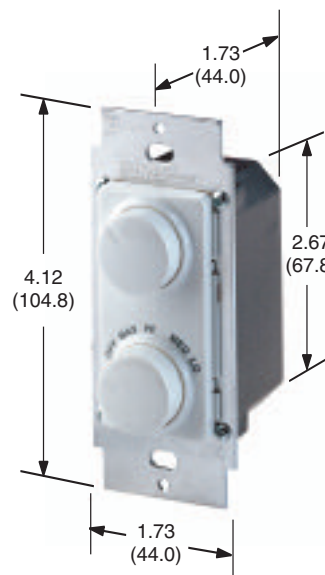
Traditional Controls Product Listing



RPI06-1LW in 80301-W



RPI06-10W



RTD01-10W

ILLUMATECH ROTARY DIMMERS & FAN SPEED CONTROLS

IllumaTech™ rotary controls combine the ease of a traditional rotary dial with the contemporary look of Leviton Decora®.

SPECIFICATIONS & FEATURES

Operation & Function

- Easy push-on/push-off operation
- Dimmers provide single-pole (one-location) or multi-location (3-way) control when used with a 3-way switch
- Illuminated dimmer is available
- Built-in radio/TV interference filter
- Quiet (1.5-Amp) Fan Speed Controls are perfect for libraries, study rooms and any area where ceiling fan noise could become distracting; Dual fan speed control and dimmer is ideal for ceiling fans with built-in light fixtures

Style

- Coordinate perfectly with Leviton's complete line of Decora wiring devices
- Compatible with Decora Plus screwless and Decora standard designer wallplates
- Slim, compact housing fits easily into a standard wallbox and is suitable for multi-gang installations

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

Rotary Dimmers and Fan Speed Controls

COMMERCIAL GRADE

DESCRIPTION	LIT	SP	3-WAY**	CAT. NO.	RATING	COLOR
Incandescent IllumaTech Rotary Dimmer (push on/off)	X	X	X	rpi06-law	600W, 120VAC 60Hz	W + A*
Incandescent IllumaTech Rotary Dimmer (push on/off)	X	X	X	rpi06-lei	600W, 120VAC 60Hz	I + E*
Incandescent IllumaTech Rotary Dimmer (push on/off)		X	X	rpi06-0aw	600W, 120VAC 60Hz	W + A*
Incandescent IllumaTech Rotary Dimmer (push on/off)		X	X	rpi06-0ei	600W, 120VAC 60Hz	I + E*
IllumaTech Rotary Quiet Fan Speed Control (rotary on/off)		X		rtf01-0aw	1.5A, 120VAC 60Hz	W + A*
IllumaTech Rotary Quiet Fan Speed Control (rotary on/off)		X		rtf01-0ei	1.5A, 120VAC 60Hz	I + E*
IllumaTech Rotary Dual Quiet Fan Speed Control AND Dimmer (rotary on/off)		X		rtd01-0aw	1.5A fan control/ 300W dimmer, 120VAC 60Hz	W + A*
IllumaTech Rotary Dual Quiet Fan Speed Control AND Dimmer (rotary on/off)		X		rtd01-0ei	1.5A fan control/ 300W dimmer, 120VAC 60Hz	I + E*

* Assembled in White(W) with Almond(A) change kit for switch or in Ivory(I) with Black(E) change kit. Wallplates sold separately.

** 3-way when used with a 3-way switch.

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Pages A62 through A66 for more application and technical information, including derating charts and wiring diagrams.

SURESLIDE DECORA SLIDE DIMMERS & FAN SPEED CONTROLS

The Leviton SureSlide™ line of smooth-action, full-range slide controls offers easy, precise operation.

SPECIFICATIONS & FEATURES

Operation & Function

- Permanently-mounted smooth-action integrated linear slide control for easy, precise operation
- Single-pole (one location) and multi-location lighting control when used with a 3-way switch (preset models only)
- Low-end trim adjustment for precise lamp brightness and fan speed at the low-end settings (preset models only)
- Optional-use Locator LED, which may be bypassed (several models)
- Built-in radio/TV interference filter
- Specially designed to work with Philips Marathon™ (SureSlide 6668 only)
- Quiet (1.5-Amp) Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting; Full range 5-Amp fan speed controls also available

Style

- Attractive Decora styling coordinates perfectly with Leviton's complete line Decora wiring devices
- Compatible with Decora screwless and Decora standard designer wallplates
- Slim, compact housing fits easily into a standard wallbox and is suitable for multi-gang installations

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



6633-PLW



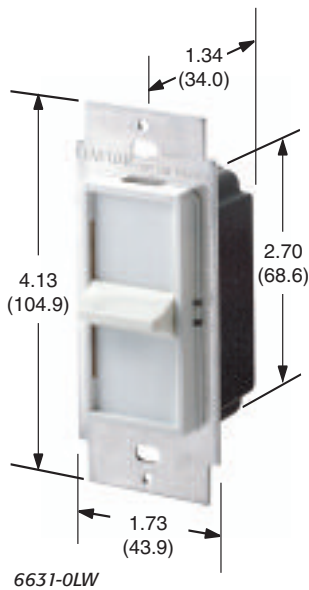
SURESLIDE • PRODUCT LISTING

Box-Mounted Lighting & Fan Speed Controls

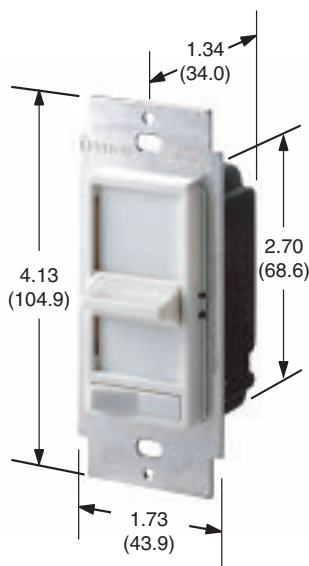
Traditional Controls Product Listing



SURESLIDE • PRODUCT LISTING



6631-OLW



6633-PLW

SURESLIDE DECORA FULL-RANGE SLIDE DIMMERS & FAN SPEED CONTROLS

Full Range Slide Dimmers

RESIDENTIAL GRADE

DESCRIPTION	LIT	SP	3-WAY***	CAT. NO.	RATING	COLOR
Incandescent Slide-to-off SureSlide Dimmer	X†	X		6631-l	600W, 120VAC 60Hz	W, I, A*
Incandescent Preset SureSlide Dimmer		X	X	6623-p	600W, 120VAC 60Hz	B**, W, I, GY, E*
Incandescent Preset SureSlide Dimmer	X†	X	X	6633-pl	600W, 120VAC 60Hz	W, I, A*
Dual Slide-to-off SureSlide Dimmer (2 loads for Incandescent or Magnetic Low-Voltage)		X		6628	300W or 300VA per circuit; 600W/600VA total, 120VAC 60Hz	W, I, A, GY*
Magnetic Low-Voltage Preset SureSlide Dimmer		X		6611-p	600VA (450W), 120VAC 60Hz	B**, W, I, A, GY, E*
Magnetic Low-Voltage Preset SureSlide Dimmer	X†	X	X	6613-pl	600VA (450W), 120VAC 60Hz	W, I, A,
Electronic Low-Voltage SureSlide Dimmer		X	X	6615-p	300W	W
Advance Mark 10 Powerline/ Philips Marathon™ Slide-to-off SureSlide Dimmer		X		6668	Mark 10–500W 120V, Philips Marathon–350W 120V, 120VAC 60Hz	W, I*

Fan Speed Controls

RESIDENTIAL GRADE

DESCRIPTION	SP	3-WAY***	CAT. NO.	RATING	COLOR
Full-Range Slide-to-off SureSlide	X		6627-1	5A, 120VAC 60Hz	B**, W, I*
Full-Range Preset SureSlide	X		6627-p	5A, 120VAC 60Hz	B**, W, I, A, GY*
Full-Range Preset SureSlide	X	X	6637-p	5A, 120VAC 60Hz	W, I, A*
Quiet Step Preset SureSlide	X		6629-p	1.5A, 120VAC 60Hz	W, I, A, GY*
Quiet Step Preset SureSlide	X	X	6629-3	1.5A, 120VAC 60Hz	W, I, A*
Dual Slide-to-off Quiet Fan Speed and Fixture SureSlide Dimmer	X		6630	1.5A Fan / 300W Fixture, 120VAC 60Hz	W, I, A, GY*

* Add suffix to basic catalog number as follows: White (-W), Ivory (-I), and Almond (-A), Gray (-GY), Black (-E).

** Basic catalog number denotes brown (B). *** 3-way with 3 way switch.

† Optional-use Locater LED

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Page A62 for derating chart.

CAUTION ON RETROFITS: When retrofitting Mark 10 Powerline dimming ballasts into fixtures that originally had Instant Start ballasts, the sockets MUST be replaced with Rapid Start sockets to allow proper dimmer operation and prevent damage to the dimming ballast. Refer to the instructions provided with the ballast and the Leviton Mark 10 dimmer.

TRIMATRON DELUXE FULL-RANGE ROTARY LIGHTING CONTROLS

SPECIFICATIONS & FEATURES

- Quiet Fan Speed Controls are ideal for libraries, study rooms and any area where ceiling fan noise could become distracting; Full range 5-amp fan speed controls also available
- Wire leads provided for fast, easy assembly and wiring
- Built-in radio/TV interference filter
- Use with Leviton standard toggle-switch wallplates; easily gangable

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified (most models)
- Backed by a Limited Five-Year Warranty



6681-W

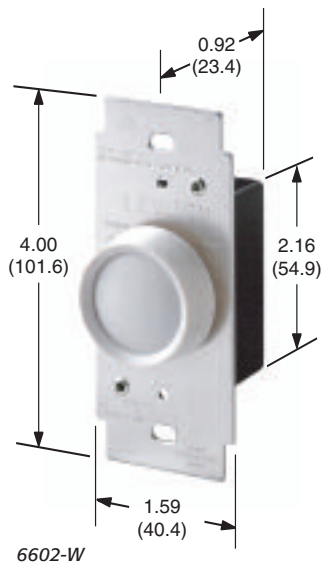


Box-Mounted Lighting & Fan Speed Controls

Traditional Controls Product Listing



TRIMATRON • PRODUCT LISTING



TRIMATRON ROTARY DIMMERS & FAN SPEED CONTROLS

Leviton's traditional, rotary-style Trimatron line encompasses full-range dimmers and fan speed controls. All feature an ultra-compact design that fits in the tightest single-gang wallboxes and are also suitable for multi-gang installations.

Deluxe Rotary Controls

DESCRIPTION	SP	3-WAY†	CAT. NO.	RATING	COLOR	RESIDENTIAL GRADE
Incandescent Trimatron Rotary Dimmer (push on/off)	X		6681	600W, 120VAC 60Hz	W, I, A*	
Incandescent Trimatron Rotary Dimmer (push on/off)	X	X	6683	600W, 120VAC 60Hz	W, I, A*	
Incandescent Trimatron Rotary Dimmer	X		6602	600W, 120VAC 60Hz	W, I*	
Incandescent Trimatron Rotary Dimmer**	X		6602-220	600W, 220VAC 50Hz	W*	
Full-Range Fan Speed Control	X		6616-X	5A	W, I*	
Quiet Fan Speed Control	X		6639	1.5A	W, I*	

Trimatron Dimmer Accessories

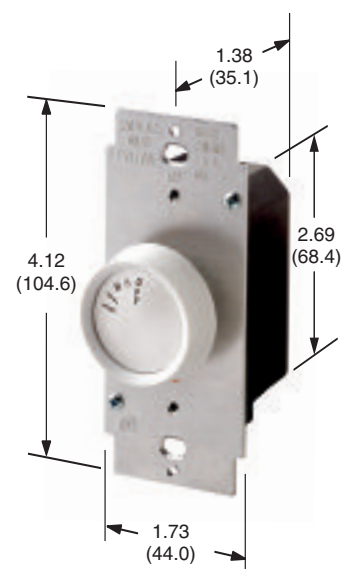
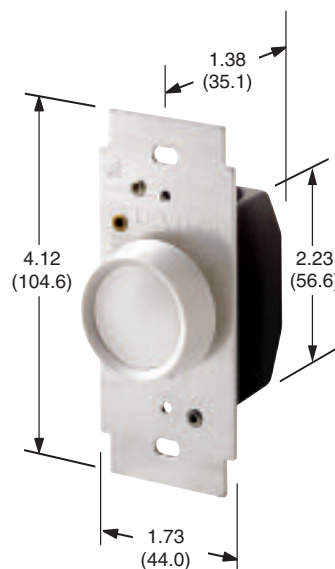
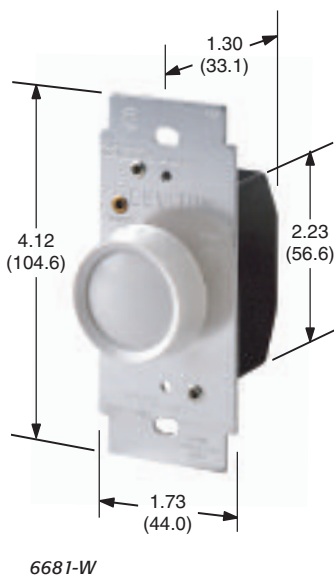
DESCRIPTION	CAT. NO.	RATING	COLOR	RESIDENTIAL GRADE
Decora Wallplate Adapter for Rotary Dimmers: enables rotary controls to be used with Decora wallplates for seamless, Decora multi-gang installations. Fits over .406" dimmer shaft (standard size)	80400	—	B, W, I, A, E*	
Dimmer Knobs (packed 25 per box)	26115	—	B***, W, I, A, E*	

† 3-way with 3-way switch.

*Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Brown (-B), Black (-E). Wallplates sold separately. **NOT UL Listed or CSA Certified *** Basic cat. no. denotes Brown (B).

NOTE: Use Leviton Power Extenders to extend the load capacity of dimmers. Leviton Power Extenders are available for incandescent, magnetic and electronic low-voltage, Advance Mark 10™ Powerline fluorescent dimming ballast or equivalents, and 0–10VDC dimmable fluorescent ballasts such as Advance Mark 7™, OSRAM Sylvania Quicktronic Helios, or equivalents. See Section H for more information on Leviton Power Extenders.

NOTE: See Page A62 for derating chart.



A

58

SPECIALTY LIGHTING CONTROLS

SPECIFICATIONS & FEATURES

Four-Level Step Dimmer

- Eliminates guesswork—user selects one of four preset lighting levels (25%, 50%, 75%, 100%)
- Easily installs in place of single-pole switch
- LED indicates selected level of brightness
- Sleek designer styling; can be ganged with other Decora devices

Lamp-Cord Dimmers

- Hi/low and full-range dimming models available
- For use with SPT-2 lamp cords
- Positive on/off action in a completely insulated plastic housing

Dimmer Socket

- Interchangeable with standard lampholder for dimmer conversion
- Eliminates the need for expensive 3-way bulbs

911 Switch

- Replaces standard single-pole switch; alerts neighbors and helps emergency personnel quickly locate site
- Standard on/off operations plus a special illuminated "FLASH" position—lights flash on and off in one-second intervals
- Sleek designer styling; can be ganged with other Decora devices

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty



6161-W



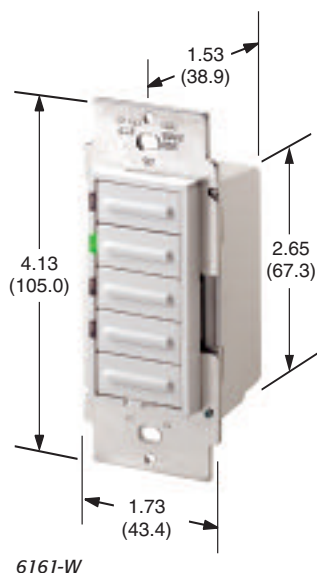
911-W



TB103-W

Box-Mounted Lighting & Fan Speed Controls

Traditional Control Product Listing



Specialty Dimmers

DESCRIPTION	CAT. NO.	RATING	RESIDENTIAL GRADE
			COLOR
Decora 4-Level Step Dimmer	6161	500W, 120VAC 60Hz Incandescent Only	W, I, A*
Hi-Lo Feed-through Lamp-Cord Dimmer	1420	200W, 120VAC 60Hz	W, I, B*
Full-Range Feed-through Lamp-Cord Dimmer	6250-3	200W, 120VAC 60Hz	B, W**
Tabletop Dimmer	tbi03	300W, 120VAC 60Hz	W

Dimmer Socket

DESCRIPTION	CAT. NO.	RATING	RESIDENTIAL GRADE
			COLOR
Full-Range Compact Dimmer Socket (1/8 I.P.S. Thread and Set Screw)	6151	150W, 120VAC 60Hz	Brass

Flasher Switch

DESCRIPTION	CAT. NO.	RATING	RESIDENTIAL GRADE
			COLOR
Decora 3-Position Emergency Flasher Rocker Switch	911	500W, 120VAC 60Hz Incandescent Only	W, I, A*

* Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Almond (-A), Brown (-B). Wallplates sold separately.

** Basic catalog number denotes brown (B). Add suffix to basic catalog number as follows: White (-W). Wallplate sold separately.

NOTE: See Page A62 for derating chart.



INCANDESCENT TOGGLE DIMMERS

SPECIFICATIONS & FEATURES

- Positive on/off action with smooth, full-range brightness control
- Built-in radio/TV interference filter
- Easy-to-install shallow design replaces standard switch in single wallbox

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Backed by a Limited Five-Year Warranty

Incandescent Dimmers

RESIDENTIAL GRADE

DESCRIPTION	LIT	SP	3-WAY	CAT. NO.	RATING	COLOR
Toggle Dimmer		X		6641	600W, 120VAC 60Hz	W, I, B*
Toggle Dimmer		X	X	6643	600W, 120VAC 60Hz	W, I, B*
Toggle Dimmer	X	X		6691	600W, 120VAC 60Hz	Clear
Toggle Dimmer	X	X	X	6693	600W, 120VAC 60Hz	Clear

* Add suffix to basic catalog number as follows: White (-W), Ivory (-I), Brown (-B). Wallplates sold separately.



6641-W in 80701-W Wallplate



6641-W



Box-Mounted Lighting & Fan Speed Controls

Traditional Controls Applications & Technical Information



UNDERSTANDING LEVITON CATALOG NUMBERS

First 2 letters - Product Name	3rd character - Type of Load	4th and 5th characters - Rating or Description	-	1st suffix character - Voltage	2nd suffix character - Lighted Status	3rd suffix character - Color
IP = IllumaTech Preset RP = Rotary Preset RT = Rotary On/Off IN = IllumaTech Non-Preset (slide-to-off)	I = Incandescent M = Magnetic Low Voltage X = Mark 10 Powerline E = Electronic Low Voltage F = Fan Speed 7 = Mark 7 0-10V 0 = NA	04 = 400W/VA 06 = 600W/VA 10 = 1000W/VA 12 = 1200W/VA 01 = 1.5 Amp 05 = 5 Amp		1 = 120V 7 = 277V D = Dual Voltage L = Lighted 0 = NA	A = Almond E = Black L = Lighted 0 = NA E = Black (ebony) 0 = NA	W = White I = Ivory A = Almond G = Gray (or GY) B = Brown

GANGING & DERATING

When ganging Leviton Traditional controls, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off. The side sections of the strap dissipate heat so removing them requires derating the dimmer's capacity. Although Leviton SureSlide™ and Trimatron® lighting controls can be ganged without removing any sections of their mounting straps they still must be derated when they're ganged.

Maximum Load per Dimmer for Multi-Ganging

CAT. NO.	SINGLE	2-GANG	>2-GANG
6161	500W	400W	300W
6602	600W	500W	400W
6611-P	600VA (450W)	500VA (375W)	400VA (300W)
6613-P	600VA (450W)	500VA (375W)	400VA (300W)
6615-P	300W	300W	250W
6616-X	5A	4.1A	3.3A
6623	600W	500W	400W
6627	5A	4.1A	3.3A
6628	600W/VA total	500W/VA total	400W/VA total
6629	1.5A	1.5A	1.5A
6630	300W/1.5A	300W/1.5A	300W/1.5A
6631	600W	500W	400W
6633	600W	500W	400W
6637	5A	4.1A	3.3A
6639	1.5A	1.5A	1.5A
6668*	500W/350W	400W/300W	400W/300W
6681	600W	500W	400W
6683	600W	500W	400W
911	500W	400W	300W
INI06-10	600W	500W	400W
INI06-1L	600W	500W	400W
INI10-1L	1000W	800W	700W
INM06-1L	600VA (450W)	500VA (375W)	400VA (300W)
INM10-1L	1000VA (800W)	800VA (640W)	700VA (560W)
IP710-DAW**	1200VA/1500VA	1200VA/1500VA	1200VA/1500VA
IPE04-LAW	400VA (320W)	350VA (280W)	250VA (200W)
IPF01-LAW	1.5A	1.5A	1.5A
IPF05-LAW	5A	4.1A	3.3A
IPI06-LEI	600W	500W	400W
IPI06-1LM	600W	500W	400W
IPI10-LEI	1000W	800W	700W
IPM06-LAW	600VA (450W)	500VA (375W)	400VA (300W)
IPM10-LAW	1000VA (800W)	800VA (640W)	700VA (560W)
IPX06-1AW	600VA	500VA	400VA
IPX06-7AW	600VA	600VA	600VA
IPX10-1AW	1000VA	800VA	700VA
IPX12-7AW	1200VA	1200VA	1200VA
RPI06-10	600W	500W	400W
RPI06-1L	600W	500W	400W
RTD01-10	300W/1.5A	300W/1.5A	300W/1.5A

* Mark 10/Philips Marathon ** 120V/277V

BALLAST LIMITATIONS

Number of Advance Transformer Mark 10™ Powerline Dimmable Ballasts per 600VA 120V (IPX06-1AW) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	19	16	13
REZ-1T32	CFM32W/GX24Q	16	13	10
REZ-1T42	CFM42W/GX24Q	12	10	8
REZ-2Q26	CFQ26W/G24Q	10	9	7
REZ-132	F25T8	19	16	13
REZ-2S32	F25T8	10	8	7
REZ-3S32	F25T8	7	6	5
REZ-132	F32T8	17	14	11
REZ-2S32	F32T8	8	7	6
REZ-3S32	F32T8	6	5	4
REZ-1TTS40	FT40W/2G11	15	12	10
REZ-2TTS40	FT40W/2G11	7	6	5

Number of Advance Transformer Mark 10™ Powerline Dimmable Ballasts per 1000VA 120V (IPX10-1AW) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	32	26	22
REZ-1T32	CFM32W/GX24Q	26	21	18
REZ-1T42	CFM42W/GX24Q	20	16	14
REZ-2Q26	CFQ26W/G24Q	17	14	12
REZ-132	F25T8	32	26	22
REZ-2S32	F25T8	17	13	12
REZ-3S32	F25T8	11	9	8
REZ-132	F32T8	28	22	19
REZ-2S32	F32T8	14	11	10
REZ-3S32	F32T8	9	8	7
REZ-1TTS40	FT40W/2G11	25	20	17
REZ-2TTS40	FT40W/2G11	12	10	9

Number of Advance Transformer Mark 10™ Powerline Dimmable Ballasts per 600VA 277V (IPX06-7AW) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
VEZ-1T32	CFM26W/GX24Q	20	20	20
VEZ-1T32	CFM32W/GX24Q	15	15	15
VEZ-1T42	CFM42W/GX24Q	12	12	12
VEZ-2Q26	CFQ26W/G24Q	10	10	10
VEZ-132	F25T8	20	20	20
VEZ-2S32	F25T8	10	10	10
VEZ-3S32	F25T8	7	7	7
VEZ-132	F32T8	17	17	17
VEZ-2S32	F32T8	8	8	8
VEZ-3S32	F32T8	6	6	6
VEZ-1TTS40	FT40W/2G11	14	14	14
VEZ-2TTS40	FT40W/2G11	7	7	7

Number of Advance Transformer Mark 10™ Powerline Dimmable Ballasts per 1200VA 277V (IPX12-7AW) dimmer

Advance Mark 10™ Part. No.	Lamp	Max. # Ballasts/Dimmer for Multi-gang installation		
		Single Gang	Two Ganged	More than 2 Gang
VEZ-1T32	CFM26W/GX24Q	39	39	39
VEZ-1T32	CFM32W/GX24Q	31	31	31
VEZ-1T42	CFM42W/GX24Q	24	24	24
VEZ-2Q26	CFQ26W/G24Q	21	21	21
VEZ-132	F25T8	39	39	39
VEZ-2S32	F25T8	20	20	20
VEZ-3S32	F25T8	14	14	14
VEZ-132	F32T8	33	33	33
VEZ-2S32	F32T8	17	17	17
VEZ-3S32	F32T8	11	11	11
VEZ-1TTS40	FT40W/2G11	29	29	29
VEZ-2TTS40	FT40W/2G11	14	14	14

Box-Mounted Lighting & Fan Speed Controls

Traditional Controls Technical Information



Number of Advance Transformer Mark 7™ 0-10V Dimmable Ballasts per 1200/1500VA 120/277V (IP710-DAW) dimmer

Advance Mark 7™ Part No.	Lamp	Max. # of Ballasts/Dimmer for Multi-gang (with OSP power pack)		
		Voltage	1200VA @ 120V	1500VA @ 277V
RZT-I32	F25T8	120	47 (50)	N/A
RZT-2S32	F25T8	120	23 (41)	N/A
RZT-3S32	F25T8	120	15 (28)	N/A
RZT-132	F32T8	120	35 (50)	N/A
RZT-2S32	F32T8	120	18 (36)	N/A
RZT-3S32	F32T8	120	12 (24)	N/A
RZT-1TTS40	FT40W/2G11	120	31 (50)	N/A
VZT-4S32	F17T8	277	N/A	21 (50)
VZT-132	F25T8	277	N/A	50 (50)
VDC-2S32-TP	F25T8	277	N/A	31 (50)
VZT-2S32	F25T8	277	N/A	30 (50)
VZT-3S32	F25T8	277	N/A	19 (50)
VZT-4S32	F25T8	277	N/A	15 (45)
VZT-132	F32T8	277	N/A	45 (50)
VDC-2S32-TP	F32T8	277	N/A	24 (50)
VZT-2S32	F32T8	277	N/A	22 (50)
VZT-3S32	F32T8	277	N/A	15 (45)
VZT-4S32	F32T8	277	N/A	12 (26)
1T42-M2-BS@120	CFM26W/GX24Q	120-277	40 (50)	N/A
1T42-M2-BS@277	CFM26W/GX24Q	120-277	N/A	49 (50)
1T42-M2-LD@120	CFM26W/GX24Q	120-277	40 (50)	N/A
1T42-M2-LD@277	CFM26W/GX24Q	120-277	N/A	49 (50)
2Q26-M2-BS@120	CFM26W/GX24Q	120-277	20 (40)	N/A
2Q26-M2-BS@277	CFM26W/GX24Q	120-277	N/A	25 (50)
2Q26-M2-LD@120	CFM26W/GX24Q	120-277	20 (40)	N/A
2Q26-M2-LD@277	CFM26W/GX24Q	120-277	N/A	25 (50)
1T42-M2-BS@120	CFM32W/GX24Q	120-277	30 (50)	N/A
1T42-M2-BS@277	CFM32W/GX24Q	120-277	N/A	38 (50)
1T42-M2-LD@120	CFM32W/GX24Q	120-277	30 (50)	N/A
1T42-M2-LD@277	CFM32W/GX24Q	120-277	N/A	38 (50)
2T42-M3-BS@120	CFM32W/GX24Q	120-277	15 (20)	N/A
2T42-M3-BS@277	CFM32W/GX24Q	120-277	N/A	20 (50)
2T42-M3-LD@120	CFM32W/GX24Q	120-277	15 (20)	N/A
2T42-M3-LD@277	CFM32W/GX24Q	120-277	N/A	20 (50)
1T42-M2-BS@120	CFM42W/GX24Q	120-277	23 (46)	N/A
1T42-M2-BS@277	CFM42W/GX24Q	120-277	N/A	30 (50)
1T42-M2-LD@120	CFM42W/GX24Q	120-277	23 (46)	N/A
1T42-M2-LD@277	CFM42W/GX24Q	120-277	N/A	30 (50)
2T42-M3-BS@120	CFM42W/GX24Q	120-277	12 (24)	N/A
2T42-M3-BS@277	CFM42W/GX24Q	120-277	N/A	15 (45)
2T42-M3-LD@120	CFM42W/GX24Q	120-277	12 (24)	N/A
2T42-M3-LD@277	CFM42W/GX24Q	120-277	N/A	15 (45)
1T42-M2-BS@120	CFQ26W/G24Q	120-277	40 (50)	N/A

Number of OSRAM Sylvania *Quicktronic* Dimmable Ballasts per 1200/1500VA 120/277V (IP710-DAW) dimmer

OSRAM Sylvania Quicktronic Helios Part No.	Lamp	Max. # of Ballasts/Dimmer for Multi-gang (with OSP power pack)		
		Voltage	1200VA @ 120V	1500VA @ 277V
QTP1x32T8/120 Dim5-B	F17T8	120	50 (50)	N/A
QTP1x32T8/120 Dim5-B	FBO16T8	120	50 (50)	N/A
QTP1x32T8/120 Dim5-B	F25T8	120	43 (50)	N/A
QTP1x32T8/120 Dim5-B	FBO24T8	120	45 (50)	N/A
QTP1x32T8/120 Dim5-B	F32T8	120	37 (50)	N/A
QTP1x32T8/120 Dim5-B	FBO32T8/U/	120	37 (50)	N/A
QTP1x32T8/120 Dim5-B	FBO31T8/U	120	38 (50)	N/A
QTP2x32T8/120 Dim5-B	F32T8	120	17 (34)	N/A
QTP2x32T8/120 Dim5-B	FBO32T8/U/	120	17 (34)	N/A
QTP2x32T8/120 Dim5-B	FBO31T8/U	120	18 (36)	N/A
QTP3x32T8/120 Dim5-Q	F32T8	120	12 (24)	N/A
QTP3x32T8/120 Dim5-Q	FBO32T8/U/	120	12 (24)	N/A
QTP3x32T8/120 Dim5-Q	FBO31T8/U	120	13 (26)	N/A
QTP4x32T8/120 Dim10-B	F32T8	120	9 (18)	N/A
QTP4x32T8/120 Dim10-B	FBO32T8/U/	120	9 (18)	N/A
QTP4x32T8/120 Dim10-B	FBO31T8/U	120	9 (18)	N/A
QTP1x32T8/277 Dim5-B	F17T8	277	N/A	50 (50)
QTP1x32T8/277 Dim5-B	FBO16T8	277	N/A	50 (50)
QTP1x32T8/277 Dim5-B	F25T8	277	N/A	50 (50)
QTP1x32T8/277 Dim5-B	FBO24T8	277	N/A	50 (50)
QTP1x32T8/277 Dim5-B	F32T8	277	N/A	45 (50)
QTP1x32T8/277 Dim5-B	FBO32T8/U/	277	N/A	45 (50)
QTP1x32T8/277 Dim5-B	FBO31T8/U	277	N/A	45 (50)
QTP2x32T8/277 Dim5-B	F32T8	277	N/A	21 (21)
QTP2x32T8/277 Dim5-B	FBO32T8/U/	277	N/A	21 (21)
QTP2x32T8/277 Dim5-B	FBO31T8/U	277	N/A	22 (22)
QTP3x32T8/277 Dim5-Q	F32T8	277	N/A	15 (15)
QTP3x32T8/277 Dim5-Q	FBO32T8/U/	277	N/A	15 (15)
QTP3x32T8/277 Dim5-Q	FBO31T8/U	277	N/A	16 (16)
QTP4x32T8/277 Dim10-B	F32T8	277	N/A	9 (9)
QTP4x32T8/277 Dim10-B	FBO32T8/U/	277	N/A	9 (9)
QTP4x32T8/277 Dim10-B	FBO31T8/U	277	N/A	10 (10)
QT1x54/120PHO-Dim	FP54T5HO	120	18 (36)	N/A
QT2x54/120PHO-Dim	FP54T5HO	120	9 (18)	N/A
QT1x54/120PHO-Dim	FT55DL	120	19 (38)	N/A
QT2x54/120PHO-Dim	FT55DL	120	10 (20)	N/A
QT1x54/120PHO-Dim	FPC55	120	19 (38)	N/A
QT2x54/120PHO-Dim	FPC55	120	10 (20)	N/A
QT1x54/277PHO-Dim	FP54T5HO	277	N/A	23 (50)
QT2x54/277PHO-Dim	FP54T5HO	277	N/A	12 (12)
QT1x54/277PHO-Dim	FT55DL	277	N/A	24 (50)
QT2x54/277PHO-Dim	FT55DL	277	N/A	12 (12)
QT1x54/277PHO-Dim	FPC55	277	N/A	24 (50)
QT2x54/277PHO-Dim	FPC55	277	N/A	12 (12)

Box-Mounted Lighting & Fan Speed Controls

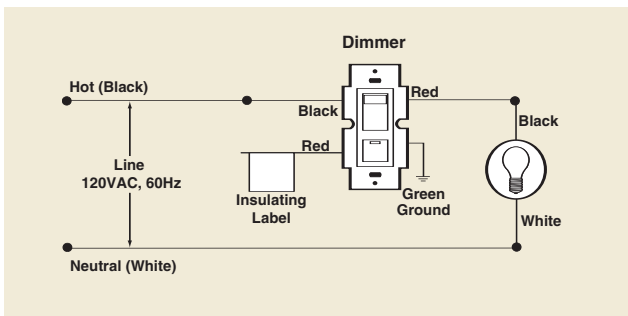
Traditional Controls Technical Information



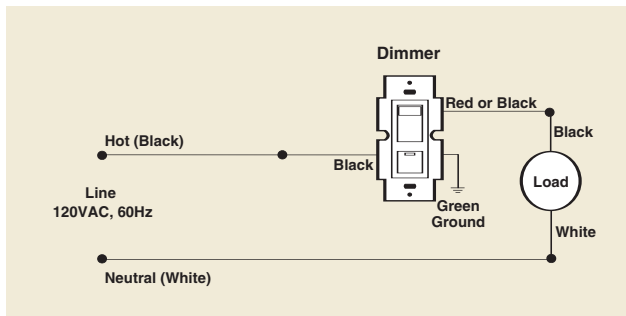
WIRING DIAGRAMS

Leviton is changing the wiring configuration on the IllumaTech line of dimmers. Both the old and new configurations are shown here because either configuration may be available for some time. The appropriate wiring diagrams for each device will appear on the instruction sheet inside the package itself.

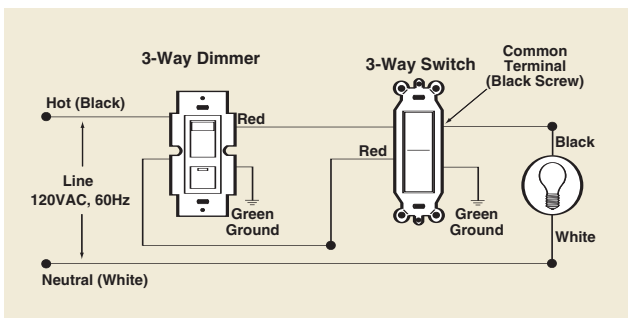
Single-Location Control Application (new wiring configuration)



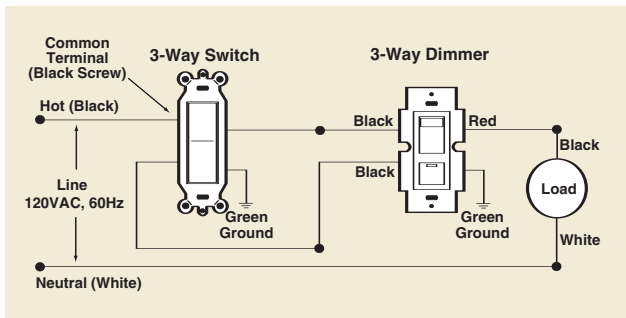
Single-Location Control Application (old wiring configuration)



Two-Location Control Application (new wiring configuration)



Two-Location Control Application (old wiring configuration)







Wallplates

B
SECTION



Leviton offers an extensive selection of wallplates that are ideal for use with box-mounted lighting and fan speed controls in both residential and commercial settings. The Leviton offering includes plastic, high-abuse nylon and satin-finish metal plates in standard-size, midway, and oversized versions; the newly redesigned screwless Decora Plus wallplate; and screwless Acenti™ wallplates in eight designer finishes. With up to eight colors and six metal finishes from which to choose, there's a Leviton wallplate to complement every décor.

DECORA® STYLE



Decora Plus Screwless Snap-On Wallplates

Contemporary styling enhances any décor. Exclusive screwless sub-plate design. Impact-resistant polycarbonate construction.

PAGE B3



Decora Nylon & Metal Wallplates

Standard size metal plates with stand abuse in commercial settings. Smooth finish, rounded edges, with screws painted to match face.

PAGE B4



Decora Plastic Wallplates

Sleek styling with smooth face and rounded edges. Available in a wide variety of colors. Fit all Decora devices.

PAGE B5



Midway-Size Nylon & Plastic Wallplates

Mount on larger outlet boxes and to hide wall imperfections. 0.375 inches higher and wider than standard plates.

PAGE B6



Oversized Plastic & Metal Wallplates

Even larger than Midway to hide greater wall irregularities. A full 0.75 inches higher and wider than standard plates.

PAGE B7

TOGGLE SWITCH



Nylon & Metal Wallplates

Satin-finish metal and nylon wallplates withstand abuse. Feature round edges in 6 metal finishes. Plastic plates in 7 colors.

PAGE B9



Plastic Wallplates

Resist fading, grease, solvents, etc. Available in a wide variety of colors.

PAGE B10



Midway-Size Nylon & Plastic Wallplates

Mount on larger outlet boxes and to hide wall imperfections. 0.375 inches higher and wider than standard plates.

PAGE B11



Oversized Plastic & Metal Wallplates

Even larger than Midway to hide greater wall irregularities. A full 0.75 inches higher and wider than standard plates.

PAGE B12



ACENTI™

Acenti™ Wallplates

These screwless, snap-on wallplates coordinate and match perfectly with Acenti lighting controls. In 7 premium colors plus brushed stainless steel.

PAGE B13

For more information on Leviton's complete line of residential, commercial and industrial wallplates, including custom wallplate configurations and weather-resistant covers, please see Leviton's L-504 Catalog.

Wallplates

Decora Wallplate Overview



DECORA[®] STYLE WALLPLATES

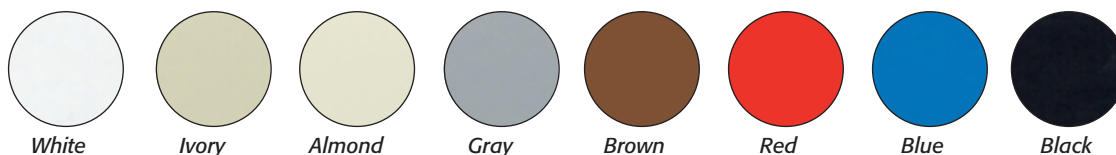
Leviton Decora-style wallplates are designed for use with Decora[®] style box-mounted lighting and fan speed controls in both residential and commercial settings. Our extensive selection includes the newly redesigned Decora Plus—a truly screwless wallplate—as well as wallplates ranging in three sizes constructed from nylon, plastic, (polished and unpolished) brass, chrome, aluminum, or stainless steel.

NOTE: This section presents the most popular wallplates for the lighting control devices presented in this catalog. For a full listing of all Leviton wallplates, consult Leviton's L-504 catalog.



- **Noncombustible**
- **Easy to clean**
- **Available in single- and multiple-gang varieties**
- **Made from polycarbonate, nylon, plastic, unpolished brass, polished brass, chrome, aluminum, or stainless steel (2 grades available)**
- **For industrial, commercial, and residential use**
- **With metal mounting screws that match plate color —screwless wallplates also available**
- **UL Listed and CSA Certified**
- **Conform to NEMA and ANSI Standards**

Standard Colors



Also available in chrome, aluminum, brass, polished brass, and stainless steel finishes.

Note: Dimensions in parenthesis are millimeters; all other dimensions are inches.

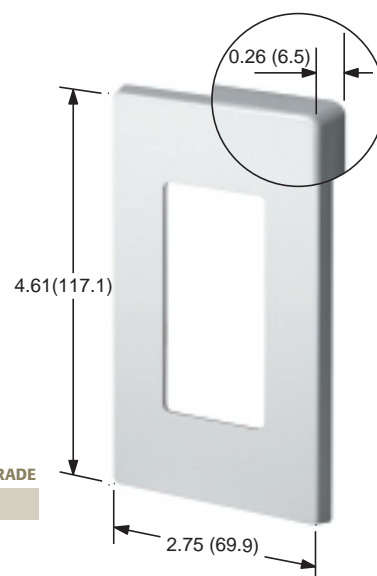
DECORA[®] PLUS SCREWLESS SNAP-ON WALLPLATES

SPECIFICATIONS & FEATURES

- Seamless, smooth contemporary architectural styling enhances fine décor
- Exclusive new design eliminates sub-plate screws
- "Hook and Snap" sub-plate and wallplate mounting for quick and easy installation
- Decora-compatible two-piece kit allows easy retrofit to any Decora[®] installation
- Tough, unbreakable polycarbonate construction

TESTING & CODE COMPLIANCE







- UL Listed and CSA Certified
- Meet NEMA Standards WD-1, WD-6
- Backed by a Limited Ten-Year Warranty



80301-SW

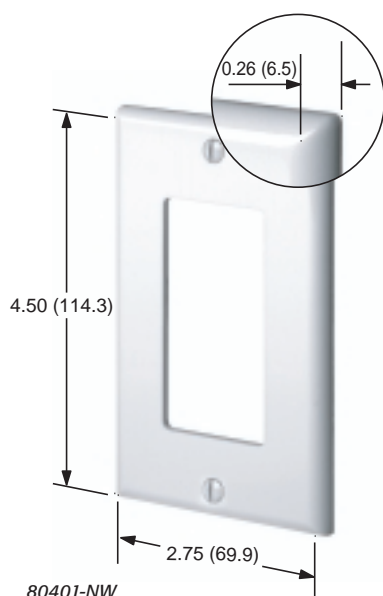
Screwless Snap-On Wallplates

COMMERCIAL GRADE

DESCRIPTION		COLOR	CAT. NO.
1-GANG		White Ivory Almond Gray Brown Black	80301-SW 80301-SI 80301-SA 80301-SGY 80301-S 80301-SE
2-GANG		White Ivory Almond Gray Brown Black	80309-SW 80309-SI 80309-SA 80309-SGY 80309-S 80309-SE
3-GANG		White Ivory Almond Black	80311-SW 80311-SI 80311-SA 80311-SE
4-GANG		White Ivory Almond Black	80312-SW 80312-SI 80312-SA 80312-SE
5-GANG		White Ivory Almond	80321-SW 80321-SI 80321-SA
6-GANG		White Ivory Almond	80326-SW 80326-SI 80326-SA

Wallplates

Decora Wallplate Product Listing



80401-NW

DECORA[®] NYLON & METAL WALLPLATES (STANDARD SIZE)

SPECIFICATIONS & FEATURES

- Resist dust accumulation with Decora's smooth face and rounded edges
- Includes metal mounting screws that match plate color/finish

Nylon Wallplates

- Molded nylon for maximum resistance to impact, abrasion, grease, oils, acids, moisture, fading, and discoloration
- Resistant to mechanical stress associated with high abuse applications

Satin-Finish Metal Wallplates

- Round edges prevent injury and wall damage
- Resistant to corrosive effects of sunlight and moisture
- Deluxe Stainless Steel is non-magnetic Type 302, .032" thick; Standard Stainless Steel is Type 430, .032" thick
- Brass is 70/30 alloy 260, .042" thick; Aluminum is 3004 alloy, .040" thick

TESTING & CODE COMPLIANCE



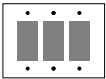
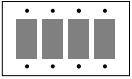
- UL Listed and CSA Certified
- Meet NEMA Standards WD-1, WD-6 (nylon); Meet NEMA and ANSI standards (metal)
- Nylon wallplates backed by a Limited Ten-Year Warranty

Decora Standard Size Wallplates

Nylon

Metal

COMMERCIAL GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	METAL	CAT. NO.	IND. NO.
1-GANG 	WHITE	80401-NW	N26-W	CHROME	*	—
	IVORY	80401-NI	N26-I	ALUM	83401	A26
	ALMOND	80401-NA	N26-A	BRASS	81401	B26
	GRAY	80401-NGY	N26-GRY	POL BRASS	81401-PB	—
	BROWN	80401-N	N26	430 S/S	*	—
	RED	80401-NR	N26-RED	302 S/S	84401-40	S26-N
	BLUE	80401-NB	N26-BU			
	BLACK	80401-NE	—			
2-GANG 	WHITE	80409-NW	N262-W	CHROME	*	—
	IVORY	80409-NI	N262-I	ALUM	83409	A262
	ALMOND	80409-NA	N262-A	BRASS	81409	B262
	GRAY	80409-NGY	N262-GRY	POL BRASS	81409-PB	—
	BROWN	80409-N	N262	430 S/S	*	—
	RED	80409-NR	N262-RED	302 S/S	84409-40	S262-N
	BLUE	80409-NB	N262-BU			
	BLACK	80409-NE	—			
3-GANG 	WHITE	80411-NW	N263-W	CHROME	*	—
	IVORY	80411-NI	N263-I	ALUM	83411	A263
	ALMOND	80411-NA	N263-A	BRASS	81411	B263
	GRAY	80411-NGY	N263-GRY	POL BRASS	81411-PB	—
	BROWN	80411-N	N263	430 S/S	*	—
				302 S/S	84411-40	S263-N
4-GANG 	WHITE	80412-NW	N264-W	CHROME	*	—
	IVORY	80412-NI	N264-I	BRASS	81412	B264
	ALMOND	80412-NA	N264-A	430 S/S	*	—
	BROWN	80412-N	N264	302 S/S	84412-40	S264-N
5-GANG	WHITE	80423-NW	N265-W	BRASS	81423	B265
	IVORY	80423-NI	N265-I	430 S/S	*	—
	ALMOND	80423-NA	N265-A	302 S/S	84423-40	S265-N
6-GANG	WHITE	80436-NW	N266-W	BRASS	*	B266
	IVORY	80436-NI	N266-I	430 S/S	*	—
	ALMOND	80436-NA	N266-A	302 S/S	84436-40	S266-N
7-GANG				BRASS	*	B607
				430 S/S	*	—
				302 S/S	*	S607-N
8-GANG				BRASS	*	B609
				430 S/S	*	—
				302 S/S	*	S609-N

* Consult your Leviton representative for ordering details; allow 3–4 weeks for delivery.

For more technical information, call Leviton at 1-800-824-3005 or visit us online at www.leviton.com

DECORA[®] PLASTIC WALLPLATES (STANDARD SIZE)



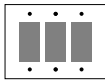
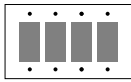
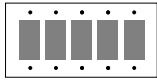
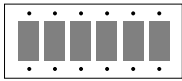
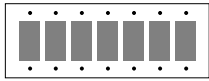
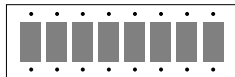
SPECIFICATIONS & FEATURES

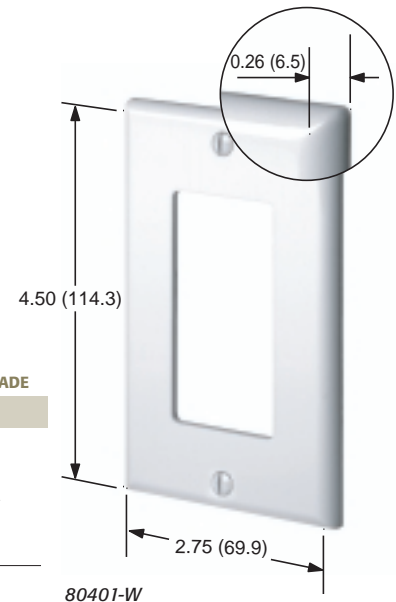
- Molded of urea or phenolic
- Designed for high dielectric strength and arc resistance
- Resistant to fading, discoloration, grease, oils, organic solvents, moisture, and scratches
- Photoelectrically color-matched to Leviton devices
- Includes metal mounting screws that match plate color

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA and ANSI standards

Decora Standard Size Wallplates, Plastic

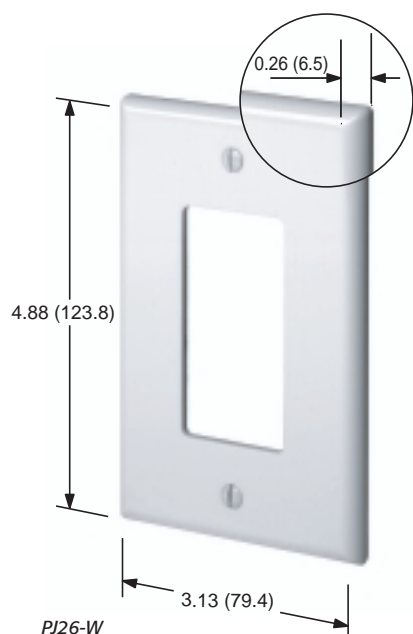
		RESIDENTIAL GRADE		
DESCRIPTION		COLOR	CAT. NO.	IND. NO.
1-GANG		WHITE IVORY ALMOND GRAY BROWN BLACK	80401-W 80401-I 80401-A 80401-GY 80401 80401-E	P26-W P26-I P26-A P26-GRY P26 P26-BK
2-GANG		WHITE IVORY ALMOND GRAY BROWN BLACK	80409-W 80409-I 80409-A 80409-GY 80409 80409-E	P262-W P262-I P262-A P262-GRY P262 262-BK
3-GANG		WHITE IVORY ALMOND GRAY BROWN BLACK	80411-W 80411-I 80411-A 80411-GY 80411 80411-E	P263-W P263-I P263-A 263-GRY P263 P263-BK
4-GANG		WHITE IVORY ALMOND GRAY BROWN BLACK	80412-W 80412-I 80412-A 80412-GY 80412 80412-E	P264-W P264-I P264-A P264-GRY P264 P264-BK
5-GANG		WHITE IVORY ALMOND GRAY BROWN BLACK	80423-W 80423-I 80423-A 80423-GY 80423 80423-E	P265-W P265-I P265-A P265-GRY P265 P265-BK
6-GANG		WHITE IVORY ALMOND GRAY BROWN BLACK	80436-W 80436-I 80436-A 80436-GY 80436 80436-E	P266-W P266-I P266-A P266-GRY P266 P266-BK
7-GANG		WHITE IVORY	80407-W [†] 80407-I [†]	S607-W S607-I
8-GANG		WHITE IVORY	80408-W [†] 80408-I [†]	S609-W S609-I



[†] Painted metal wallplate

Wallplates

Decora Wallplate Product Listing



MIDWAY-SIZE NYLON & PLASTIC WALLPLATES

SPECIFICATIONS & FEATURES

- 1/4" deep for a clean fit: a full 0.375" higher and wider than standard wallplates
- Extra long mounting screws accommodate greater depth and cover wall damage
- May be mounted onto larger volume outlet boxes and/or used to hide wall irregularities

Nylon Wallplates

- Molded nylon for maximum resistance to impact, abrasion, grease, oils, acids, moisture, fading, and discoloration
- Resistant to mechanical stress associated with high abuse applications



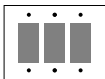
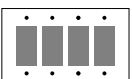
Plastic Wallplates

- Molded of urea or phenolic
- Designed for high dielectric strength and arc resistance
- Resistant to fading, discoloration, grease, oils, organic solvents, moisture, and scratches
- Photoelectrically color-matched to Leviton devices

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA and ANSI standards
- Nylon wallplates backed by a Limited Ten-Year Warranty

Midway Size Wallplates Nylon

DESCRIPTION	COLOR	CAT. NO.	COMMERCIAL GRADE		COLOR	CAT. NO.	RESIDENTIAL GRADE	
			IND. NO.				IND. NO.	
1-GANG 	WHITE IVORY ALMOND GRAY BROWN BLUE BLACK	PJ26-W PJ26-I PJ26-A PJ26-GY PJ26 PJ26-BU PJ26-E	— — — — — — —		WHITE IVORY ALMOND GRAY BROWN	80601-W 80601-I 80601-A 80601-GY 80601	SPJ26-W SPJ26-I SPJ26-A SPJ26-GY SPJ26	
2-GANG 	WHITE IVORY ALMOND GRAY BROWN RED BLACK	PJ262-W PJ262-I PJ262-A PJ262-GY PJ262 PJ262-R PJ262-E	— — — — — — —		WHITE IVORY ALMOND GRAY BROWN	80609-W 80609-I 80609-A 80609-GY 80609	SPJ262-W SPJ262-I SPJ262-A SPJ262-GY SPJ262	
3-GANG 	WHITE IVORY ALMOND GRAY	PJ263-W PJ263-I PJ263-A PJ263-GY	— — — —		WHITE IVORY ALMOND	80611-W 80611-I 80611-A	SPJ263-W SPJ263-I SPJ263-A	
4-GANG 	WHITE IVORY ALMOND GRAY	PJ264-W PJ264-I PJ264-A PJ264-GY	— — — —		WHITE IVORY ALMOND	80612-W 80612-I 80612-A	SPJ264-W SPJ264-I SPJ264-A	

OVERSIZED PLASTIC & METAL WALLPLATES

SPECIFICATIONS & FEATURES

- 0.75 inches higher and wider than standard wallplates
- May be mounted onto larger volume outlet boxes
- Conceal more extensive wall irregularities than do Midway wallplates

Plastic Wallplates

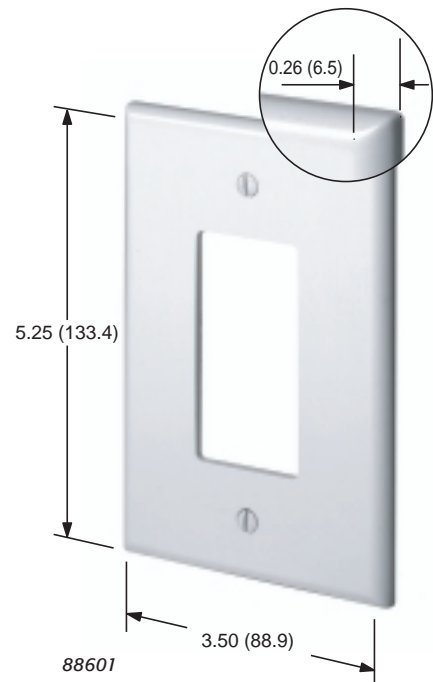
- Molded of urea or phenolic
- Designed for high dielectric strength and arc resistance
- Resistant to fading, discoloration, grease, oils, organic solvents, moisture, and scratches
- Photoelectrically color-matched to Leviton devices

Satin-Finish Metal Wallplates

- Round edges prevent injury and wall damage
- Resistant to corrosive effects of sunlight and moisture
- Deluxe Stainless Steel is non-magnetic Type 302, .032" thick; Standard Stainless Steel is Type 430, .032" thick
- Brass is 70/30 alloy 260, .042" thick; Aluminum is 3004 alloy, .040" thick



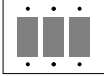
TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA and ANSI standards




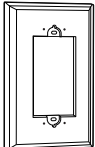
Oversized Wallplates

Plastic

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	Metal		
				METAL	CAT. NO.	COMMERCIAL GRADE IND. NO.
1-GANG 	WHITE	88601	PO26-W	430 S/S	*	—
	IVORY	86601	PO26-I	302 S/S	SO26	SO26
	ALMOND	82601	PO26-A			
2-GANG 	WHITE	88602	PO262-W	430 S/S	*	—
	IVORY	86602	PO262-I	302 S/S	SO262	SO262
	ALMOND	82602	PO262-A			
3-GANG 	—	—	—	430 S/S	*	—
				302 S/S	SO263	SO263

*Consult your Leviton representative for ordering details: allow 3–4 weeks for delivery.

Plastic Wallplate Adapters

DESCRIPTION		COLOR	CAT. NO.
DIMMER SHAFT .406" dia. Hole Allows use of rotary dimmers in Decora installations 		WHITE	80400-W
		IVORY	80400-I
		ALMOND	80400-A
		GRAY	80400-GY
		BROWN	80400
		BLACK	80400-E
WALLBOX ADAPTER Extends shallow wallbox to fit GFCI/Decora devices 		WHITE	6197-W
		IVORY	6197-I
		ALMOND	6197-A

Wallplates

Toggle Switch Wallplate Overview



TOGGLE SWITCH WALLPLATES

Leviton offers a broad range of wallplates suited for use with toggle-style and traditional rotary dimmers in both residential and commercial settings. This extensive selection includes high-abuse nylon, plastic, brass (polished and unpolished), chrome, aluminum, and stainless steel wallplates in three sizes.

NOTE: This section presents the most popular wallplates for the lighting control devices presented in this catalog. For a full listing of all Leviton wallplates, consult Leviton's L-504 catalog.



- **Noncombustible**
- **Easy to clean**
- **Available in single- and multiple-gang varieties**
- **Made from polycarbonate, nylon, plastic, unpolished brass, polished brass, chrome, aluminum, or stainless steel (2 grades available)**
- **For industrial, commercial, and residential use**
- **With metal mounting screws that match plate color (wrapped in a separate envelope to protect plate from scratches)**
- **UL Listed and CSA Certified**
- **Conform to NEMA and ANSI Standards**

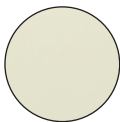
Available Colors



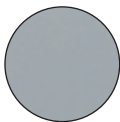
White



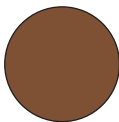
Ivory



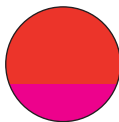
Almond



Gray



Brown



Red



Black

Also available in chrome, aluminum, brass, polished brass, and stainless steel finishes.

NYLON & METAL WALLPLATES (STANDARD SIZE)

SPECIFICATIONS & FEATURES

- For use with toggle-style and traditional rotary dimmers
- Resist dust accumulation with Decora's smooth face and rounded edges
- Includes metal mounting screws that match plate color/finish

Nylon Wallplates

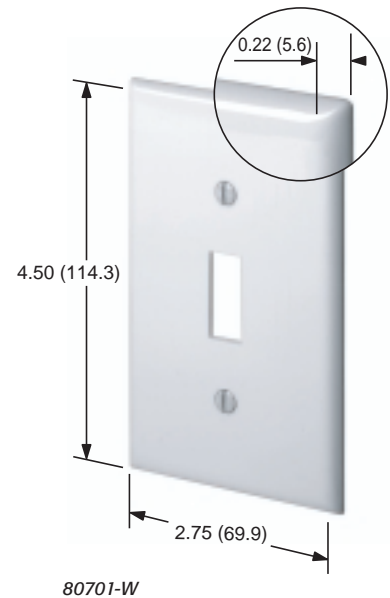
- Molded nylon for maximum resistance to impact, abrasion, grease, oils, acids, moisture, fading, and discoloration
- Resistant to mechanical stress associated with high abuse applications

Satin-Finish Metal Wallplates

- Round edges prevent injury and wall damage
- Resistant to corrosive effects of sunlight and moisture
- Deluxe Stainless Steel is non-magnetic Type 302, .032" thick; Standard Stainless Steel is Type 430, .032" thick
- Brass is 70/30 alloy 260, .042" thick; Aluminum is 3004 alloy, .040" thick
- 7-, 8-, 9-, and 10-gang wallplates also available (See L-504 catalog)



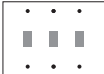
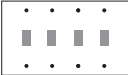

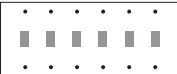
TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA Standards WD-1, WD-6 (nylon); Meet NEMA and ANSI standards (metal)
- Nylon wallplates backed by a Limited Ten-Year Warranty



Standard Size Wallplates

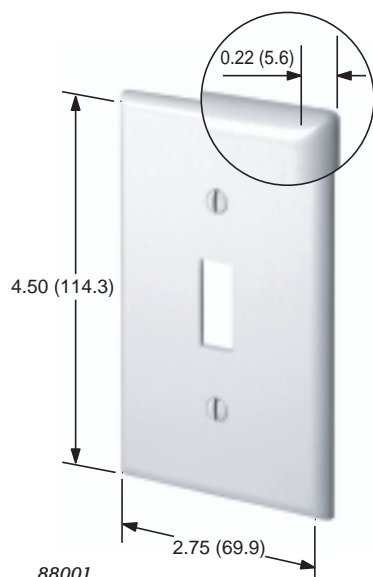
Nylon

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	Metal	CAT. NO.	IND. NO.
1-GANG 	WHITE	80701-W	N1-W	CHROME	1901	C1
	IVORY	80701-I	N1-I	ALUM	83001	A1
	ALMOND	80701-A	N1-A	BRASS	81001	B1
	GRAY	80701-GY	N1-GRY	POL BRASS	81001-PB	—
	BROWN	80701	N1	430 S/S	84001	S1
	RED	80701-R	N1-RED	302 S/S	84001-40	SN-1
	BLACK	80701-E	N1-BK			
2-GANG 	WHITE	80709-W	N2-W	CHROME	1909	—
	IVORY	80709-I	N2-I	ALUM	83009	A2
	ALMOND	80709-A	N2-A	BRASS	81009	B2
	GRAY	80709-GY	N2-GRY	POL BRASS	81009-PB	—
	BROWN	80709	N2	430 S/S	84009	S2
	RED	80709-R	N2-RED	302 S/S	84009-40	S2-N
	BLACK	80709-E	N2-BK			
3-GANG 	WHITE	80711-W	N3-W	CHROME	*	—
	IVORY	80711-I	N3-I	ALUM	83011	A3
	ALMOND	80711-A	N3-A	BRASS	81011	B3
	GRAY	80711-GY	N3-GRY	POL BRASS	81011-PB	—
	BROWN	80711	N3	430 S/S	84011	S3
	RED	80711-R	N3-RED	302 S/S	84011-40	S3-N
	BLACK	80711-E	N3-BK			
4-GANG 	WHITE	80712-W	N4-W	CHROME	*	—
	IVORY	80712-I	N4-I	ALUM	83012	A4
	ALMOND	80712-A	N4-A	BRASS	81012	B4
	GRAY	80712-GY	N4-GRY	POL BRASS	81012-PB	—
	BLACK	80712-E	N4-BK	430 S/S	84012	S4
				302 S/S	84012-40	S4-N
5-GANG 	WHITE	80723-W	N5-W	CHROME	*	—
	IVORY	80723-I	N5-I	ALUM	*	A5
				BRASS	81023	B5
				POL BRASS	81023-PB	—
				430 S/S	*	S5
				302 S/S	84023-40	S5-N
6-GANG 	WHITE	80736-W	N6-W	CHROME	*	—
	IVORY	80736-I	N6-I	ALUM	*	A6
				BRASS	81036	B6
				430 S/S	*	S6
				302 S/S	84036-40	S6-N

*Consult your Leviton representative for ordering details. Allow 3–4 weeks for delivery.

Wallplates

Toggle Switch Wallplate Product Listing



PLASTIC WALLPLATES (STANDARD SIZE)

SPECIFICATIONS & FEATURES



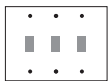
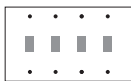
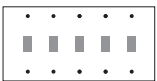
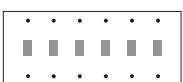
- For use with toggle-style and traditional rotary dimmers
- Molded of urea or phenolic
- Photoelectrically color-matched to Leviton devices
- Designed for high dielectric strength and arc resistance
- Resistant to fading, discoloration, grease, oils, organic solvents, moisture, and scratches
- Includes metal mounting screws that match plate color
- 7-, 8-, 9-, and 10-gang wallplates also available (See L-504 catalog)

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet or surpass UL 514 testing requirements
- Meet NEMA and ANSI standards

Standard Size Wallplates, Plastic

RESIDENTIAL GRADE

DESCRIPTION	COLOR	CAT. NO.	IND. NO
1-GANG 	WHITE IVORY ALMOND GRAY BROWN	88001 86001 82001 87001 85001	P1-W P1-I P1-A P1-GY P1
2-GANG 	WHITE IVORY ALMOND GRAY BROWN	88009 86009 82009 87009 85009	P2-W P2-I P2-A P2-GY P2
3-GANG 	WHITE IVORY ALMOND GRAY BROWN	88011 86011 82011 87011 85011	P3-W P3-I P3-A P3-GY P3
4-GANG 	WHITE IVORY ALMOND GRAY BROWN	88012 86012 82012 87012 85012	P4-W P4-I P4-A P4-GY P4
5-GANG 	WHITE IVORY ALMOND BROWN	88023 86023 82023 85023	P5-W P5-I P5-A P5
6-GANG 	WHITE IVORY ALMOND BROWN	88036 86036 82036 85036	P6-W P6-I P6-A P6

MIDWAY-SIZE NYLON & PLASTIC WALLPLATES

SPECIFICATIONS & FEATURES

- For use with toggle-style and traditional rotary dimmers
- 1/4" deep for a clean fit: a full 0.375" higher and wider than standard wallplates
- Extra long mounting screws accommodate greater depth and cover wall damage
- May be mounted onto larger volume outlet boxes and/or used to hide wall irregularities

Nylon Wallplates

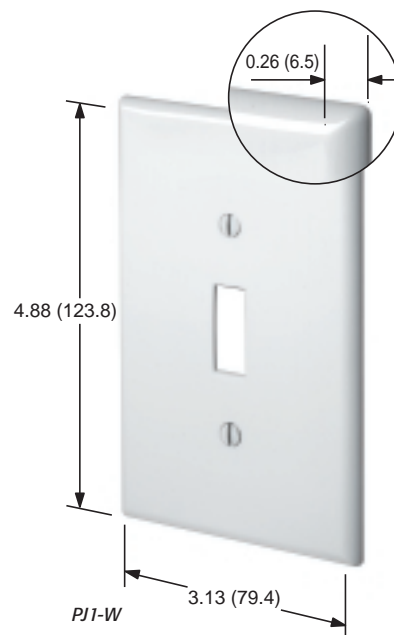
- Molded nylon for maximum resistance to impact, abrasion, grease, oils, acids, moisture, fading, and discoloration
- Resistant to mechanical stress associated with high abuse applications

Plastic Wallplates



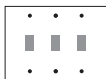
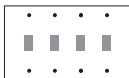
- Molded of urea or phenolic
- Designed for high dielectric strength and arc resistance
- Resistant to fading, discoloration, grease, oils, organic solvents, moisture, and scratches
- Photoelectrically color-matched to Leviton devices

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA and ANSI standards
- Nylon wallplates backed by a Limited Ten-Year Warranty

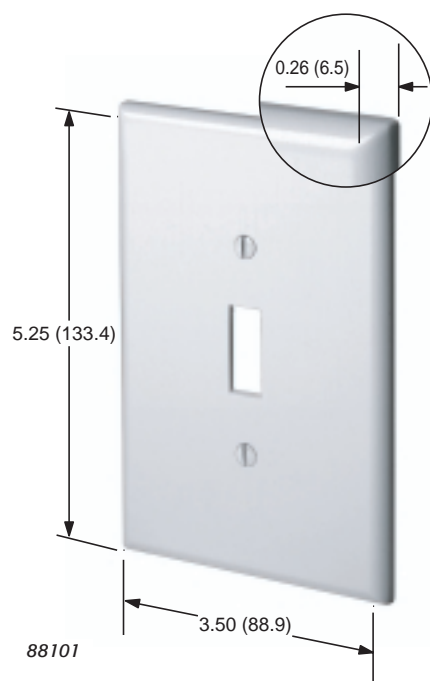


Midway Size Wallplates Nylon

DESCRIPTION	COLOR	COMMERCIAL GRADE		Plastic		RESIDENTIAL GRADE	
		CAT. NO.	IND. NO.	CAT. NO.	IND. NO.	CAT. NO.	IND. NO.
1-GANG 	WHITE IVORY ALMOND GRAY BROWN BLACK	PJ1-W PJ1-I PJ1-A PJ1-GY PJ1 PJ1-E	— — — — — —	80501-W 80501-I 80501-A 80501	SPJ1-W SPJ1-I SPJ1-A SPJ1		
2-GANG 	WHITE IVORY ALMOND GRAY BROWN BLACK	PJ2-W PJ2-I PJ2-A PJ2-GY PJ2 PJ2-E	— — — — — —	80509-W 80509-I 80509-A 80509	SPJ2-W SPJ2-I SPJ2-A SPJ2		
3-GANG 	WHITE IVORY ALMOND BROWN BLACK	PJ3-W PJ3-I PJ3-A PJ3 PJ3-E	— — — — —	80511-W 80511-I 80511-A 80511	SPJ3-W SPJ3-I SPJ3-A SPJ3		
4-GANG 	WHITE IVORY ALMOND	PJ4-W PJ4-I PJ4-A	— — —	80512-W 80512-I	SPJ4-W SPJ4-I		

Wallplates

Toggle Switch Wallplate Product Listing



OVERSIZED PLASTIC & METAL WALLPLATES

SPECIFICATIONS & FEATURES

- For use with toggle-style and traditional rotary dimmers
- 0.75 inches higher and wider than standard wallplates
- May be mounted onto larger volume outlet boxes
- Conceal more extensive wall irregularities than do Midway wallplates

Plastic Wallplates

- Molded of urea or phenolic
- Designed for high dielectric strength and arc resistance
- Resistant to fading, discoloration, grease, oils, organic solvents, moisture, and scratches
- Photoelectrically color-matched to Leviton devices



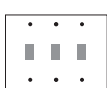
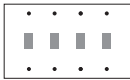
Satin-Finish Metal Wallplates

- Round edges prevent injury and wall damage
- Resistant to corrosive effects of sunlight and moisture
- Deluxe Stainless Steel is non-magnetic Type 302, .032" thick; Standard Stainless Steel is Type 430, .032" thick
- Brass is 70/30 alloy 260, .042" thick; Aluminum is 3004 alloy, .040" thick

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA and ANSI standards

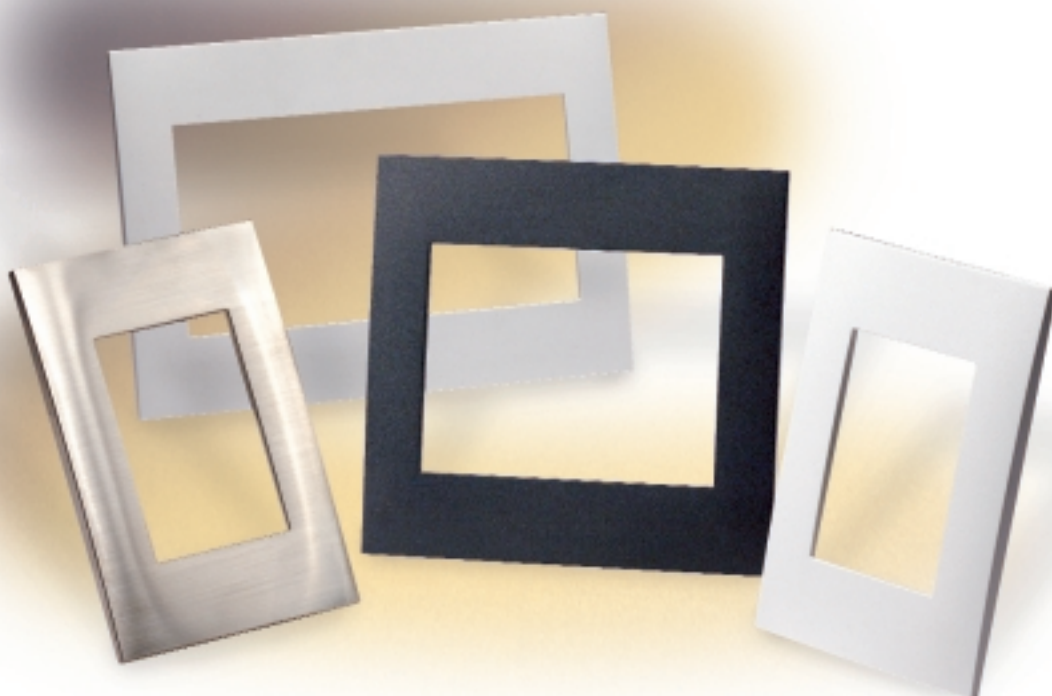
Oversized Wallplates Plastic

DESCRIPTION	COLOR	CAT. NO.	IND. NO.	Metal		COMMERCIAL GRADE	
				METAL	CAT. NO.	IND. NO.	
1-GANG 	WHITE IVORY BROWN	88101 86101 85101	PO1-W PO1-I PO1	430 S/S 302 S/S	84101 84101-40	SO1 SO1-N	
2-GANG 	WHITE IVORY BROWN	88109 86109 85109	PO2-W PO2-I PO2	430 S/S 302 S/S	* 84109-40	— SO2-N	
3-GANG 	WHITE IVORY BROWN	88111 86111 85111	PO3-W PO3-I PO3	430 S/S 302 S/S	* 84111-40	— SO3-N	
4-GANG 	—	—	—	430 S/S 302 S/S	* 84112-40	— SO4-N	

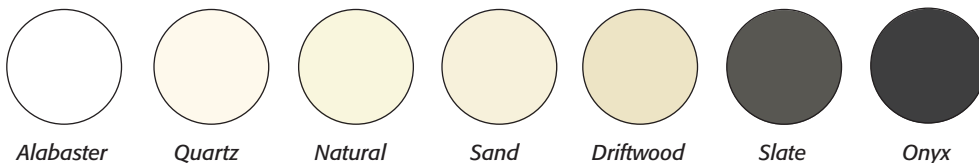
*Consult your Leviton representative for ordering details; allow 3–4 weeks for delivery.

Acenti **WALLPLATES** by Leviton

Engineered as a work of art, Acenti brings a beautiful aesthetic to rooms by flawlessly blending form and function. Each wallplate is designed exclusively for Acenti lighting controls with contoured geometry and a screwless, snap-on design. The unique Acenti style and perfectly engineered fit provides a seamless look in multi-gang installations: frames rest side by side without webbing between them to disrupt the clean appearance.



Available Colors



Alabaster

Quartz

Natural

Sand

Driftwood

Slate

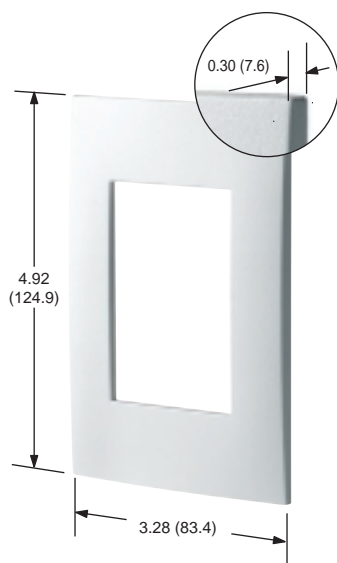
Onyx

Note: Wallplates are also available in Brushed Stainless Steel.

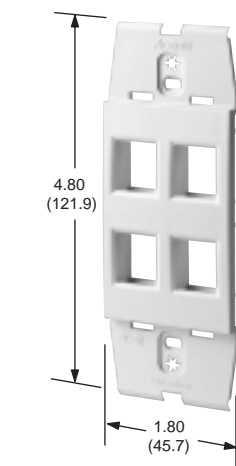
Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

Wallplates

Acenti Wallplate Product Listing



ACWP1-ALA



AC644-ALA

Acenti by Leviton SCREWLESS SNAP-ON WALLPLATES








SPECIFICATIONS & FEATURES

- Exclusively for all Acenti devices
- Screwless snap-on design provides smooth, clean look
- Subtle, matte finish complements fine décor
- Available in engineering-grade polymer and brushed stainless steel
- Unique, screwless brushed stainless steel wallplates coordinate with premium-grade appliances
- Single-opening design of multi-gang wallplates means device frames rest side by side, without extra webbing between them to disrupt clean appearance
- Alignment plate with positioning pins ensures alignment of device and wallplate
- Snaps easily and directly onto device's multifunction, Tox®-fastened clips, which also provides self-grounding of device and metal wallplate (when used with a properly grounded metal wallbox)
- Custom premium colors and QuickPort® jack inserts available

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meet NEMA Standards WD-1, WD-6 (plastic); Meet NEMA and ANSI standards (metal)
- Backed by a Limited Five-Year Warranty

Acenti Wallplates

DESCRIPTION	CAT. NO.	COLOR	Metal	Premium Grade
			CAT. NO.	CAT. NO.
1-GANG 	ACWP1	ALA, QTZ, NTL, SND, DFT, SLT, ONX*		ACWM1-STs**
2-GANG 	ACWP2	Same as Above		ACWM2-STs**
3-GANG 	ACWP3	Same as Above		ACWM3-STs**
4-GANG 	ACWP4	Same as Above		ACWM4-STs**
5-GANG 	ACWP5	Same as Above		ACWM5-STs**
6-GANG 	ACWP6	Same as Above		ACWM6-STs**
Blank Wallplate Insert 	ACW14	Same as Above		

QuickPort Acenti Wallplate Inserts

DESCRIPTION	CAT. NO.	COLOR
2-Port QuickPort Insert	AC642	ALA, QTZ, NTL, SND, DFT, SLT, ONX*
3-Port QuickPort Insert	AC643	Same as Above
4-Port QuickPort Insert	AC644	Same as Above
6-Port QuickPort Insert	AC646	Same as Above

* Add to end of catalog number suffix as follows: Alabaster (-ALA), Quartz (-QTZ), Natural (-NTL), Sand (-SND), Driftwood (-DFT), Slate (-SLT), Onyx (-ONX). ** STS denotes stainless steel.





Energy Management & Dimming Products

C

SECTION



Leviton offers a range of products that minimize energy usage while offering myriad additional benefits. The Centura fluorescent energy management system incorporates convenient wall and remote dimmers, sensors that measure light and occupancy, and even a PC-lighting-control interface. Occupancy sensors provide convenient, hands-free lights-on and lights-off and may be used independently or as part of a Centura system. Leviton's residential- and commercial-grade electronic timers reduce energy bills and can be used to provide a lived-in look that contributes to home security. And finally, Leviton combines time clock and switching-contactor functions for a safer, more energy-efficient environment with Z-MAX timed relay lighting control panels.

When it comes to energy management, Leviton has it covered.

CENTURA SYSTEM









Centura™ Fluorescent Energy Management System



A modular lighting control system for dimming fluorescent ballasts that may include a power pack, several wall controllers, a handheld remote control, a photocell, and a Smartlatch. Uses photocell to adjust lights to ambient light conditions for substantial energy savings. Optional Leviton software enables lighting control via computer.

PAGE C2

Load Icon Legend

	Incandescent		High Intensity Discharge
	Fluorescent		Fan Speed Control
	Electronic Low Voltage		Motor Load
	Magnetic Low Voltage		
	Neon Cold Cathode		

OCCUPANCY SENSORS



Decora® Wall-Switch Occupancy Sensor

Features automatic "walk-through" sensing and self-adjusting delayed off. Dual relay versions available.

PAGE C13



Self-Contained Infrared Fixture-Mount Occupancy Sensor

High bay sensor mounts directly to industrial-style fluorescent luminaries or electrical junction box.

PAGE C16



Self-Contained Infrared Ceiling-Mount Occupancy Sensor

Features built-in relay and 360° coverage. For small spaces.

PAGE C17



Multi-tech Ceiling-Mount Occupancy Sensor

IR and ultrasonic combine for accurate monitoring while minimizing false triggers. For larger, open areas. Self adjusting.

PAGE C18



Ultrasonic Ceiling-Mount Occupancy Sensor

Highly accurate small-motion detection. Self-adjusting sensitivity and time off.

PAGE C19



Infrared Ceiling-Mount Occupancy Sensor

All-digital self-adjusting sensor with high accuracy monitoring. Ideal in small commercial areas.

PAGE C20



Multi-tech Wall-Mount Occupancy Sensor

IR and ultrasonic combine for accurate monitoring while minimizing false triggers. Fits in corner.

PAGE C21



Infrared Indoor Wall-Mount Occupancy Sensor

All-digital self-adjusting sensors in wide-view, high-bay and long-range versions. For commercial applications. Fits in corner.

PAGE C22



Infrared Outdoor Motion Sensor

Adjustable delayed-off plus sensitivity to reduce false triggers. For commercial and residential applications.

PAGE C24

ELECTRONIC TIMERS



Decora Plus Preset Timer Switches

Timed control of lighting and appliances in a sleek Decora unit. Available in 4 interval options.

PAGE C31



Decora Programmable Timer Switches

14-hour, 24-hour, and countdown on/off timers.

PAGE C32

RELAY PANELS



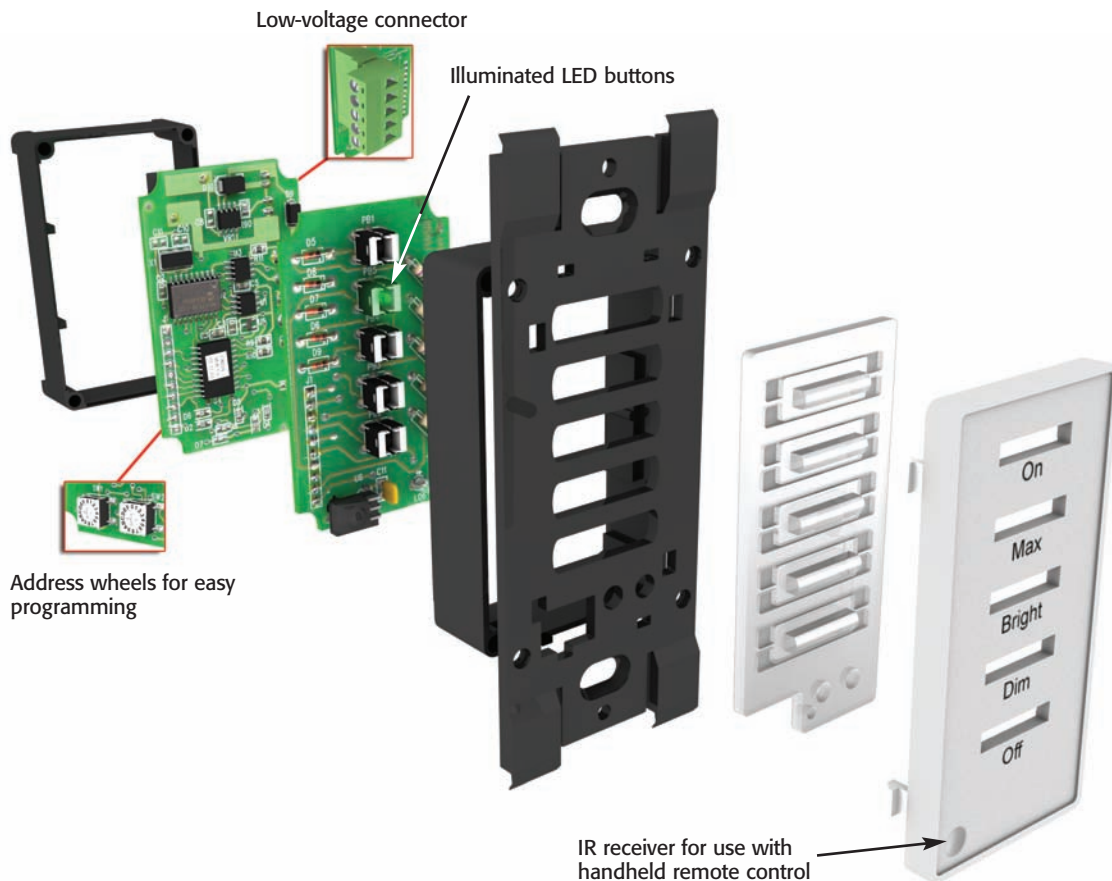
Z-MAX Relay System

Commercial grade system combining time clock and switching controller functions. For lighting and other loads.

PAGE C35

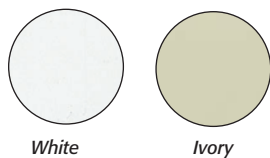
CENTURA™ FLUORESCENT ENERGY MANAGEMENT SYSTEM

Leviton's Centura™ is a modular fluorescent lighting control system that brings increased energy efficiency to commercial spaces. Using a technique known as daylight harvesting, Centura automatically adjusts lighting to take advantage of ambient light conditions. Centura offers a PC lighting control interface that is especially useful where access to individual wall switches is impractical. Occupancy sensors can be incorporated into the system for even greater energy savings—up to a proven 50%!



- Daylight harvesting automatically adjusts lights to changing conditions
- Occupancy sensors automatically turn lights off when room is unoccupied
- Conserves energy and lowers electric bills; meets ASHRAE Standard 90.1 requirements
- Accessible through controllers or via Leviton Personal Dimmer software
- Can reduce eye fatigue—for optimum employee comfort and productivity
- Modular system design expands energy-saving options with an interface for building emergency systems, load shedding programs, and time clock systems

Available Colors



NOTE: Not all models come in all colors. See listings for color availability for specific devices.

CENTURA™ POWER PACK, PHOTOCELL & COMPATIBLE OCCUPANCY SENSORS

The key to Centura's energy management functionality is the interplay between the system's power pack, photocell units, and occupancy sensors. These technologies combine to automate lighting and create the optimal work atmosphere while also conserving energy. Leviton offers a number of compatible ceiling- and wall-mount occupancy sensors to accommodate a broad range of applications.

SPECIFICATIONS & FEATURES

Power Pack / System

- Provides low-voltage power supply for controllers, photocell, occupancy sensors and jack
- When hardwired to photocell, reduces electric usage through daylight harvesting
- When hardwired to occupancy sensor, provides hands-free lights-on when room is entered and turns lights off when room becomes vacant, for increased energy savings
- Retains all LCnet system settings such as addresses, light (including preset) levels, load shed and emergency status, unoccupied state, and 30-minute timeout state
- Features a built-in, low-voltage HVAC relay and a programmable (via PC) time clock
- Meets environmental regulations (including California's Title 24) by defaulting to a 30-minute override of manually brightened settings

Photocell Only

- Measures light from any source in the visible spectrum within a 60° cone
- Provides continual measurements to the Dimming Power Pack
- Mounts on ceiling

TESTING & CODE COMPLIANCE

- California Title 24 compliant and meets ASHRAE Standard 90.1 requirements
- Power Pack and Photocell are UL Listed, CSA Certified, and FCC Part 15 (where applicable)
- Occupancy sensors are CUL/US Certified
- Centura Power Pack backed by a Limited Two-Year Warranty
- Photocell and Occupancy Sensors backed by a Limited Five-Year Warranty

NOTE: See "Applications" on Pages C8 and C9 for additional information on daylight harvesting, addressing, Centura design scenarios, and photocell and occupancy sensor placement.

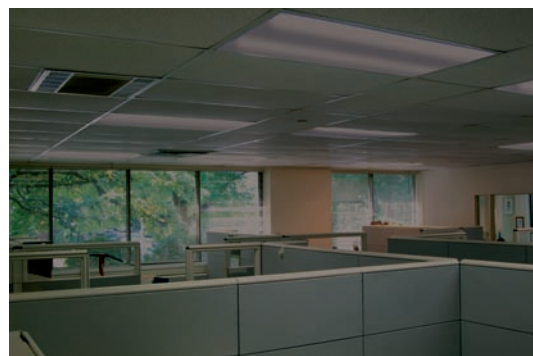
Centura™ adjusts lights to automatically provide optimal lighting throughout the day.



Dims lights during a bright day.



Brightens lights when evening falls.



Turns lights off when space becomes unoccupied.



CENTURA POWER PACK, PHOTOCELL & COMPATIBLE OCCUPANCY SENSORS

Centura Power Pack & Photocell

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
Centura Dimming Power Pack: On/off and dim/bright control of 0-10VDC dimming fluorescent ballasts. Responds to wall controller, occupancy sensor and photocell input, and provides +24VDC power supply for these devices. Programmed via wall controller or via Leviton Personal Dimmer software from a PC. Secondary relay sends control signals to HVAC system	cn100-0d0	2400VA @ 120VAC 60Hz, 5500VA @ 277VAC 60Hz. For use with 0-10VDC Advance Mark 7™, OSRAM Sylvania Quicktronic® Helios™, Energy Savings SuperDim™ and comparable ballasts only	Gray Metallic
Centura Photocell: Allows Centura system to maintain a programmed light level by constantly adjusting fluorescent light output to compensate for changes in ambient light	odc0p	No load rating. For use with CN100 only. 0-70 footcandles	White

NOTE: See Page C10 for wiring diagrams.

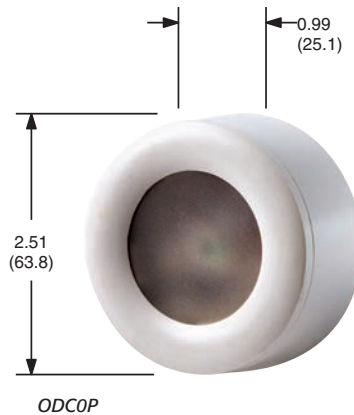
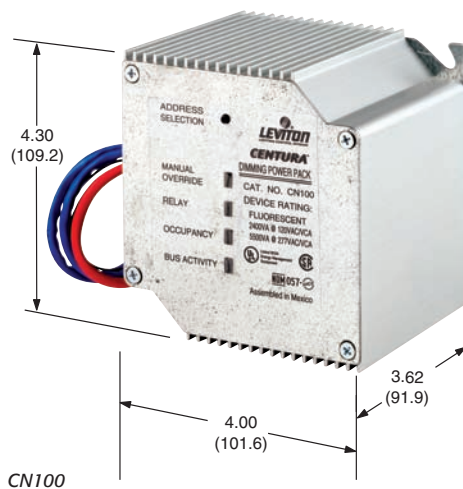
Centura-Compatible Occupancy Sensors

(Additional information on these sensors, including photos and dimensions, can be found on the pages indicated.)

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	COVERAGE	COLOR	PAGE NO.
Multi-tech Ceiling Sensor	osc05-m0w	180°, 500SF	White	C16
Multi-tech Ceiling Sensor	osc10-m0w	360° 1000SF	White	C16
Multi-tech Ceiling Sensor	osc20-m0w	360°, 2000SF	White	C16
Ultrasonic Ceiling Sensor	osc05-u0w	180°, 500SF	White	C17
Ultrasonic Ceiling Sensor	osc10-u0w	360° 1000SF	White	C17
Ultrasonic Ceiling Sensor	osc20-u0w	360°, 2000SF	White	C17
Passive Infrared Ceiling Sensor	osc04-i0w	360°, 450SF	White	C18
Passive Infrared Ceiling Sensor	osc15-i0w	360°, 1500SF	White	C18
Multi-tech Wall Sensor	osw12-m0w	115°, 1200SF	White	C19
Passive Infrared Wide-View Sensor	oswww-i0w	115°, 2500SF	White	C20
Passive Infrared Long Range Sensor	oswlr-i0w	100ft. @ 10ft. high	White	C20
Passive Infrared High-Bay Sensor	oswhb-i0w	55 ft., 7 ft. wide @ 30 ft. high	White	C20

NOTE: These Leviton occupancy sensors can be powered by the CN100. Within a Centura System, a separate Occupancy Sensor Power Pack is not required.



CENTURA CONTROLLERS

A number of controllers (including an entry-pad dimmer, rocker style switch or dimmer and a handheld remote control) can be incorporated into a Centura system. All wall-mounted controllers feature sleek Decora® styling.

SPECIFICATIONS & FEATURES

	CN200	CN220	CN221	NE200
• Dimming and switching functionality	X		X	X
• One-touch full brightness Max button	X			
• Manual controls override automatic settings	X	X	X	X
• Compatible with a handheld remote control	X			
• Service switch temporarily cuts power to fixtures		X	X	
• For use programming Centura™ system	X		X	X
• Sleek Decora styling	X	X	X	X

TESTING & CODE COMPLIANCE

- UL Listed
- CSA and NOM Certified
- FCC Part 15 and California Title 24 compliant (except for Remote Controller)
- Backed by a Limited Two-Year Warranty



CN200



Energy Management & Dimming Products

Centura Product Listing



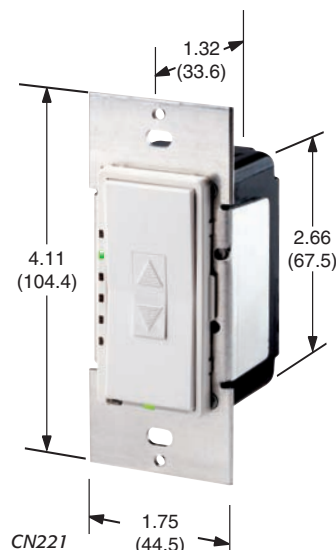
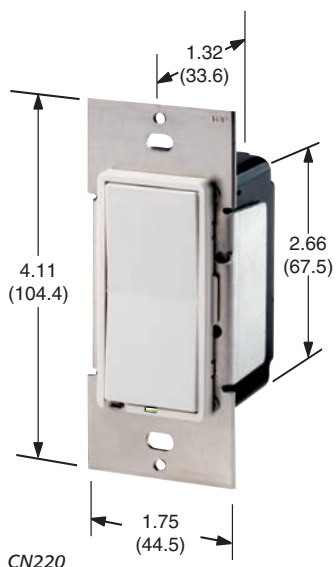
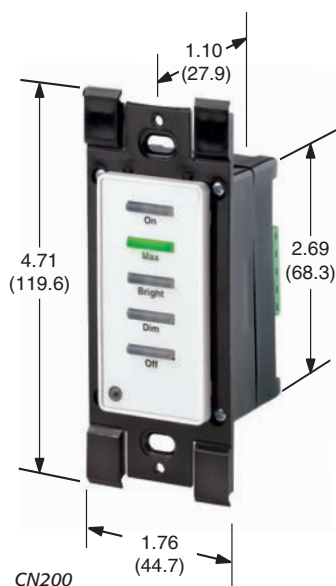
CENTURA WALL AND REMOTE CONTROLLERS

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COLOR
Centura Dimming Controller with Infrared Receiver: Decora-style 5-button unit for on/off, dim/bright and max override. Built-in IR receiver for use with Centura NE200 Remote. Programs energy management functions	cn200-00c	No load rating. For use with Centura Dimming Power Pack only	W + I*
Centura Switching Controller: Decora-style rocker for on/off switching	cn220-00c	Same as Above	W + I*
Centura Dimming Controller: Decora-style rocker for on/off switching with built-in arrow-shaped rocker for dim/bright control. LED display indicates selected brightness level. Back of wallplate provides instruction label that lines up with LEDs to facilitate programming	cn221-00c	Same as Above	W + I*
Centura Handheld Infrared Remote Controller: Convenient on/off, dim/bright control presets and programming.	ne200-00e	No load rating. For use with CN200 Controller only	Black

* Comes standard in White with matching Decora wallplate and Ivory Color Change Kit

NOTE: See Page C11 for wiring diagrams.



CENTURA SMARTJACK/SOFTWARE PACKAGE

With Centura not only can lighting administrators view and control the entire lighting system from a PC, the average user can also adjust lighting from his or her PC. Visit www.leviton.com/centura for the latest Centura software updates.

SPECIFICATIONS & FEATURES

- Provides PC interface for individual control of lights, to ease setup, and to back up settings
- CD includes Leviton HTTP Server, LPD, and LPDA software modules
- Comes with RJ11-to-DB9 cable
- LEDs blink red or green to confirm message status
- SmartJack fits inside a standard NEMA wallbox

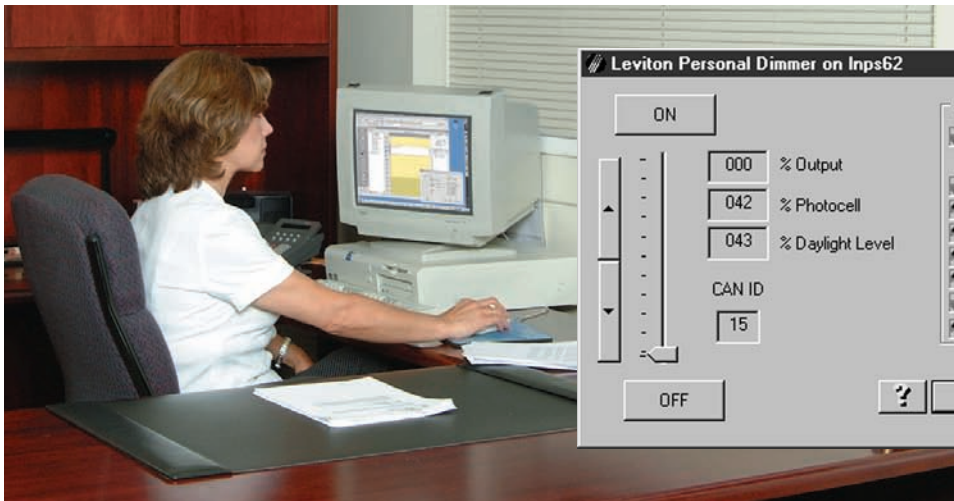
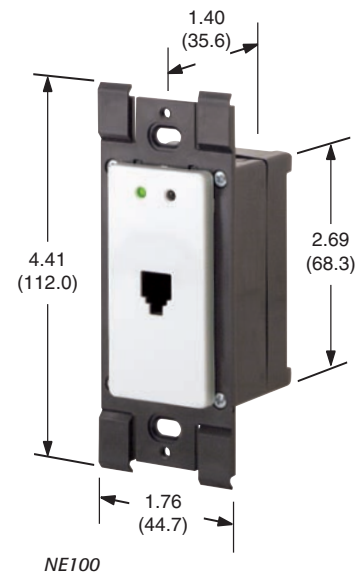
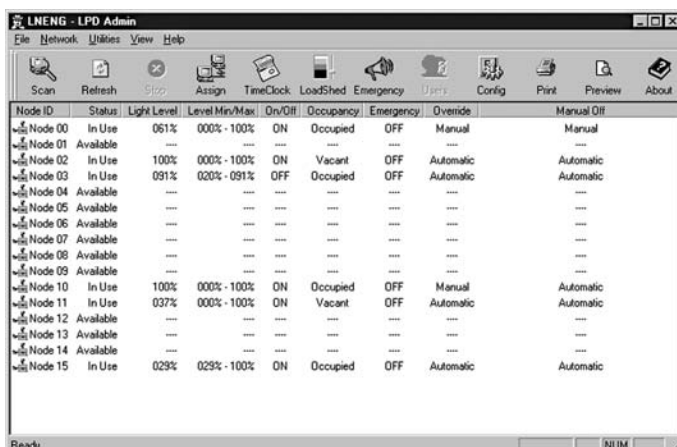
TESTING & CODE COMPLIANCE

- UL Listed, CSA Certified
- Backed by a Limited Two-Year Warranty

DESCRIPTION	CAT. NO.	RATING	COMMERCIAL GRADE COLOR
LCnet SmartJack Package: Includes a cable for connecting the Smartjack to a PC and a mini-CD containing server, administrator, and user software. For the latest software updates, check Leviton's Web site: www.leviton.com/centura	ne100-00c	No load rating. For use with Centura Power Pack	White + Ivory*

* Comes standard in White with matching Decora wallplate plus Ivory jack insert option (Ivory Decora wallplate sold separately).

Note: See Page C11 for wiring diagrams.

Node ID	Status	Light Level	Level Min/Max	On/Off	Occupancy	Emergency	Override	Manual Off
Node 00	In Use	061%	000% - 100%	ON	Occupied	OFF	Manual	Manual
Node 01	Available	---	---	---	---	---	---	---
Node 02	In Use	100%	000% - 100%	ON	Vacant	OFF	Automatic	Automatic
Node 03	In Use	091%	020% - 091%	OFF	Occupied	OFF	Automatic	Automatic
Node 04	Available	---	---	---	---	---	---	---
Node 05	Available	---	---	---	---	---	---	---
Node 06	Available	---	---	---	---	---	---	---
Node 07	Available	---	---	---	---	---	---	---
Node 08	Available	---	---	---	---	---	---	---
Node 09	Available	---	---	---	---	---	---	---
Node 10	In Use	100%	000% - 100%	ON	Occupied	OFF	Manual	Automatic
Node 11	In Use	037%	000% - 100%	ON	Vacant	OFF	Automatic	Automatic
Node 12	Available	---	---	---	---	---	---	---
Node 13	Available	---	---	---	---	---	---	---
Node 14	Available	---	---	---	---	---	---	---
Node 15	In Use	029%	029% - 100%	ON	Occupied	OFF	Automatic	Automatic

Energy Management & Dimming Products

Centura Applications



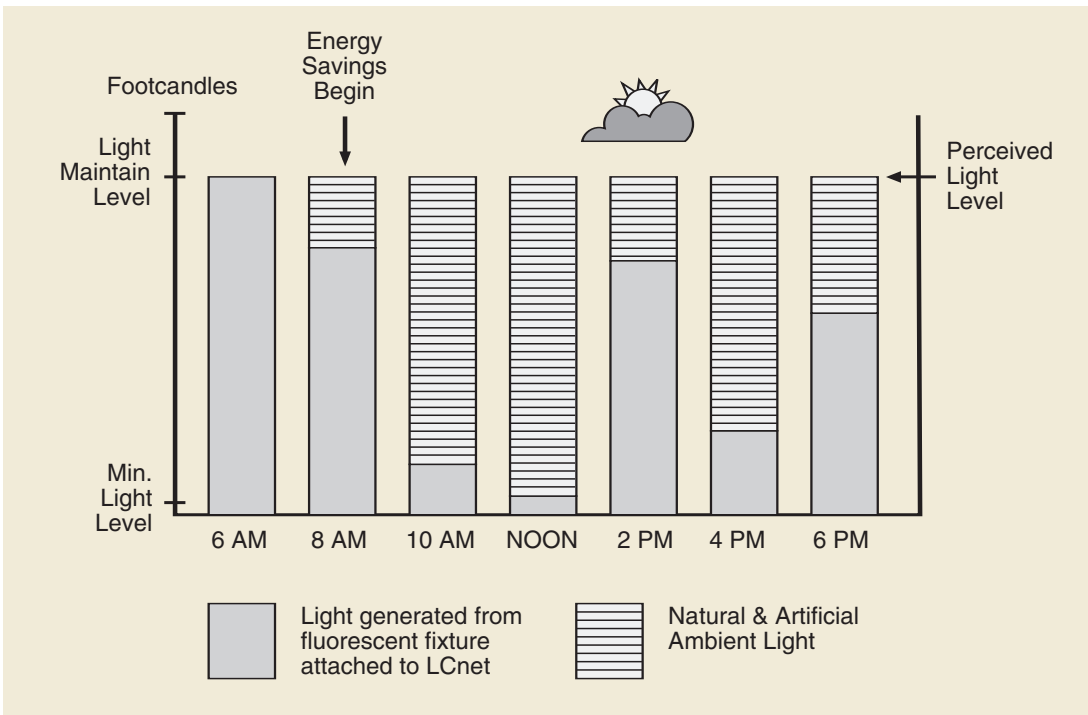
GENERAL APPLICATION

Leviton's Centura™ Fluorescent Energy Management System is ideally suited to commercial environments in which at least one of the following needs is present:

- Saving money by reducing electric consumption
- Increasing employee productivity through optimal lighting that reduces eye fatigue
- Meeting environmental regulations and conserving energy
- Providing individual control of lighting to workers via a PC interface
- Offering hands-free convenience by automatically turning lights on and off when appropriate
- Linking emergency, time clock, HVAC and fluorescent lighting control systems to achieve optimal synergy and efficiencies

The key to Centura's energy management feature is "daylight harvesting." By using surrounding ambient light to supplement light from fixtures within the room, Leviton's Centura System can maintain a constant lighting level while saving electricity. The "Light Maintain Level" must be programmed into the power pack either via Leviton-provided software, one of the wall-mounted controllers, or through a handheld remote control. Once wired, the power pack will receive the photocell's comprehensive light measurement and, when necessary, adjust its own output to keep steady the Light Maintain Level within the photocell's area of detection.

Typical Daylight Harvesting Operation within a 12-hour period



A comprehensive energy management system, such as Centura, does require planning and programming. A number of key issues to consider beforehand include:

- Ambient light conditions and usage of space to determine optimal photocell placement
- Selecting the appropriate occupancy sensors to monitor an area
- How the wiring should be laid out and which Centura components are needed to create the desired system (taking into account load capacity and addressing limitations)
- The appropriate addressing scheme and light levels that will need to be programmed

Addressing

The Centura Power Pack, all three wall controllers and the Leviton Personal Dimmer must be assigned addresses. More specifically, they must be programmed to the same address in order for a number of these components to work together. After all components that require it are addressed, either the Daylight Maintain Level or the Minimum Light Level may need to be set for each address. This will be the case if either (1) there is a photocell hooked up to the power pack (2) the drawings require a Minimum Light Level above 0%.

DESIGN SCENARIOS

Since each Centura system is configured based on job-specific requirements, each application must be clearly defined before a Centura System can be designed. Applications can be broken down into different system scenarios geared towards achieving specific goals within a certain type of space.

For illustrative purposes, a closed room is defined as a typical room with a window to the outside. If installing an energy management system in a closed room with no such window, there is no need to include a photocell. On the other hand, we define an open space as a large area where there is little if any natural light—and often plenty of cubicles. In general the lack of wall space in such areas makes standard wall switches impractical and PC control desirable.

The chart below presents a number of typical Centura applications, and which Centura components you might need to do the job.

SAMPLE CENTURA APPLICATIONS	POWER PACK	OCCUPANCY SENSOR	PHOTOCELL	CONTROLLER + REMOTE	DIMMING CONTROLLER	SMARTJACK + SOFTWARE
1. Energy Management System with maximum user control for closed rooms	X	X	X	X		X
2. Basic Energy Management System for closed rooms	X	X	X		X	
3. Dimming System with maximum user control for closed rooms	X			X		X
4. Energy Management System for open spaces	X	X				X
5. Dimming System with maximum user control for open spaces	X			X		X

Application 1

In a closed room with at least one window to the outside, the fullest range of energy management features can be utilized: including a photocell and occupancy sensors. In an office where lighting needs may change with the task at hand—such as doing design work on a computer or projecting a presentation—automatic lighting control can be supplemented with a handheld remote control, a wall-mounted dimmer, as well as a Leviton Personal Dimmer on the computer.

Application 2

As long as there is a window to the outdoors every Centura energy management feature can be incorporated into the automatic lighting control system. The occupancy sensor and photocell take care of the automatic on/off as well as maintaining the Light Maintain Level. A CN221 controller is added to give the user the ability to set light levels and for the occasional, manual dim/bright or on/off adjustment. This scenario is ideal for offices where the user doesn't need to change the level often and energy savings are a goal.

Application 3

Suited to a basic room where the user wants full control over all lighting and an automated system IS NOT desired. For instance: an Art Director's office where a variety of light levels are necessary to perform daily tasks such as doing layout on the computer and making presentations to executives. Because no automation is required, this application requires no occupancy sensor or photocell. The user will have complete (including remote) control over all lighting without any unoccupied "timeouts" or automatic light adjustments.

Application 4

Ideal for the average cube farm or open space where the absence of walls makes it more practical for users to control lighting via computer. In this scenario, a Leviton Personal Dimmer is loaded onto each PC. Occupancy sensors are added to make sure that no load is inadvertently left on, therefore conserving energy and saving money. Leviton software can also be used by building management to track how individuals use lighting. This information can be used to devise methods for achieving even greater cost savings.

Application 5

In applications where automatic light adjustments are not required, Centura may be used simply as a comprehensive dimming system. In an open area, especially with cubicles, Centura is a superb choice because it provides a Leviton Personal Dimmer that can be loaded onto individual PCs. This allows occupants to adjust their lighting without having to walk across a large room to a wall switch that may be and bunched up with so many other switches as to be hard to distinguish. The CN200 must be selected as a controller if remote controllability is also desired.

PHOTOCELL PLACEMENT

Installing a photocell can save electricity in any indoor space with windows or with substantial ambient light from adjacent indoor spaces. On the other hand, installing a photocell in a room without windows (especially an enclosed one) is of little value. In those applications where automatic light adjustments are desired, the placement of each photocell is a key factor in determining how daylight harvesting will work. Since light reflects off ceilings, walls, floors and furniture, ambient light levels can vary throughout different areas in a room. In order to ensure that lights brighten and dim appropriately, care must be taken in choosing a mounting location. Leviton recommends that the photocell be placed directly above the workspace where lighting is most critical. Tabletop or floor lamps can be used to supplement lighting. Only one photocell should be installed per power pack.

OCCUPANCY SENSOR SELECTION & PLACEMENT

Sensors can be mounted in the middle of walls, in corners, or on ceilings. In order to ensure motion is detected throughout an entire space, occupancy sensors must be intelligently placed. With a variety of models from which to choose, care should be taken to select the proper combination of sensors to cover an entire area with motion detection. Each sensor covers a specific pattern and square footage that must be taken into account. Additional factors include usage patterns, false-ons from nearby traffic, and airflow that can falsely register as motion. Additional information about Centura-compatible occupancy sensors can be found in the Occupancy Sensor section that follows.

Leviton provides a complimentary occupancy-sensor layout service. This service provides suggested sensor selection and placement on a customer's drawings in either paper or electronic form, along with a bill of material detailing the components necessary for that layout. E-mail oslayout@leviton.com to request this service.

Energy Management & Dimming Products

Centura Technical Information



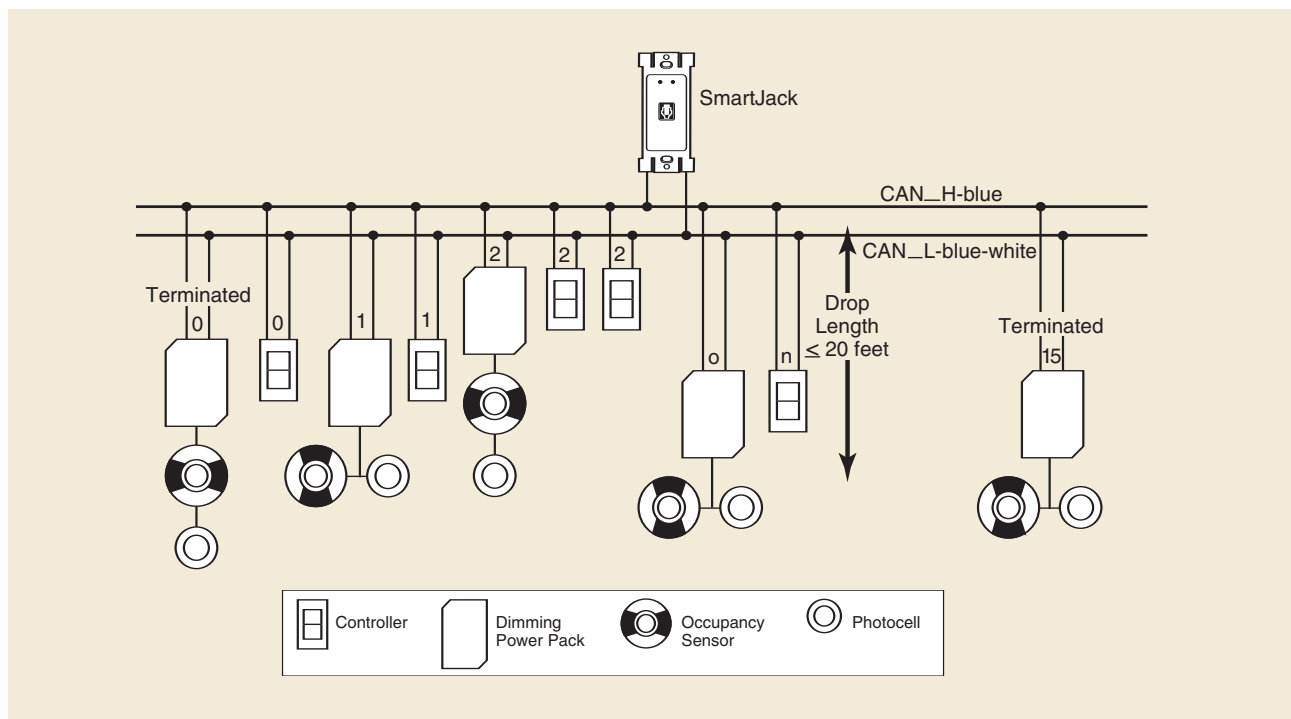
WIRING

LEVITON CONTROL NETWORK

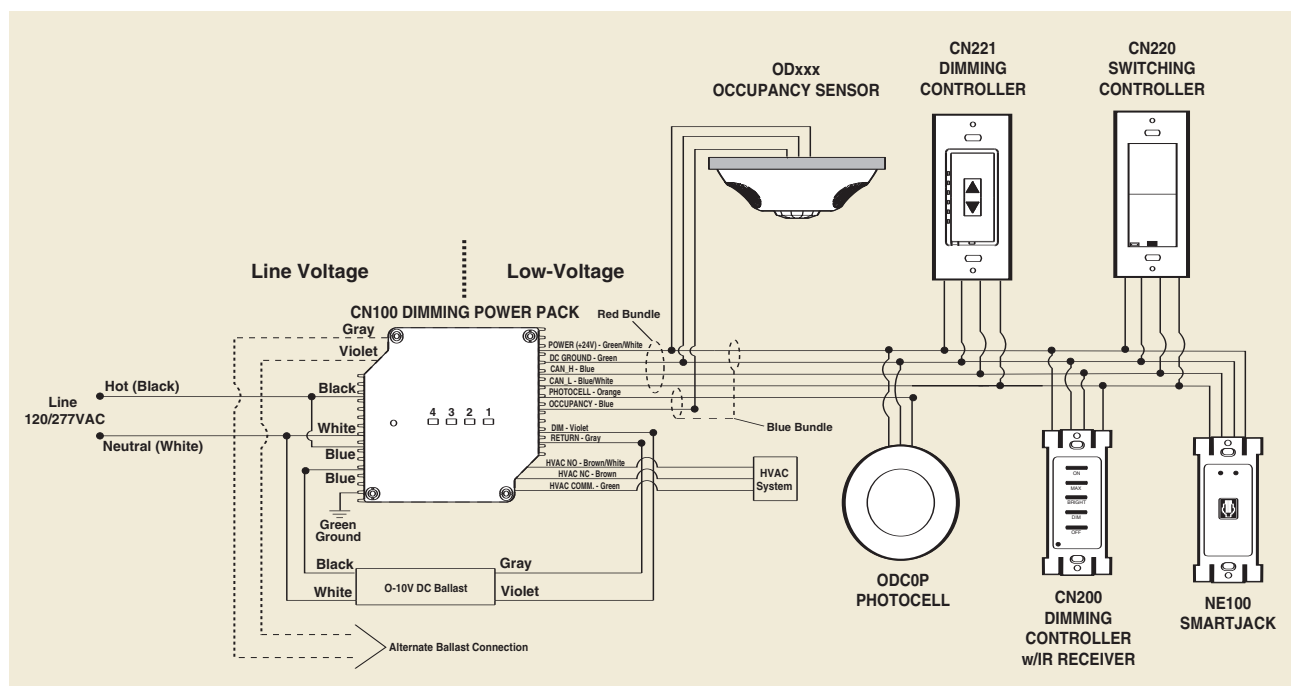
Before installing individual Centura™ components, low-voltage communication wiring (the LCnet) must be installed. Leviton recommends using stranded Cat-5 premise patch cable for best performance. Power Packs chosen as the first and last nodes on the bus must be terminated if the wiring between LCnet components is longer than 10 feet.

Note: Do not connect the 24VDC low voltage bus between two power packs.

LCnet Wiring Schematic



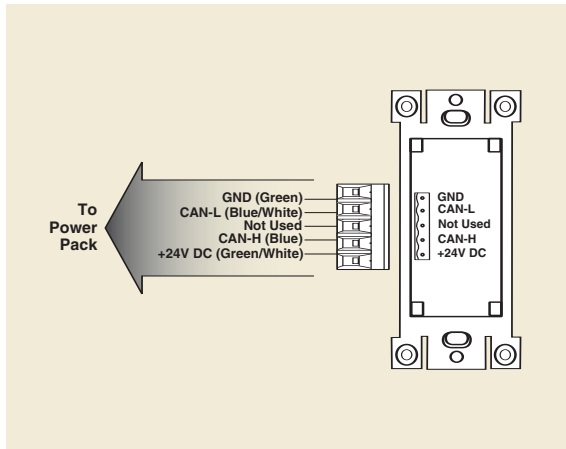
System Wiring Diagram



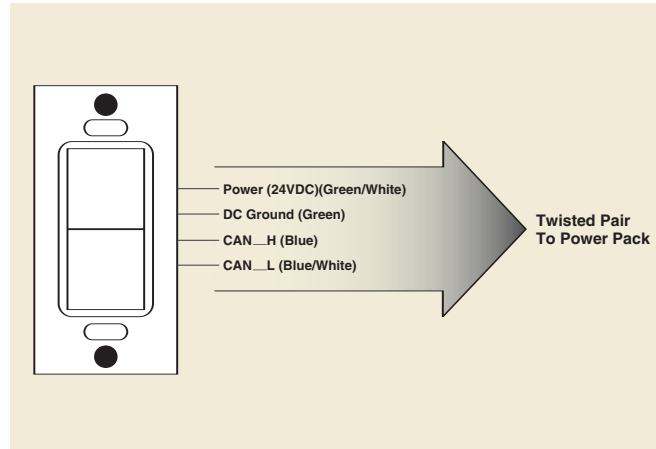
INDIVIDUAL COMPONENTS

The SmartJack is powered by a power pack. Because it is not associated with any single address on the LCnet, the SmartJack's power wires can be connected to whichever is the nearest power pack. We suggest that Controllers be wired to a power pack with the same address. Although it will function otherwise, powering Controllers from a pack within its own address makes troubleshooting and future expansion easier. Additional information on Centura-compatible occupancy sensors, including wiring diagrams and mounting illustrations, can be found in the Occupancy Sensor section that follows.

CN200 Dimming Controller and NE100 SmartJack Wiring Diagram



CN220/221 Controller Wiring Diagram



LOAD CAPACITY

Although numerous Centura peripherals (or components) in a multitude of combinations can be attached to the low-voltage bus, there is a limit to what can be attached to a single Centura Power Pack based on the pack's 500mA maximum load current. Most Centura components can be powered by ANY power pack because either its address determines which devices it talks to (as with controllers) or it listens to all messages (for example SmartJack). In contrast, occupancy sensors and photocells must be hardwired to a specific Centura Power Pack. Never connect two CN100 low-voltage power wires together.

SOFTWARE

To use a PC to set up and store settings, the PC must be connected to a SmartJack wired to the LCnet and the following software modules must be installed: HTTP Server, LPDA, and LPD (optional). See www.leviton.com/centura for software updates.

Operating System Requirements: Windows 95/98/Me/2000*/NT 4.0 Service Pack 6*/XP* (*with administrative access); see www.leviton.com/centura for latest OS compatibility.

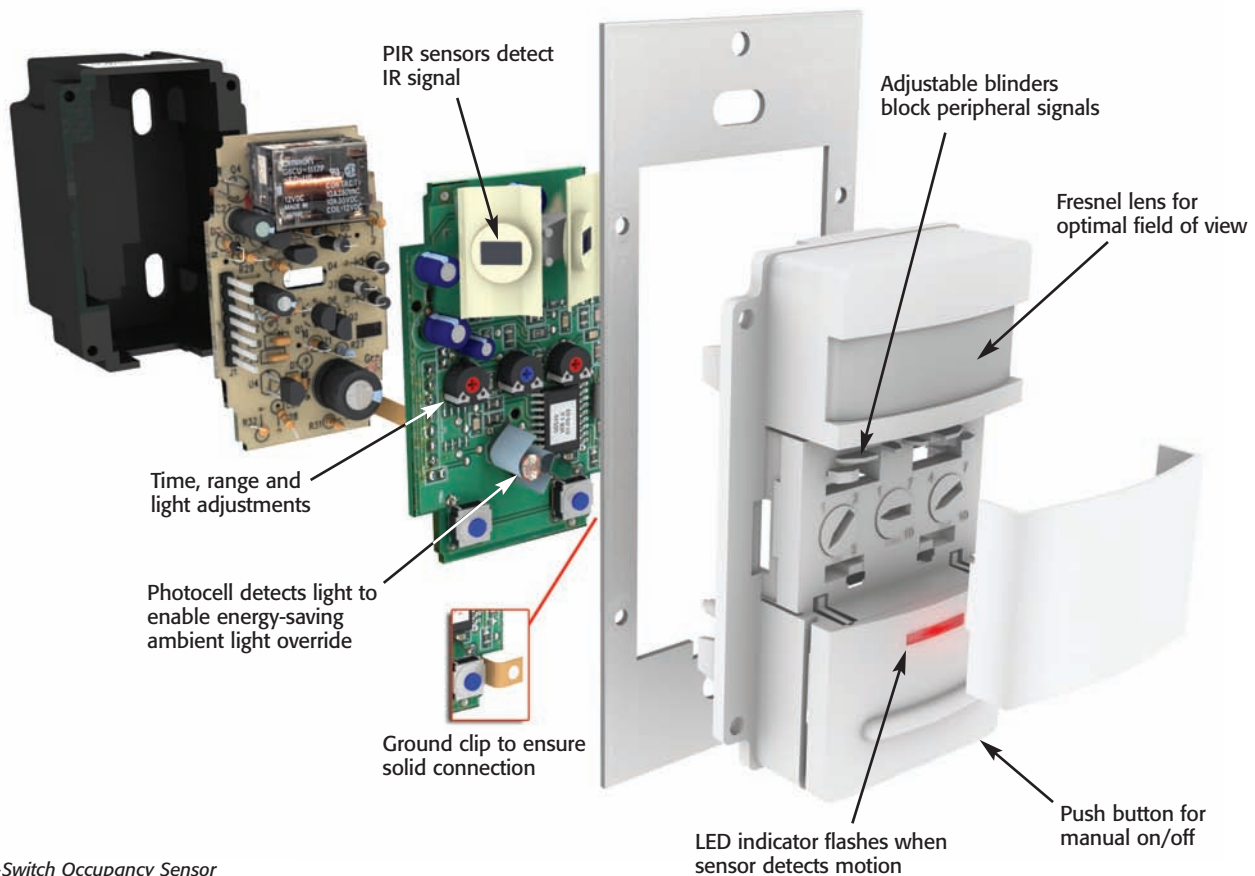
Energy Management & Dimming Products

Occupancy Sensor Overview



LEVITON OCCUPANCY SENSOR LIGHTING CONTROLS

Leviton's wall and ceiling-mounted occupancy sensors use passive infrared and/or ultrasonic sensing technology to provide cost-effective lighting control. Leviton occupancy sensors can be used in everything from conference rooms to hallways and from restrooms to outdoor areas—turning lights on when motion is detected and off when it is not. Leviton's comprehensive line includes commercial and residential, wide-view and high-bay, dual-relay, and even outdoor models that span a broad range of coverage areas and patterns. Accessories including cages and power packs are available for many models.



Wall-Switch Occupancy Sensor

- **Advanced ultrasonic sensing technology for highly accurate small-motion monitoring**
- **Advanced passive infrared (PIR) technology for monitoring obstruction-free areas**
- **Adjustable delayed-off and/or self-adjusting delayed-off interval compensates for occupancy patterns—preventing unnecessary on/off switching**
- **Many with self-adjusting settings that continuously analyze and adjust for optimum performance**

Available Colors

All devices come in white. Wall-switch occupancy sensors also come in ivory, almond, light almond, and gray.



DECORA WALL-SWITCH INFRARED OCCUPANCY SENSORS

Convenient switch and occupancy sensor combo in sleek Decora® style unit. Advanced passive infrared technology provides highly accurate monitoring in a variety of commercial applications. The OSSMT Multi-Tech unit combines passive infrared and ultrasonic technologies to provide maximum sensitivity with immunity to false triggering.

SPECIFICATIONS & FEATURES

	ODS0D-ID	ODS0D-TD	ODS10	ODS15	OSSMT	OSSNL	OSS10	IPP15	PR150	PR180
• Ambient light override prevents lights from turning on when there is ample natural light	X	X		X	X				X	X
• Manual override turns lights on at any time regardless of override setting	X	X	X	X	X	X	X	X	X	X
• Dual pushbuttons provide manual ON/OFF switching for 2 separate banks from a single unit	X	X								
• Exclusive automatic “walk-through” sensing increases energy savings by shutting lights within 2-1/2 minutes after momentary occupancy	X	X		X	X					
• Unit beeps to indicate load is going to be switched off automatically	X	X								
• Choice of “Conference Room” or “Classroom” modes for maximum performance and energy savings in a variety of installations	X									
• Manual delayed-off-time settings: 5, 10, and 20 minutes, with 30-second test mode	X	X								
• Manual delayed-off-time settings: 10, 20, and 30 minutes, with 30-second test mode			X		X		X	X		
• Manual delayed-off-time settings: 15 seconds to 15 minutes									X	X
• Manual delayed-off-time settings: 30 seconds, 30 minutes, 1 hour, 2 hours						X				
• Three-position service switch with off, auto, on	X	X		X						
• Single-pole and 3-way wiring					X			X		X
• Elegant Decora styling complements any interior, uses Decora wallplates	X	X	X	X	X	X	X	X	X	X
• Fits in standard wallbox; units may be ganged	X	X	X	X	X	X	X	X	X	X
• Night Light mode or “Guide Light” feature						X	X			
• Night Light dim feature						X	X			
• Adjustable integral blinders with 180° to 32° field-of-view	X	X	X	X	X	X	X	X		
• Manual ON/Auto OFF setting for CEC Title 24 compliance	X	X	X	X	X		X	X		

Ideal for Use in:

ODS0D-ID/ODS0D-TD— Classrooms, multimedia and conference rooms, day care centers, office, lounges

ODS10-ID — Enclosed areas: small offices, conference rooms, storage rooms, copy rooms, closets

ODS15-ID — Commercial areas: small offices, conference rooms, classrooms, stockrooms, lounges, restrooms, warehouses

PR150-1L — Wide variety of residential applications

PR180-1L — Large rooms, home offices, and a variety of light commercial and residential applications

OSSMT — Private and executive offices, conference rooms, storage areas, restrooms, classrooms, lounges, and training areas

OSSNL/OSS10 — Hotel restrooms, hospital restrooms, conference rooms, class rooms, small offices, lounges, storage areas, and bathrooms

IPP15 — Kitchen, bathrooms, laundry rooms and garages

TESTING & CODE COMPLIANCE

• UL Listed; Cat. No. ODS0D-ID is CUL/US Certified

• CSA Certified

• CEC Title 24 compliant (ODSXX, OSS10, OSSMT and IPP15 models only) and meets ASHRAE Standard 90.1 requirements

• Backed by a Limited Five-Year Warranty; Limited Two-Year Warranty on PR1XX models



Energy Management & Dimming Products

Occupancy Sensor Product Listing



DECORA WALL-SWITCH INFRARED OCCUPANCY SENSORS

Occupancy Sensors

Commercial Grade

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR*
Decora Wall-Switch PIR Occupancy Sensor	ods10-id	Incandescent: 800W @ 120V. Fluorescent: 1200VA @ 120V, 2700VA @ 277V. For 60Hz AC only. Motor: 1/4HP @ 120V	180°, 2100SF	W, I, A, T, G
Decora Wall-Switch PIR Occupancy Sensor with Self-adaptive Technology	ods15-id	Incandescent: 1800W @ 120V. Fluorescent: 1800VA @ 120V, 4000VA @ 277V. Motor: 1/4HP @ 120V	180°, 2100SF	W, I, A, T, G
Dual-Relay Decora Wall-Switch PIR Occupancy Sensor with Self-Adaptive Technology. Default setting = Conference Room mode, alternate setting = Classroom mode**	ods0d-id	Primary Relay—Fluorescent: 1200VA @ 120V, 2700VA @ 277V; Incandescent: 800W @ 120V. Secondary Relay—Fluorescent: 800VA @ 120V, 1200VA @ 277V; Incandescent: 800W @ 120V	180°, 2100SF	W, I, A, T, G
Dual-Relay Decora Wall-Switch PIR Occupancy Sensor with Self-Adaptive Technology. Secondary relay provides manual ON only for CEC Title 24 compliance	ods0d-td	Primary Relay—Fluorescent: 1200VA @ 120V, 2700VA @ 277V; Incandescent: 800W @ 120V. Secondary Relay—Fluorescent: 800VA @ 120V, 1200VA @ 277V; Incandescent: 800W @ 120V	180°, 2100SF	W, I, A, T, G
Decora Wall-Switch PIR Occupancy Sensor with LED Night Light	ossnl-id	Incandescent: 800W @ 120V. Fluorescent: 1200VA @ 120V, 2700VA @ 277V. Motor: 1/8 HP @ 120V	180°, 1200 SF	W, I, A, T, G
CEC Title 24 Compliant Decora Wall-Switch PIR Manual-ON Sensor with LED Night Light	oss10-id	Incandescent: 800W @ 120V. Fluorescent: 1200VA @ 120V, 2700VA @ 277V. Motor: 1/8 HP @ 120V	180°, 1200 SF	W, I, A, T, G

Occupancy Sensors

Residential Grade

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR*
Decora Manual-ON Occupancy Sensor, CEC Title 24 Compliant. Single-Pole, 3-Way or more when used with IPPOR Remote and/or Vizia™ Remotes and Remote Switches	ipp15-1l	Incandescent: 1800W. @ 120V. Fluorescent: 1800VA @ 120V. Motor: 1/2HP @ 120V	180°, 900SF	W, I, A, T
Decora Manual-ON Occupancy Sensor Remote. For use with IPP15 Sensor or Vizia Dimmers.	ipp0r-1l	120VAC—No load rating. For use with IPP15 or Vizia Dimmers	180°, 900SF	W, I, A, T
Decora Wall-Switch PIR Occupancy Sensor, Single-Pole	pr150-1l	Incandescent: 500W. Fluorescent: 400VA rapid start magnetic only @ 120VAC. Motor: 1/8HP @ 120VAC	150°, 350SF	W, I
Decora Wall-Switch PIR Occupancy Sensor, Single-Pole, 3-Way	pr180-1l	Incandescent: 500W. Fluorescent: 400VA rapid start magnetic only @ 120VAC. Motor: 1/8HP @ 120VAC	180°, 400SF	W, I

Decora Wall-Switch Multi-Tech Occupancy Sensors

Occupancy Sensors

Commercial Grade

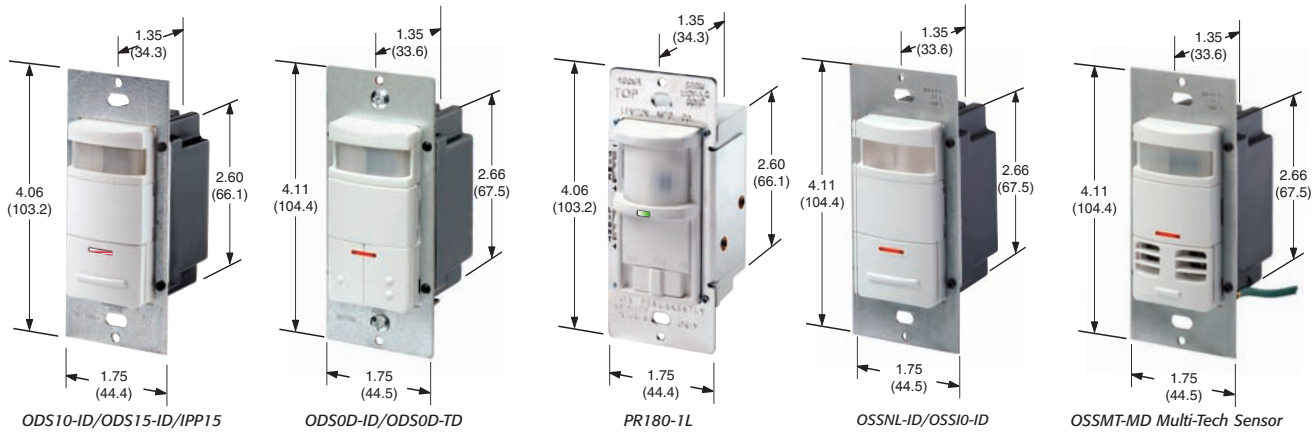
DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR*
Decora Wall-Switch Multi-Tech Occupancy Sensor with Self-adaptive Technology	ossmt-md	Incandescent/Tungsten: 800W @ 120V. Fluorescent: 1200VA @ 120V, 2700VA @ 277V. Motor: 1/4HP @ 120V	180°, 1200 SF	W, I, A, T, G

* Add to end of catalog number suffix for color of switch: White (W), Ivory (I), Almond (A), Light Almond (T) and Gray (G). Wallplates sold separately.

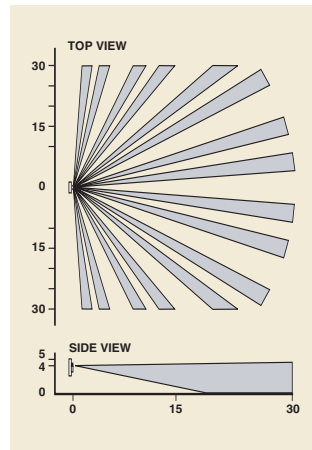
** In Conference Room Mode, both primary and secondary relays respond to ambient light override. In Classroom Mode, primary relay responds only to ambient light override.

Note: See Pages C26 and C27 for wiring diagrams, Page C15 for dimensioned photos and Field of View

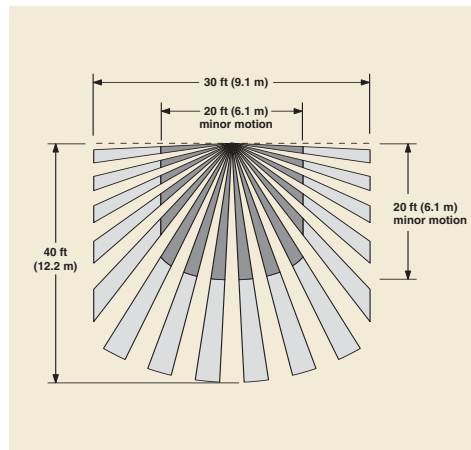
DECORA WALL-SWITCH INFRARED OCCUPANCY SENSORS DIMENSIONS



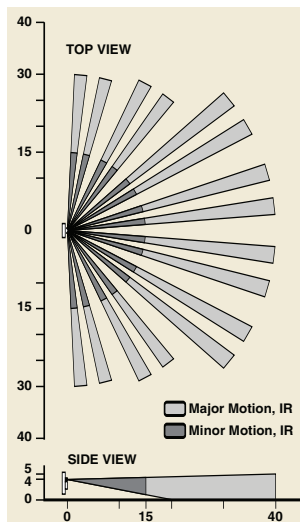
DECORA WALL-SWITCH INFRARED OCCUPANCY SENSORS FIELDS OF VIEW



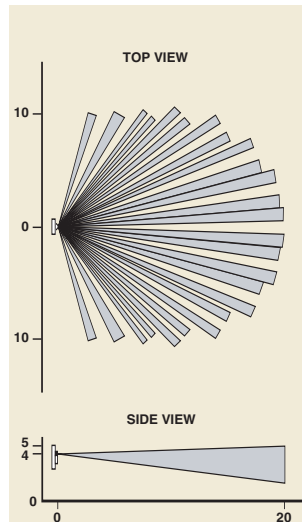
IPP15 Field of View (in feet)



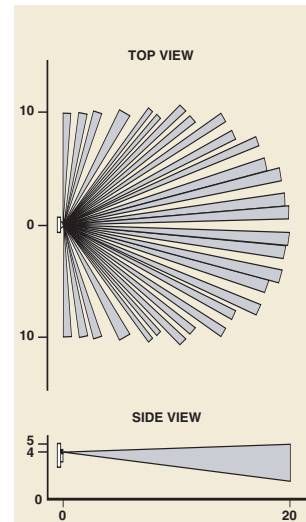
OSSMT Field of View (in feet)



OSSXX-ID/ODSXX-ID/ODS0D-TD Field of View (in feet)



PR150-1L Field of View (in feet)



PR180-1L Field of View (in feet)

Energy Management & Dimming Products

Occupancy Sensor Product Listing



SELF-CONTAINED FIXTURE-MOUNT HIGH BAY SENSOR/POWER BASE ADAPTOR

SPECIFICATIONS & FEATURES

Fixture-Mount High Bay Occupancy Sensor

- Mounts directly to industrial-style fluorescent luminaires or electrical junction box
- Self-contained PIR sensor and relay turn individual fixtures ON/OFF based on occupancy
- Up to 40 ft mounting height
- Interchangeable 360° open-area lens and 60' x 20' aisle-pattern lens provided
- Relay uses zero-crossing circuitry for enhanced reliability and long-life operation
- Delayed-OFF time adjustment from 30 sec to 20 min
- Cat. No. OSFOA-00W Offset Adaptor Accessory snaps into 1/2" knockout to position sensor below fixture body for improved field of view with deep-body fixtures

Self-Contained Power Base Adaptor

- Patent-pending design converts Leviton low-voltage ceiling sensors to line-voltage
- Ideal for both existing buildings with limited access to low-voltage wiring and new constructions with line-voltage circuiting only.

- Mounts easily in standard 2.125" deep x 4" octagon or 2.125" deep x 4" square electrical box with a 2-gang mud ring; flying leads provide fast line voltage connections
- Two-piece terminal block provides fast, easy low-voltage connections to the sensor
- Relay uses zero-crossing circuitry for enhanced reliability and long-life operation

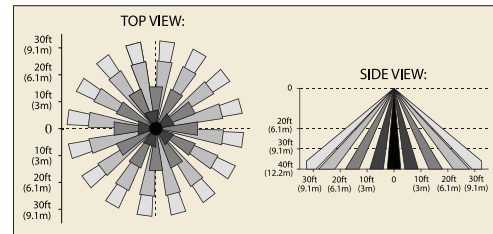
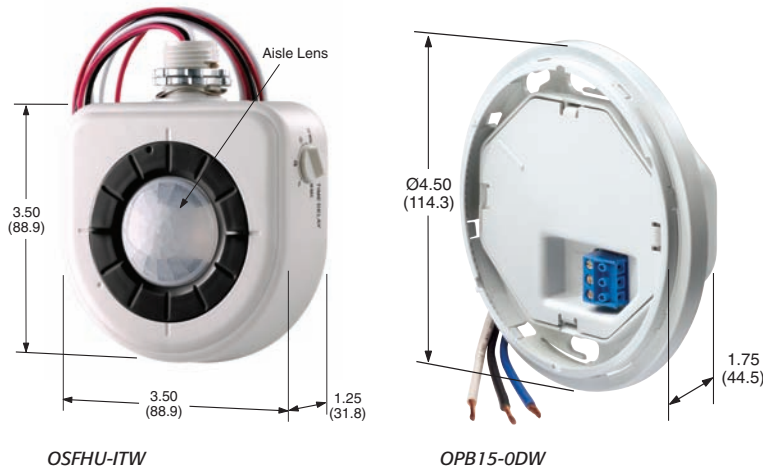
Ideal For Use In:

OSFHU-ITW — Commercial facilities with high ceilings, including warehouses, manufacturing and others.

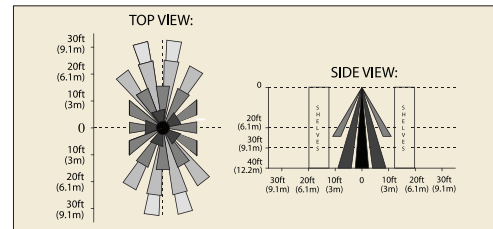
OPB15-0DW — Lavatories, remodels in hard ceiling spaces, energy conservation retrofits and any installation with limited access for low-voltage wiring.

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- NOM Certified (OPB15-0DW)
- CEC Title 24 compliant
- Backed by a Limited Five-Year Warranty



OSFHU-ITW 360° Field of View (in feet)



OSFHU-ITW Aisle Field of View (in feet)

SELF-CONTAINED INFRARED FIXTURE-MOUNT HIGH BAY OCCUPANCY SENSOR

Occupancy Sensors

Commercial Grade

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Self-Contained Fixture-Mount High Bay Occupancy Sensor with 360° open area lens and 60 x 20 ft. aisle pattern lens	osfhu-itw	Fluorescent: 800VA @ 120V, 1200VA @ 277V, 1500VA @ 347V Motor: 1/4HP @ 120V	360° lens: 40 ft with 60 ft dia. 30 ft with 50 ft dia. 20 ft with 50 ft dia. Aisle lens: 40 ft with 60 ft (length) x 20 ft (width)	White
Offset Adaptor Accessory for High Bay Fixture-Mount Occupancy Sensor	osfoa-00w	—	—	White

SELF-CONTAINED POWER BASE ADAPTOR

Occupancy Sensors

Commercial Grade

DESCRIPTION	CAT. NO.	Power Input/Output	RATING	COLOR
Power Base Adaptor — converts any Leviton low-voltage ceiling or wall-mount occupancy sensor to a self-contained line voltage unit	opb15-0dw	Power Input: 120/277VAC Control Output: 24VDC, 40mA	15A Incandescent, Electronic or Magnetic Fluorescent Ballast, 3/4 HP @ 120V	White

NOTE: See Page C28 for wiring diagrams.

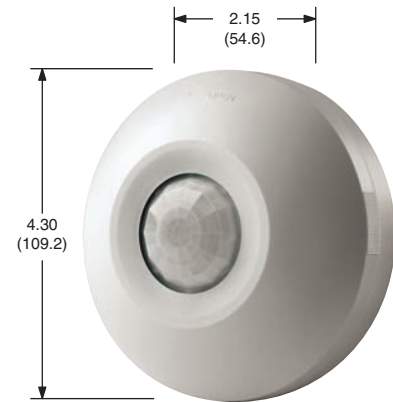
SELF-CONTAINED INFRARED CEILING-MOUNT OCCUPANCY SENSORS

SPECIFICATIONS & FEATURES

- Ideal for use in storage areas, small bathrooms, copy rooms, and a variety of small spaces without wall switches
- Sensor and switching relay combined in a single, self-contained unit—no control unit (power pack) required
- Ambient light override option prevents lights from turning on when there is ample natural light
- Adjustable delayed-off-time settings from 20 seconds (for test mode) to 15 minutes
- Small, unobtrusive self-contained unit

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- CEC Title 24 compliant and meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty



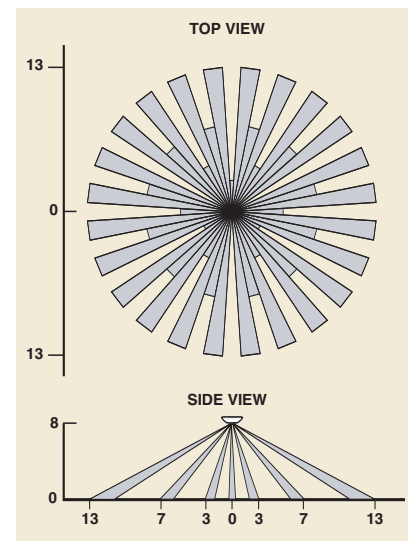
ODC0S-I1W

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay, 120V	odc0s-i1w	Incandescent: 1000W @ 120V. Fluorescent: 1000VA @ 120V. Motor: 1HP @ 120V. For 60Hz AC only	360°, 530SF*	White
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay, 220V	odc0s-i2w	Incandescent: 1000W @ 220V. Fluorescent: 500VA @ 220V. For 50Hz AC only	360°, 530SF	White
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay, 277V	odc0s-i7w	Fluorescent: 2700VA @ 277V. For 60Hz AC only	360°, 530SF	White
Protective Cage	odccg	—	—	White

* When surface mounted on standard, 8-foot ceiling

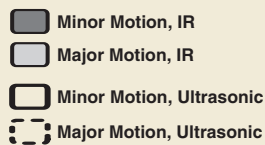
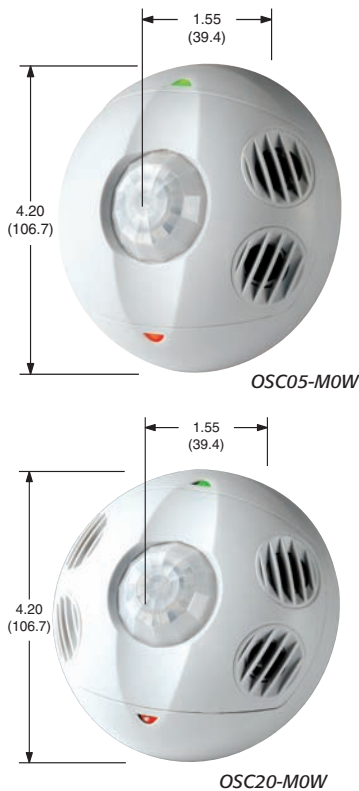
NOTE: See Page C28 for wiring diagrams.



ODC0S-I Field of View (in feet)

Energy Management & Dimming Products

Occupancy Sensor Product Listing



NOTE: See Page C28 for wiring diagrams.

MULTI-TECHNOLOGY CEILING-MOUNT OCCUPANCY SENSORS

These advanced motion sensors combine infrared and ultrasonic technology for highly accurate monitoring without false triggers. All-digital self-adjusting technology provides "install and forget" solution for automatic lighting control. Available in a variety of coverage patterns to suit many applications. Use with Leviton Power Pack or, where compatible, with Centura Dimming Power Pack.

SPECIFICATIONS & FEATURES

- Ideal for use in classrooms, office areas with cubicles, cafeterias and public areas in commercial facilities

Functional

- Ultrasonic sensing for maximum sensitivity combined with passive infrared (PIR) sensing to prevent false triggers from air conditioning and corridor activity
- Self-adjusting settings continuously analyze and adjust sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Ambient light override to prevent lights from turning on when there is ample natural light
- Manual delayed-off-time settings of 30 seconds to 30 minutes
- Self-adjusting delayed-off-time interval settings for 30 seconds to 30 minutes
- Compensates for real-time occupancy patterns—preventing unnecessary on/off switching
- Non-volatile memory preserves all automatic and manual settings during power outages

Physical

- Small, unobtrusive unit blends in with any décor
- Fast, simple installation using 4 color-coded low-voltage wires and a single mounting post
- Compatible with Wiremold® surface raceways for mounting to hard ceilings

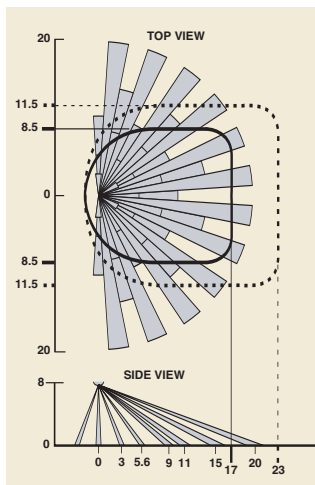
TESTING & CODE COMPLIANCE

- CUL/US, FCC and NOM Certified
- CEC Title 24 compliant and meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty

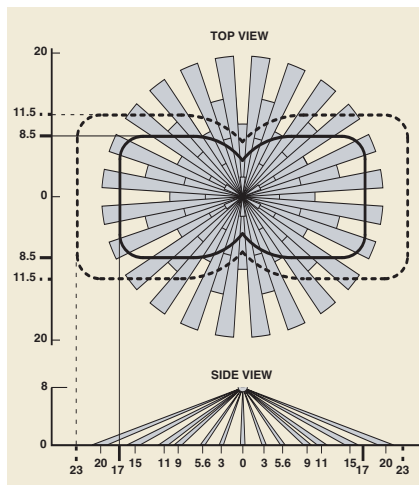
DESCRIPTION	CAT. NO.	OPERATING FREQUENCY	COMMERCIAL GRADE	
			COVERAGE	COLOR
Multi-tech Ceiling-Mount Occupancy Sensor*	osc05-m0w	40kHz	180°, 500SF	White
Multi-tech Ceiling-Mount Occupancy Sensor*	osc10-m0w	40kHz	360°, 1000SF	White
Multi-tech Ceiling-Mount Occupancy Sensor*	osc20-m0w	32kHz	360°, 2000SF	White
Protective Cage	odccg-000	—	—	White

*Compatible with Centura Fluorescent Energy Management System.

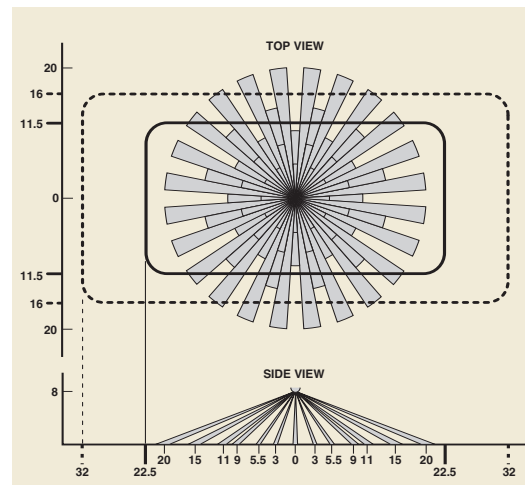
NOTE: Use low-voltage wiring to connect sensors to OSPXX Power Pack or if Centura-compatible, to a CN100 Power Pack (purchased separately). See Page C23 for information on OSP Power Packs.



OSC05-M0W Field of View (in feet)



OSC10-M0W Field of View



OSC20-M0W Field of View

ULTRASONIC CEILING-MOUNT OCCUPANCY SENSORS

Advanced ultrasonic sensing technology for highly accurate monitoring, including small-motion detection. All-digital self-adjusting technology provides "install and forget" solution for automatic lighting control. Use with Leviton Power Pack or, where compatible, Centura Dimming Power Pack.

SPECIFICATIONS & FEATURES

- Ideal for restrooms, office areas with cubicles, warehouse and storage facilities, cafeterias, and public areas in commercial facilities

Functional

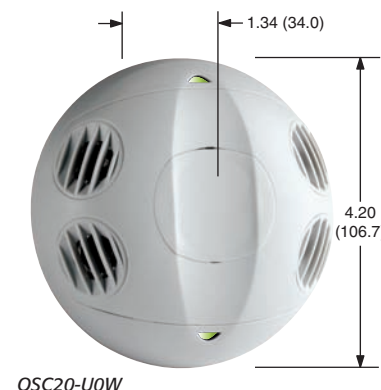
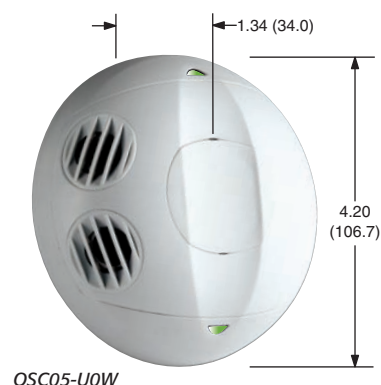
- Ultrasonic sensing for maximum range and sensitivity combined with accurate small-motion detection
- Self-adjusting settings continuously analyze and adjust sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Ambient light override to prevent lights from turning on when there is ample natural light
- Manual delayed-off-time settings of 30 seconds to 30 minutes
- Self-adjusting delayed-off time interval settings for 30 seconds to 30 minutes
Compensates for real-time occupancy patterns—preventing unnecessary on/off switching
- Non-volatile memory preserves all automatic and manual settings during power outages

Physical

- Small, unobtrusive unit blends in with any décor
- Fast, simple installation using 4 color-coded low-voltage wires and a single mounting post
- Compatible with Wiremold® surface raceways for mounting to hard ceilings

TESTING & CODE COMPLIANCE

- CUL/US Certified
- CEC Title 24 compliant and meets AHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty

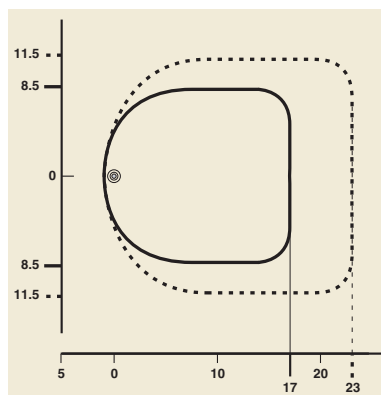
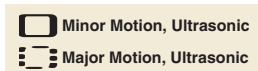


			COMMERCIAL GRADE	
DESCRIPTION	CAT. NO.	OPERATING FREQUENCY	COVERAGE	COLOR
Ultrasonic Ceiling-Mount Occupancy Sensor*	osc05-u0w	40kHz	180°, 500SF	White
Ultrasonic Ceiling-Mount Occupancy Sensor*	osc10-u0w	40kHz	360°, 1000SF	White
Ultrasonic Ceiling-Mount Occupancy Sensor*	osc20-u0w	32kHz	360°, 2000SF	White
Protective Cage	odccg-000	—	—	White

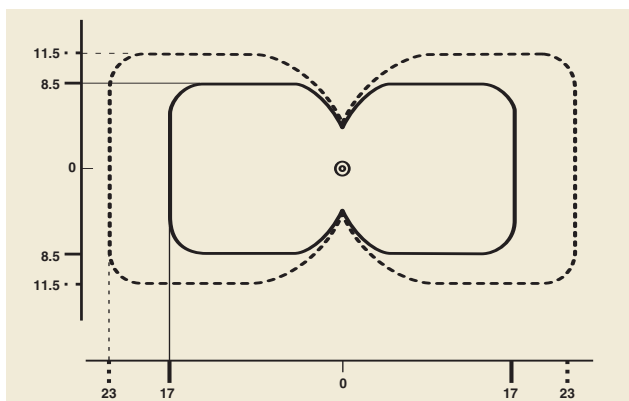
* Compatible with Centura Fluorescent Energy Management System.

NOTE: Use low-voltage wiring to connect sensors to OSPXX Power Pack or if Centura-compatible, to a CN100 Power Pack (purchased separately). See Page C23 for information on OSP Power Packs.

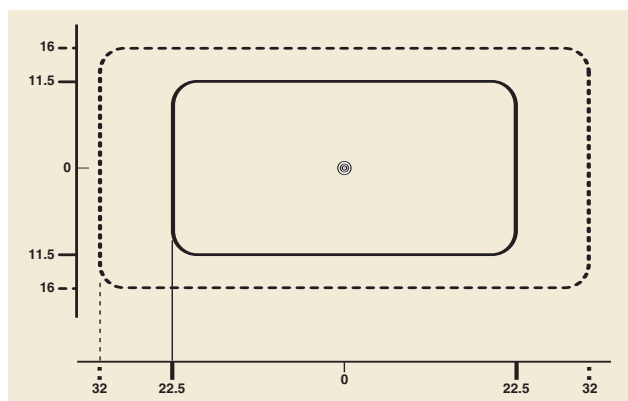
NOTE: See Page C28 for wiring diagrams.



OSC05-U0W Field of View (in feet)



OSC10-U0W Field of View



OSC20-U0W Field of View

Energy Management & Dimming Products

Occupancy Sensor Product Listing



OSC04-I0W

INFRARED CEILING-MOUNT OCCUPANCY SENSORS

SPECIFICATIONS & FEATURES

- Ideal for use in small offices, closets, open offices, and other areas in commercial facilities with unobstructed view of the sensor
- Functional**
 - Self-adjusting settings continuously analyze and adjust sensitivity, timer operation and long-term performance
 - Ambient light override prevents lights from turning on when there is ample natural light
 - Manual delayed-off-time settings of 30 seconds to 30 minutes
 - Self-adjusting delayed-off-time interval settings for of 30 seconds to 30 minutes. Compensates for real-time occupancy patterns—preventing unnecessary on/off switching
 - Non-volatile memory preserves all automatic and manual settings during power outages

Physical

- Small, unobtrusive unit blends in with any décor
- Fast, simple installation using 4 color-coded low-voltage wires and a single mounting post
- Compatible with Wiremold® surface raceways for mounting to hard ceilings

TESTING & CODE COMPLIANCE

- CUL/US Certified
- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty

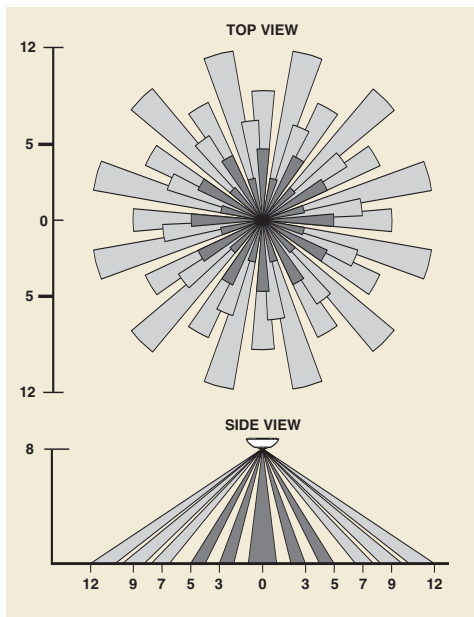
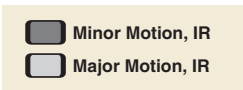
COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	COVERAGE	COLOR
Infrared Ceiling-Mount Occupancy Sensor*	osc04-i0w	360°, 450SF	White
Infrared Ceiling-Mount Occupancy Sensor*	osc15-i0w	360°, 1500SF	White
Protective Cage	odccg-000	—	White

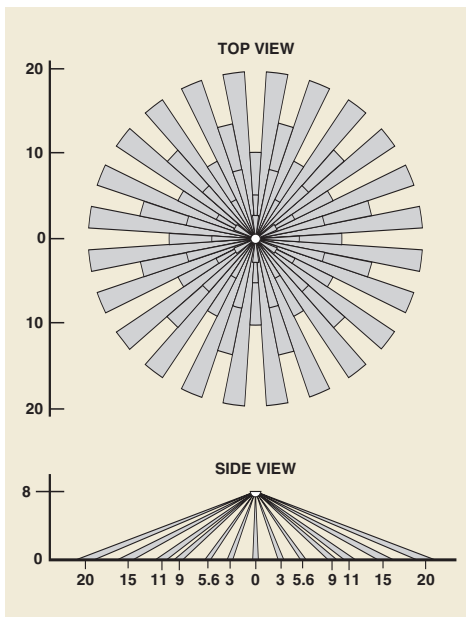
*Compatible with Centura Fluorescent Energy Management System.

NOTE: Use low-voltage wiring to connect sensors to OSPXX Power Pack or if Centura-compatible, CN100 Power Pack (purchased separately). See Page C23 for information on OSP Power Packs.

NOTE: See Page C28 for wiring diagrams.



OSC04-I0W Field of View (in feet)



OSC15-I0W Field of View

MULTI-TECHNOLOGY WALL-MOUNT OCCUPANCY SENSORS

SPECIFICATIONS & FEATURES

- Ideal for conference rooms, stairwells, high-ceiling rooms, open areas, storage rooms, and classrooms—including corner mounting in a variety of applications
- Ultrasonic sensing for maximum sensitivity combined with passive infrared (PIR) sensing to prevent false triggers from air conditioning and corridor activity
- Adjustable swivel neck rotates 85° vertically and 60° horizontally
Can be used for ceiling or wall mounting
- Self-adjusting settings continuously analyze and adjust sensitivity, timer operation, and air current compensation for reliable, long-term performance
- Ambient light override to prevent lights from turning on when there is ample natural light
- Manual delayed-off-time settings of 30 seconds to 30 minutes
- Self-adjusting delayed-off-time interval settings of 30 seconds to 30 minutes.
Compensates for real-time occupancy patterns, preventing unnecessary on/off switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post

TESTING & CODE COMPLIANCE

- CUL/US Certified
- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty



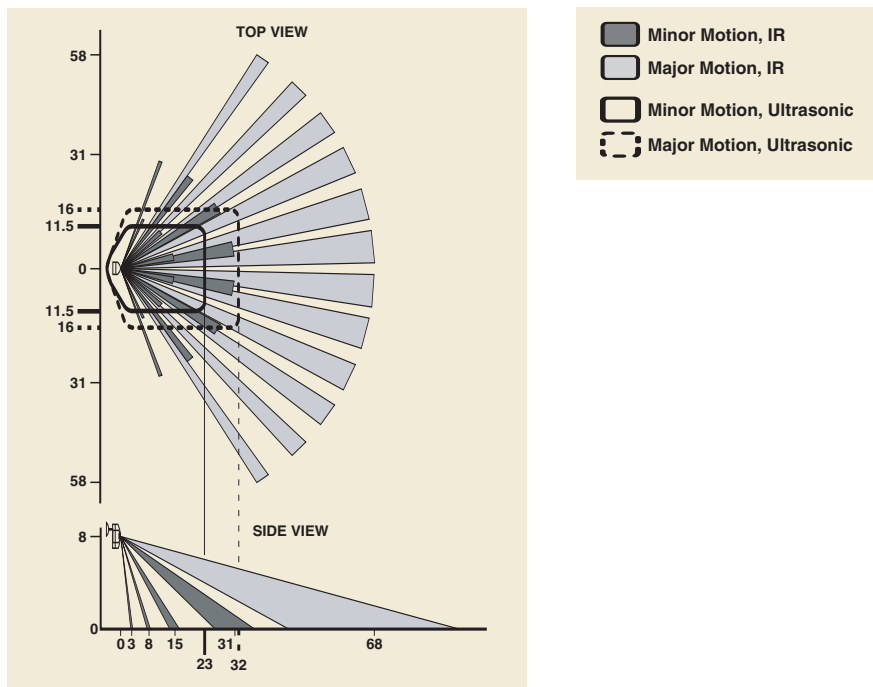
COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	OPERATING FREQUENCY	COVERAGE	COLOR
Multi-tech Wall-Mount Occupancy Sensor*	osw12-m0w	32kHz	115°, 1200SF	White

*Compatible with Centura Fluorescent Energy Management System.

NOTE: Use low-voltage wiring to connect sensors to OSPXX Power Pack, Power Base Adaptor or if Centura-compatible, to a CN100 Power Pack (purchased separately). See Page C23 for information on OSP Power Packs and Page C16 for information on the OPB15.

NOTE: See Page C29 for wiring diagrams.



OSW12-M0W Field of View (in feet)





INFRARED INDOOR WALL-MOUNT OCCUPANCY SENSORS

Advanced PIR technology for highly accurate monitoring. All-digital self-adjusting technology provides "install and forget" solution for automatic lighting control. Use with Leviton Power Pack or Power Base Adaptor or, where compatible, Centura Dimming Power Pack.

SPECIFICATIONS & FEATURES

- OSWWV-I: Ideal for conference rooms, stairwells, high-ceiling rooms, large open areas, parking garages, storage rooms, and rooms with pendant fixtures. Also ideal for corner mounting
- OSWHB-I & OSWLR-I: Ideal for monitoring long, narrow spaces such as warehouse aisles, hallways, closets, and storage areas. Also ideal for corner mounting
- Self-adjusting settings continuously analyze and adjust for optimum performance
- Adjustable swivel neck rotates 85° vertically and 60° horizontally. Can be used for ceiling or wall mounting
- Ambient light override prevents lights from turning on when there is ample natural light
- Manual delayed-off-time settings of 30 seconds to 30 minutes
- Self-Adjusting delayed-off-time interval settings for 30 seconds to 30 minutes
Compensates for real-time occupancy patterns—preventing unnecessary on/off switching
- Non-volatile memory preserves all automatic and manual settings during power outages
- Fast, simple installation using 3 color-coded low-voltage wires and a single mounting post

TESTING & CODE COMPLIANCE

- CUL/US Certified
- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty

WIDE-VIEW, HIGH-BAY & LONG RANGE INFRARED WALL-MOUNT OCCUPANCY SENSORS

DESCRIPTION	CAT. NO.	COVERAGE	COLOR
Wide-View Infrared Wall-Mount Occupancy Sensor*	oswwv-iow	115°, 2500SF	White
High-Bay Infrared Wall-Mount Occupancy Sensor*	oswhb-iow	55 ft., 7 ft. wide @ 30 ft. high	White
Long-Range Infrared Wall-Mount Occupancy Sensor*	oswlr-iow	100ft., 110° @ 10ft. high	White

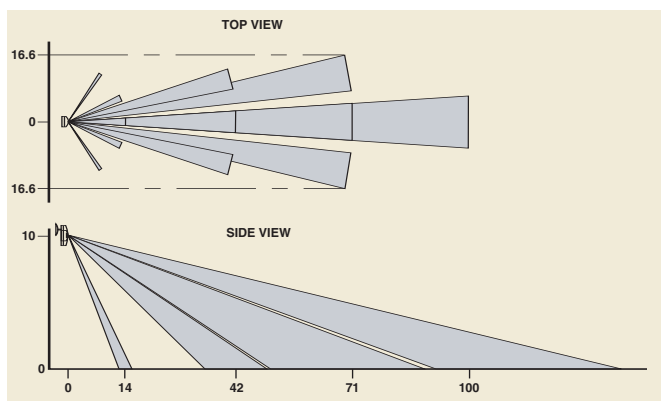
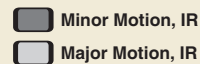
*Compatible with Centura Fluorescent Energy Management System.

NOTE: Use low-voltage wiring to connect sensors to OSPXX Power Pack, Power Base Adaptor or if Centura-compatible, to a CN100 Power Pack (purchased separately). See Page C23 for information on OSP Power Packs and Page C16 for information on the OPB15.

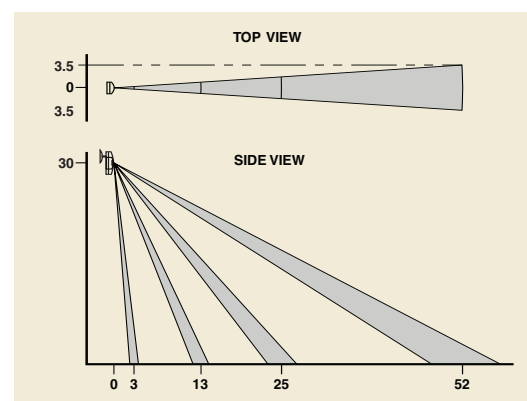
NOTE: See Page C29 for wiring diagrams.



OSWWV Field of View (in feet)



OSWLR Field of View



OSWHB Field of View

OCCUPANCY SENSOR POWER PACKS

Power packs provide power for occupancy sensors as well as load switching circuitry. A Leviton Power Pack is required with any low voltage occupancy sensor. Add-A-Relay units can be used to expand control capability.

SPECIFICATIONS & FEATURES

Power Pack

- For use with all OS Series occupancy sensors
- Power supply for OS Series occupancy sensors
- Switches incandescent, magnetic and electronic fluorescent, magnetic and electronic low voltage, and motor loads
- Compact size and light weight allows easy mounting through knockout in junction box (from either inside or outside the box) with a simple twist-on nut

Add-A-Relay

- Expands power pack load capacity by functioning as a supplementary relay
- Provides ability to switch loads in different voltage systems
- Compatible with electronic ballasts
- Same compact size and mounting features as Power Pack
- Zero-crossing switching circuitry for outstanding durability

Nipple Adapter

- Simplifies the connection of occupancy sensor to the low-voltage side of a power pack mounted inside a fluorescent ballast cavity
- 1/2" conduit lock nut included

TESTING & CODE COMPLIANCE

- CUL/US, FCC and NOM Certified
- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty



OSP20-RD0

Power Packs and Accessories

DESCRIPTION	CAT. NO.	POWER INPUT	RELAY RATING	COMMERCIAL GRADE	
				CONTROL INPUT	POWER SUPPLY OUTPUT
Power Pack	osp20-0d0	120/220/277VAC, 60Hz	20A fluorescent/incandescent @ 120V, 20A fluor. @ 277V; 1HP @ 120V, 2HP @ 240V	5mA, 24VDC	150mA, 24VDC
Power Pack w/ HVAC relay	osp20-rd0	120/220/277VAC, 60Hz	20A fluorescent/incandescent @ 120V, 20A fluor. @ 277V; 1HP @ 120V, 2HP @ 240V; HVAC: 0.5A @ 125VAC, 1A @ 30VDC	5mA, 24VDC	150mA, 24VDC
Power Pack w/ HVAC relay	osp15-r30	347VAC, 60Hz	15A fluorescent @ 347V; 1HP @ 120V, 2HP @ 240V; HVAC: 0.5A @ 125VAC, 1A @ 30VDC	5mA, 24VDC	120mA, 24VDC
Add-A-Relay Unit with HVAC relay	osa20-r00	—	15A incandescent @120V, 20A fluorescent @ 120V, 20A fluor. @ 277V, 15A fluor. @ 347V; HVAC: 0.5A @ 125VAC, 1A @ 30VDC	5mA, 24VDC	—
Low-Voltage Nipple Adapter with 1/2" Lock Nut for Power Pack and Add-A-Relay units				ospna-000	

Power Pack Capacity Formula

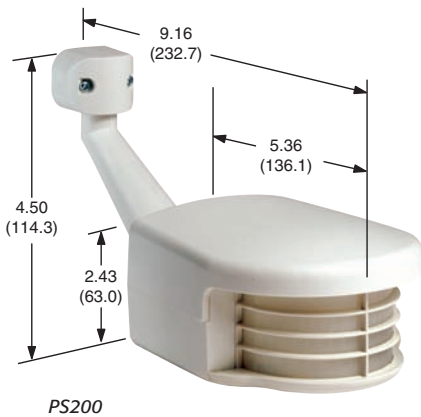
Leviton power packs can be used to provide power to one or more occupancy sensors. Since current consumptions of occupancy sensors may vary, the best way to ensure you order the correct number of power packs and add-a-relays is by using this formula:

$$\begin{array}{|c|} \hline \text{\# of sensor} \\ \text{Model As} \\ \times \\ \text{Sensor A current} \\ \text{consumption rating} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{\# of sensor} \\ \text{Model Bs} \\ \times \\ \text{Sensor B current} \\ \text{consumption rating...} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{\# of Add a} \\ \text{Relays} \\ \times \\ \text{50mA} \\ \hline \end{array} \leq 150\text{mA per power pack}$$

Sensor	Current Consumption
OSC04-I, OSC15-I, OSWHB-I, OSWLR-I, OSWWV-I	20mA
OSC05-M, OSC05-U, OSW12-M	30mA
OSC20-M, OSC20-U	32mA
OSC10-M, OSC10-U	40mA
OSA20-R00 Add a Relay	50mA

Energy Management & Dimming Products

Occupancy Sensor Product Listing



OUTDOOR MOTION SENSORS

Passive Infrared (PIR) outdoor motion sensors provide outstanding value in security lighting, as well as convenience, safety and energy savings for a wide range of commercial and residential applications.

SPECIFICATIONS & FEATURES

Professional Series

- Ideal for a wide range of commercial/industrial settings including parking areas, storage facilities, warehouses, loading docks, marina, garages, walkways, campus grounds, meat lockers, walk-in refrigerators/freezers, and outbuildings
- Adjustable sensitivity and immunity to RFI signals reduces false triggers
- Ambient light override prevents lights from turning on when there is ample natural light
- Surge suppression minimizes likelihood of damage due to electrical surges
- Temperature compensation feature ensures uniform performance in extreme hot or cold weather and during temperature fluctuations

Residential Series

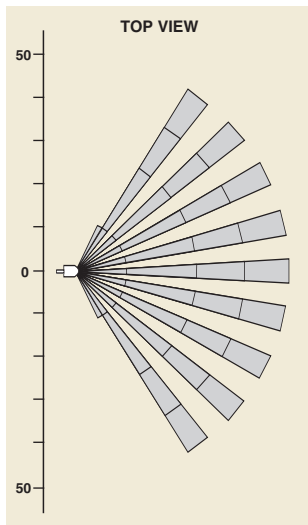
- Ideal for a wide range of residential settings including backyards, garages, entranceways, porches, swimming pool areas, doorways, and private docks
- Adjustable sensitivity reduces false triggers

Both Series

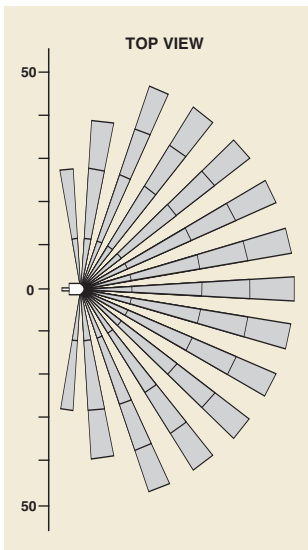
- Sensor neck adjustment allows accurate monitoring: 110° vertical, 180° horizontal, 110° rotational
- With or without dual floodlight lampholder
- Adjustable delayed-off-time settings from 20 seconds (for test mode) to 15 minutes
- Provides automatic, test and continuous modes. Test mode simulates automatic operation with short delayed-off-time for easy adjustments. Continuous mode enables manual override for constant "lights on" operation (when used with standard on/off switch)

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified
- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Five-Year Warranty



PS110/RS110 Field of View (in feet)



PS200 Field of View

OUTDOOR MOTION SENSORS

Professional Series

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Outdoor PIR Motion Sensor	ps200-10	Incandescent: 1000W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	200°	White
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	ps200-1f	Same as Above	200°	White
Outdoor PIR Motion Sensor	ps110-10	Same as Above	110°	White
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	ps110-1f	Same as Above	110°	White

COMMERCIAL GRADE

Residential Series

DESCRIPTION	CAT. NO.	RATING	COVERAGE	COLOR
Outdoor PIR Motion Sensor	rs110-10w	Incandescent: 500W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	110°	White
Outdoor PIR Motion Sensor with Dual Floodlight Lampholder	rs110-1fw	Incandescent: 500W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60Hz AC only	110°	White

RESIDENTIAL GRADE

ABOUT SENSING TECHNOLOGIES

Passive Infrared (PIR)

Infrared occupancy sensors are passive devices designed to detect the movement of heat-emitting bodies. They are installed to monitor areas where there are no physical obstructions to block the sensor's field of view. **HOW IT WORKS:** People naturally emit a small amount of infrared heat. As a person passes through the field of view, the sensor detects the motion as a change in the infrared background and responds by switching on area lights. After the field of view is unoccupied for a user-defined delayed-off time, the sensor will automatically turn off the lights.

Ultrasonic (US)

Ultrasonic sensing technology provides highly accurate small-motion detection. Leviton sensors employing ultrasonic technology are well suited to monitoring areas, especially smaller or narrow ones, with inanimate objects (such as furniture) that block the line of site and hence are likely to block the field of view of PIR sensors. They are also ideal where more sensitive detection is required. **HOW IT WORKS:** Ultrasonic occupancy sensors generate high frequency sound waves beyond the capability of human hearing, due to the Doppler Effect. These controls are active: continually emitting sound waves and monitoring changes in the return time of the reflected sound waves. Movement in the sound wave field causes a change in wave frequency and the sensor responds by switching on area lights. When the change in frequency is no longer detected after a delayed-off time, the sensor turns off the lights. Leviton ultrasonic sensors operate at a frequency outside the range of most hearing aid products and will not interfere with their ability to operate properly.

Multi-technology

Multi-technology occupancy sensors combine ultrasonic sensing for maximum sensitivity with PIR technology to prevent false triggers from air conditioning and corridor activity. These sensors are ideal for large, open areas including office areas with cubicles, general workspaces, warehouse and storage facilities, cafeterias, and public areas in commercial facilities. **HOW IT WORKS:** Leviton multi-technology sensors utilize both sensor technologies to determine when to turn the lights off.

Adaptive Definition

A dedicated internal microprocessor continually analyzes the room environment and adjusts itself automatically. The internal timer, detection sensitivity and thresholds are automatically adjusted. Once installed, a sensor incorporating adaptive technology should never require manual adjustment or calibration.

UNDERSTANDING SENSOR CATALOG NUMBERS

First 2 Letters	3rd Character: type of product	Last 2 Characters	–	1st Character of Suffix: sensor technology	2nd Character of Suffix: voltage	3rd Character of Suffix: color
OS = Occupancy Sensor OD = Occupancy Detector	C = Ceiling Mount W = Wall Mount P = Power Pack A = Add-A-Relay S = Switch Replacement F = Fixture Mount O = N/A	04 = 400sf 05 = 500sf or 5A 10 = 1000sf or 10A 12 = 1200sf 15 = 15A 20 = 2000sf OD = Dual relay OS = Self-contained CG = Cage HB = High Bay LR = Long Range MT = Multi-tech NA = Nipple Adapter RA = Raceway Adapter WV = Wide View	–	I = Infrared M = Multi-technology R = Relay (HVAC) T = CEC Title 24 Compliant U = Ultrasonic O = N/A	1 = 120V 2 = 230V 3 = 347V 7 = 277V D = 120/277V O = N/A	W = White I = Ivory A = Almond T = Light Almond G = Gray B = Brown O = N/A






Energy Management & Dimming Products

Occupancy Sensor Applications



ABOUT DIFFERENT SENSOR DESIGNS

Sensor Type	When to Use
Wall-Switch 	When you don't want to install a separate device, choose this sensor because it replaces an existing wall switch. Get both occupancy sensing and manual on/off switching in a single device.
Ceiling-Mount 	For 180° or 360° coverage of an area (360° sensor shown).
Wall-Mount 	For coverage of irregularly shaped areas and those with varying ceiling heights, as well as narrow hallway and high-bay corridor applications. For detection in spaces outside the field of view of other occupancy sensors. Can be pointed in different directions.

SELECTION & PLACEMENT

Sensors can be mounted in the middle of walls, in corners, or on ceilings. Occupancy sensors must be intelligently placed in order to ensure that motion is detected throughout an entire space. With a variety of models from which to choose, care should be taken to select the proper combination of sensors to cover an entire area with motion detection.

Factors to consider before selecting and placing an occupancy sensor include:

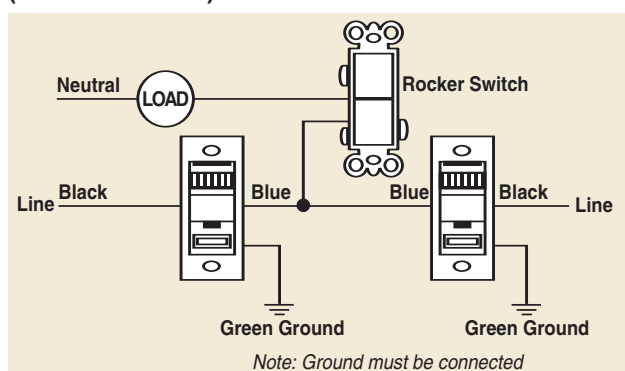
- Size and shape of area needing coverage compared to ranges of occupancy sensors
- Obstacles that may block the sensor's line of sight
- How much activity there is in a space • Ceiling height
- Airflow that can falsely register as motion • Location of HVAC ducts

Select a Centura-compatible occupancy sensor when installing an occupancy sensor within a Centura Energy Management System. In this case, the CN100 Power Pack provides power to the occupancy sensor (no OSPXX is required). Please note that Centura's Dimming Power Pack also has its own built-in HVAC relay.

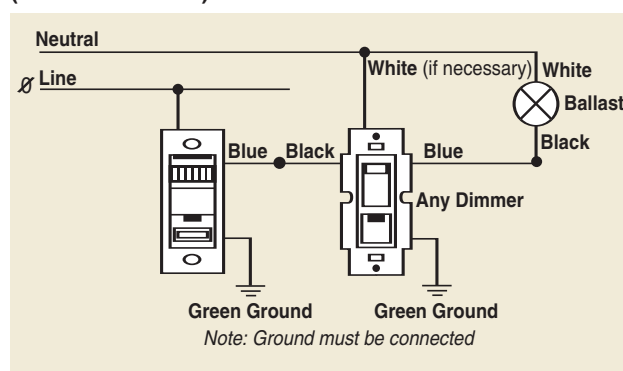
Leviton's Lighting Management Systems Division provides a complimentary occupancy-sensor layout service. This service provides suggested sensor selection and placement on a customer's drawings in either paper or electronic form, along with a bill of material detailing the components necessary for that layout. Send an e-mail to oslayout@leviton.com to request this service.

APPLICATION WIRING DIAGRAMS

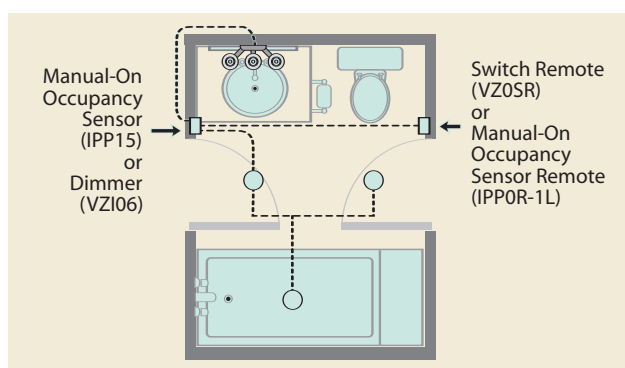
Two Occupancy Sensors Controlling One Load (manual override off)



Occupancy Sensor & Dimmer Controlling One Load (manual override off)



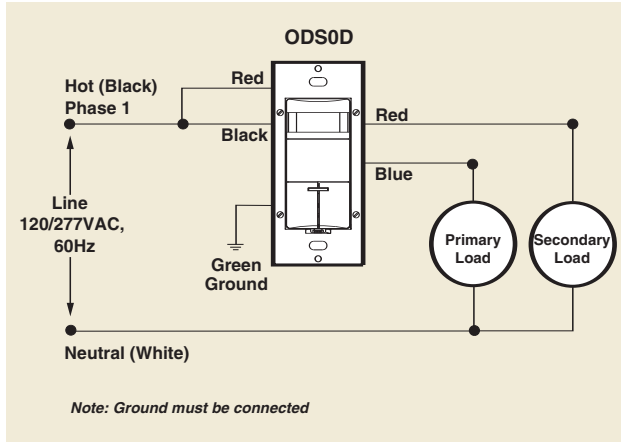
3-Way Applications for Manual-On Occupancy Sensor, Remote and Vizia Devices



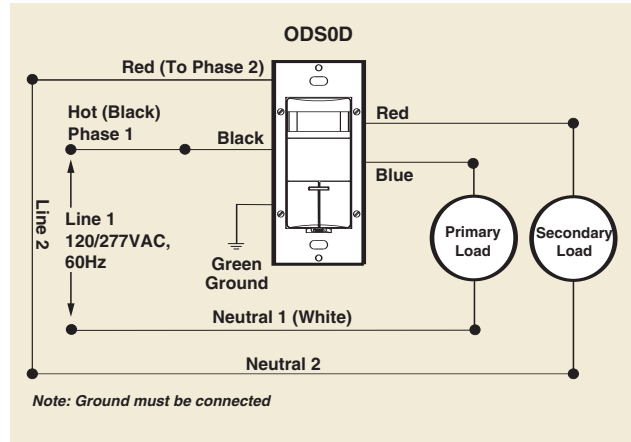
WIRING DIAGRAMS

WALL-SWITCH OCCUPANCY SENSORS

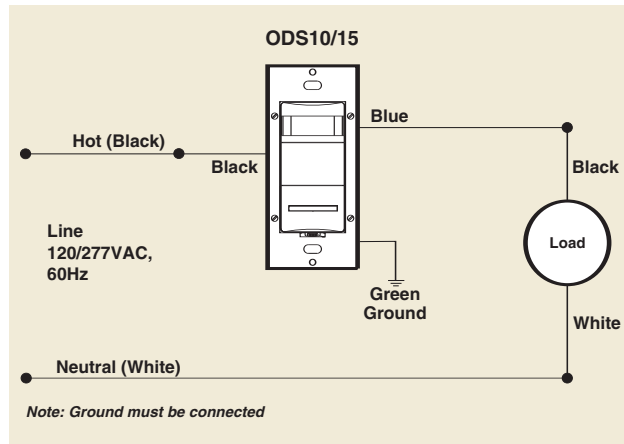
ODS0D Wall-Switch Occupancy Sensor Wiring Diagram
(For Single Pole, Single Phase Application)



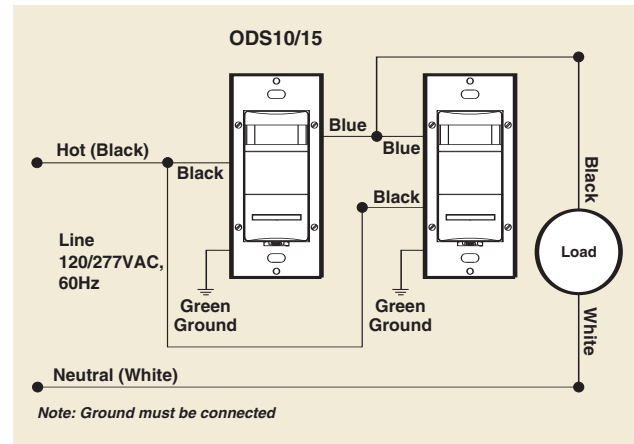
ODS0D Wall-Switch Occupancy Sensor Wiring Diagram
(For Single Pole, Two Phase Applications)



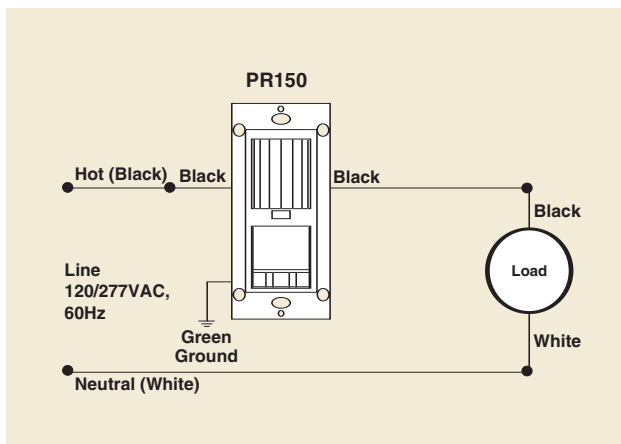
ODS10/15 Wall-Switch Occupancy Sensor Wiring Diagram,
Single Location Control



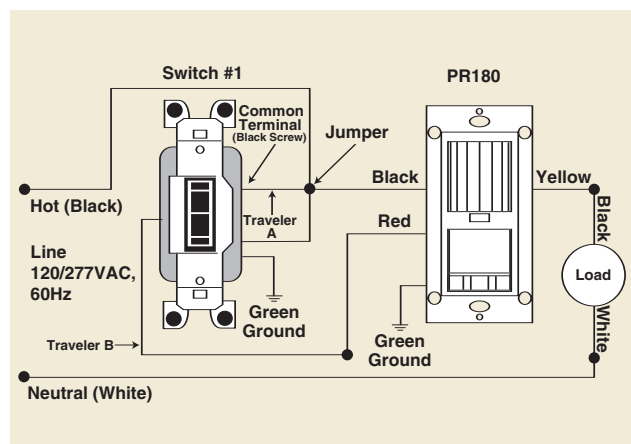
ODS10/15 Wall-Switch Occupancy Sensor Wiring Diagram,
Two-Location Control



PR150 Wall-Switch Occupancy Sensor Wiring Diagram



PR180 Wall-Switch Occupancy Sensor 3-Way Wiring Diagram



Energy Management & Dimming Products

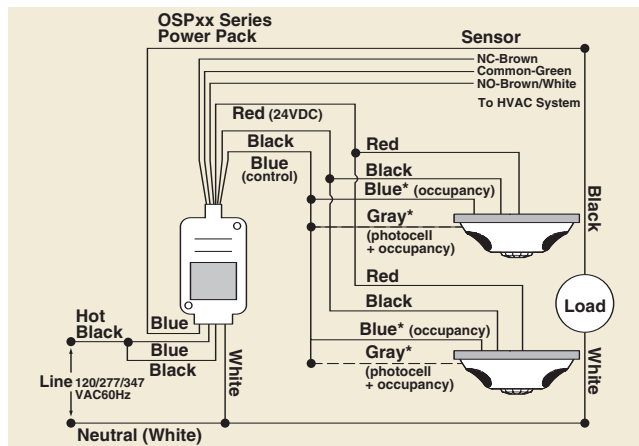
Occupancy Sensor Technical Information



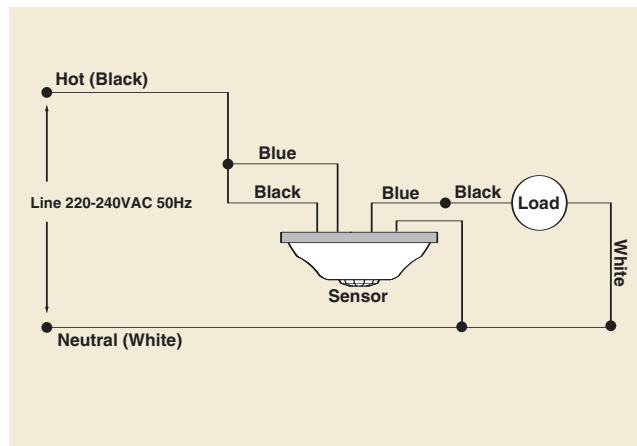
WIRING DIAGRAMS

CEILING-MOUNT OCCUPANCY SENSORS

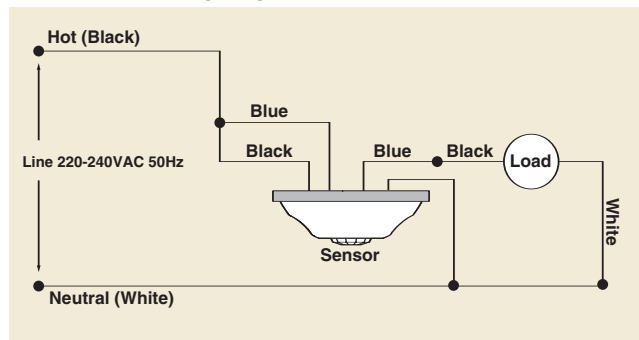
OS-Series Ceiling Mount Occupancy Sensor (with Power Pack) Wiring Diagram



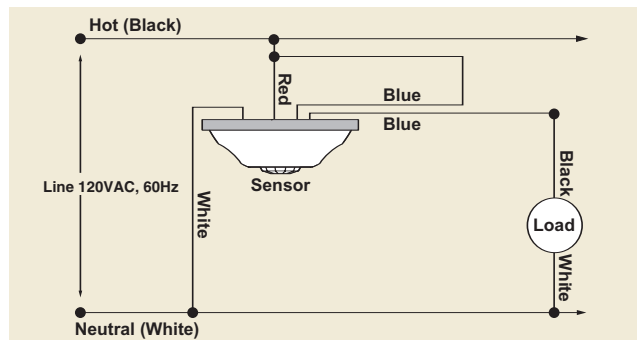
ODC05-I2 Ceiling Mount Occupancy Sensor, Single-Location Wiring Diagram



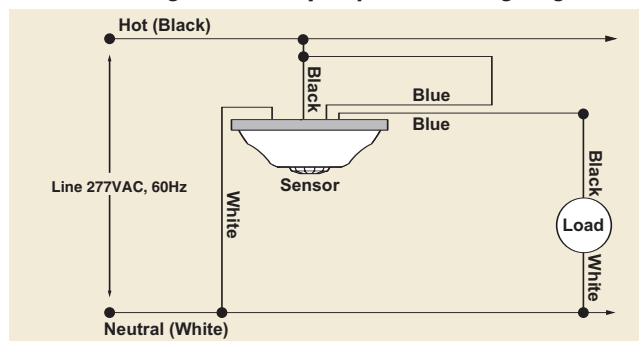
ODC05-I2 Ceiling Mount Occupancy Sensor, Two-Location Wiring Diagram



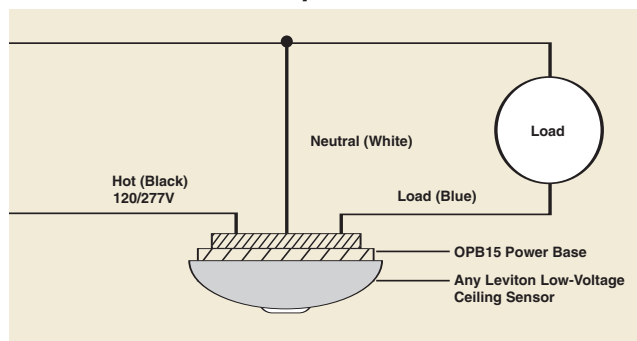
ODC05-I1 Ceiling Mount Occupancy Sensor Wiring Diagram



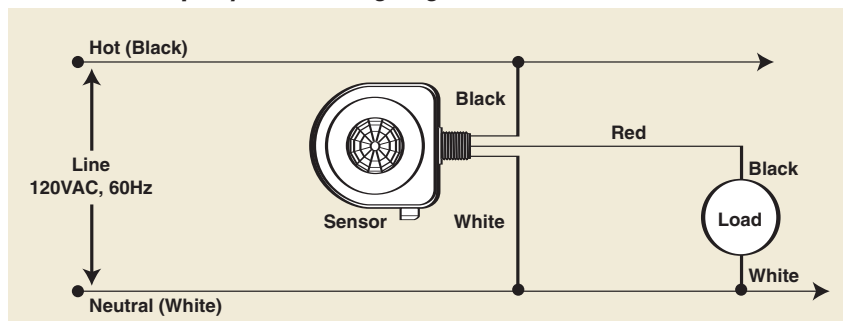
ODC05-I7 Ceiling Mount Occupancy Sensor Wiring Diagram



OPB15-0DW Power Base Adaptor



OSFHU-ITW Occupancy Sensor Wiring Diagram

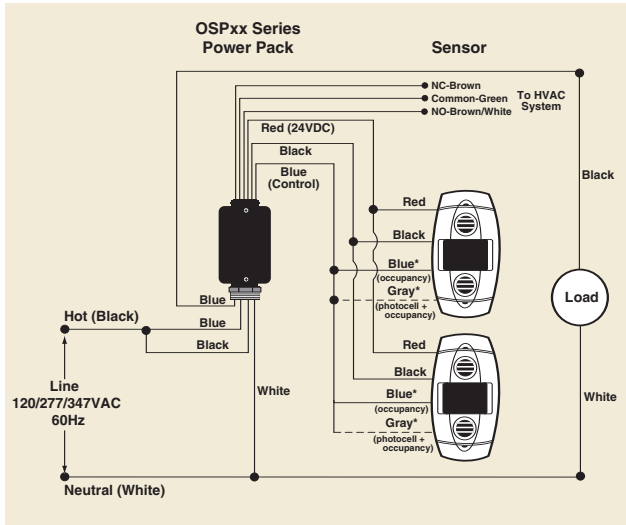


*When the photocell function is not being used, connect the Blue Occupancy Sensor lead to the Blue Power Pack lead. When using the Photocell function, connect the Gray Occupancy Sensor lead to the Blue Power pack lead—Do not use the Blue Occupancy Sensor lead for the photocell function.

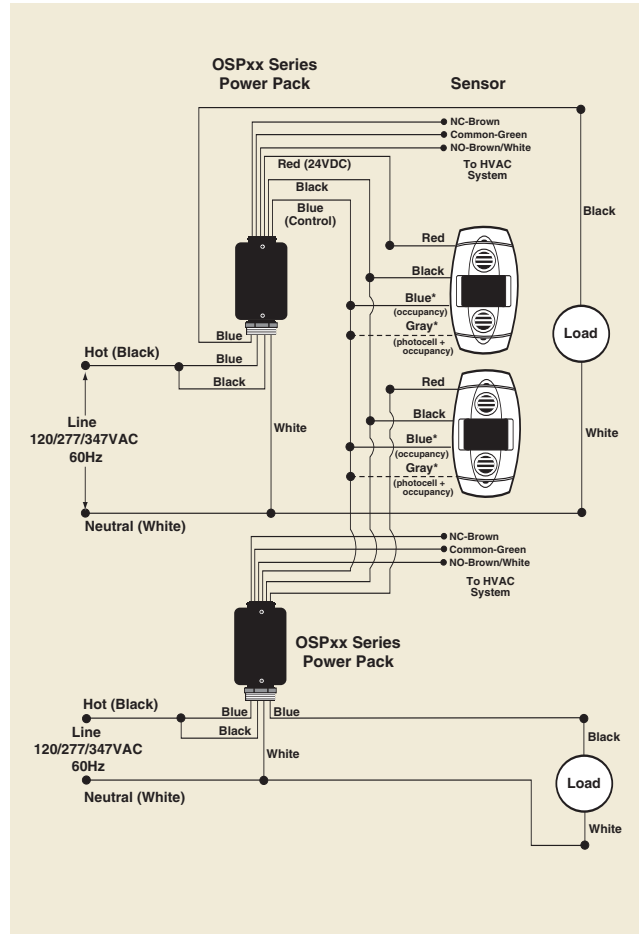
WIRING DIAGRAMS

WALL-MOUNT OCCUPANCY SENSORS

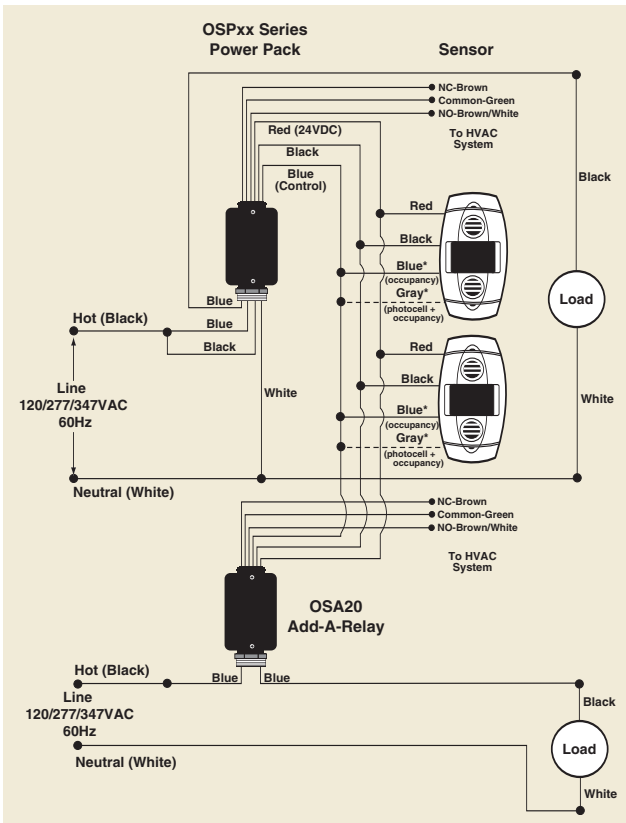
OSWxx Occupancy Sensor Wiring Diagram with Single Power Pack



OSWxx Occupancy Sensor Wiring Diagram with Multiple Power Packs



OSWxx Occupancy Sensor Wiring Diagram with Power Pack and Add-A-Relay



*When the photocell function is not being used, connect the Blue Occupancy Sensor lead to the Blue Power Pack lead. When using the Photocell function, connect the Gray Occupancy Sensor lead to the Blue Power pack lead—Do not use the Blue Occupancy Sensor lead for the photocell function.

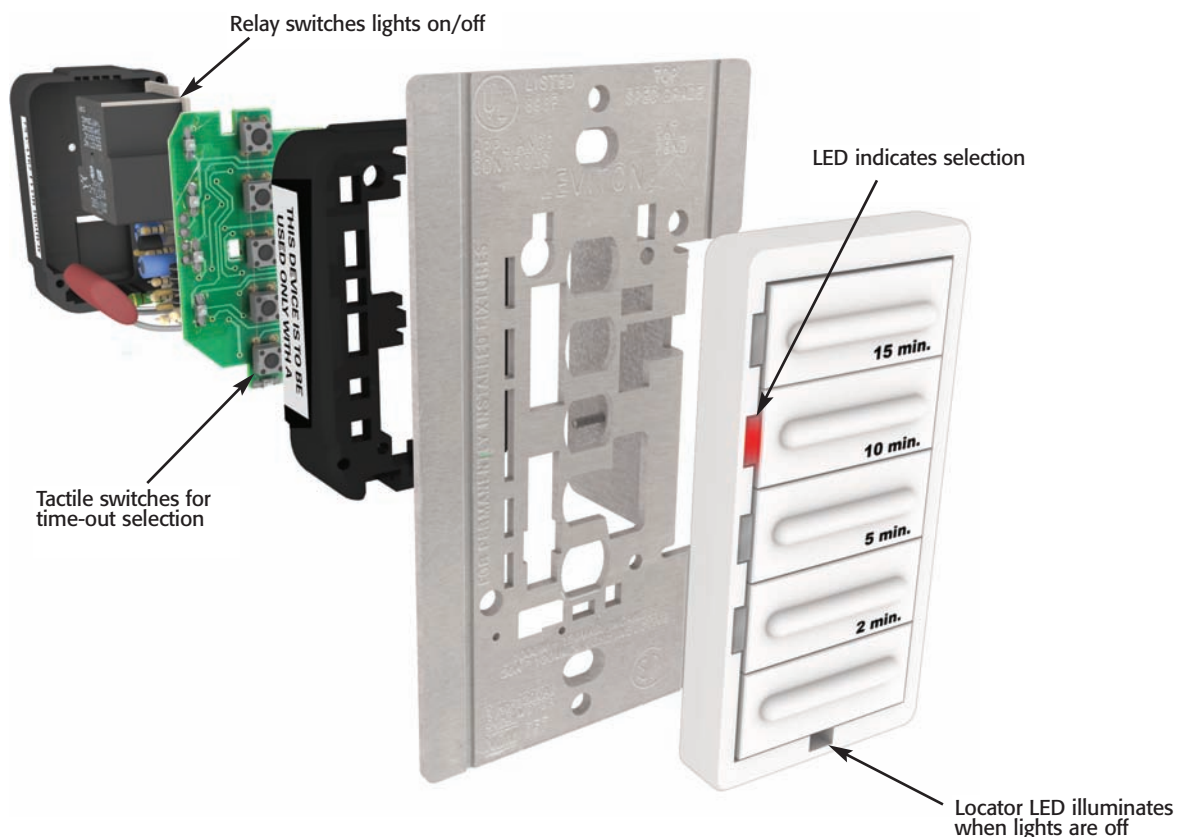
Energy Management & Dimming Products

Electronic Timer Switches Overview



DECORA® ELECTRONIC TIMER SWITCHES

The Leviton line of timer switches provides quiet, accurate electronic timing for reliable lighting and motor control. Electronic timers can be used not only to reduce energy costs, automated switching also contributes to anti-theft measures if used when a home is left unoccupied; to general safety by turning lights on before you arrive home; and to convenience, for example, by turning on the pool filter automatically. A variety of preset electronic and fully programmable models feature specifications to fit every application. All switches come with matching Decora® or Decora Plus wallplate.

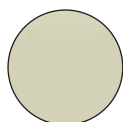


- **Preset timers with settings from 2 minutes to 12 hours**
- **Programmable units initiate scheduled switching at the touch of a button (Second touch to turn load off)**
- **Programmable units retain schedule during power outages via backup batteries**
- **No moving parts to break or rotary wind-up ticking noise**
- **Contemporary styling coordinates with other Decora designer devices**
- **Install in single-gang wallboxes in place of standard switches—ideal for new construction, retrofitting, and remodeling**

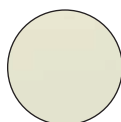
Available Colors



White



Ivory



Almond

DECORA PLUS PRESET ELECTRONIC TIMER SWITCHES

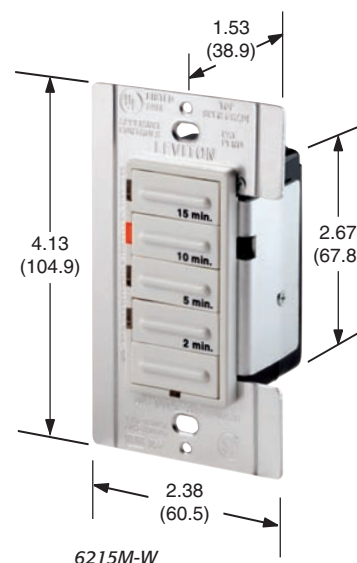
Leviton timers add contemporary styling to any commercial or residential application. Built to the highest performance standards, Decora electronic timers provide long-lasting, trouble-free service life. Decora Plus preset timers are ideal for heat lamps, foyer and outdoor lights, hot tubs, spas, and attic and exhaust fans.

SPECIFICATIONS & FEATURES

- Four preset buttons plus Off for timed control of lights and appliances
- LEDs indicate time elapsed and last LED flashes a two-minutes-until-off warning
- Installs easily in single gang wallbox in place of standard switch
- Matching Decora Plus wallplate included

TESTING & CODE COMPLIANCE

- UL Listed and CSA and NOM Certified
- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Two-Year Warranty



3-Wire Timer Switches (single pole, neutral required)

COMMERCIAL GRADE

DESCRIPTION	CAT. NO.	RATING	INTERVAL	COLOR
3-Wire 15-minute Timer with 4 Preset Buttons & Off	6215m	120VAC 60Hz, 1000W Incandescent, 20A Inductive, 1 HP @ 120V. Compatible with electronic ballasts	2-5-10-15 minutes	W, I, A*
3-Wire 30-minute Timer with 4 Preset Buttons & Off	6230m	Same As Above	5-10-15-30 minutes	W, I, A*
3-Wire 1-hour Timer with 4 Preset Buttons & Off	6260m	Same As Above	10-20-30-60 minutes	W, I, A*
3-Wire 12-hour Timer with 4 Preset Buttons & Off	6212h	Same As Above	2-4-8-12 hours	W, I, A*

2-Wire Timer Switches (single pole)

RESIDENTIAL GRADE

DESCRIPTION	CAT. NO.	RATING	INTERVAL	COLOR
15-minute Timer with 4 Preset Buttons & Off	6515m	120VAC 60Hz, 600W Incandescent, 5A Inductive. Not compatible with electronic ballasts	2-5-10-15 minutes	W, I, A*
30-minute Timer with 4 Preset Buttons & Off	6530m	Same As Above	5-10-15-30 minutes	W, I, A*
60-minute Timer with 4 Preset Buttons & Off	6560m	Same As Above	10-20-30-60 minutes	W, I, A*
12-hour Timer with 4 Preset Buttons & Off	6512h	Same As Above	2-4-8-12 hours	W, I, A*

* Add suffix to catalog number for color: White (-W), Ivory (-I), Almond (-A). Comes with matching Decora wallplate.

NOTE: See Page C33 for guidelines to selecting the appropriate timer and Page C34 for wiring diagrams.

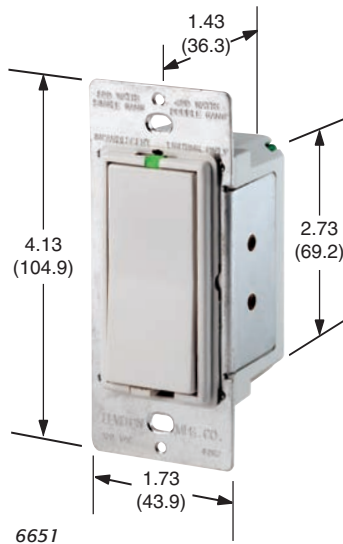
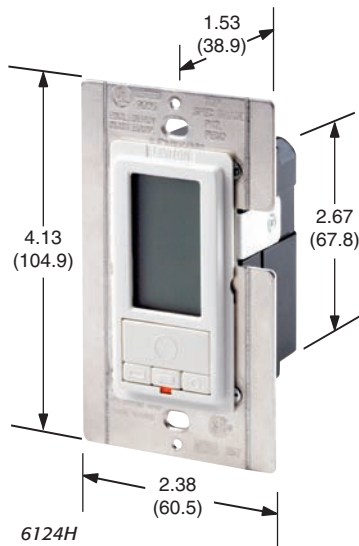


Energy Management & Dimming Products

Electronic Timer Switches



TIMER • PRODUCT LISTING



DECORA ELECTRONIC PROGRAMMABLE TIMER SWITCHES

This residential line of programmable timers features Decora styling to enhance any interior. Impact-resistant thermoplastic face and quality construction provides long service life and superior performance.

SPECIFICATIONS & FEATURES

24-hour Timer

- Ideal for a wide variety of commercial and residential applications including outdoor lighting, pools, motors, sprinklers, exhaust and attic fans, bathroom heat lamps, hot tubs and spas, whole house exhaust fans, office lights, janitor closets, and landscape and security lighting
- Permits separate on or off scheduling for half-hour periods of the day; on/off manual control available
- Features easy-to-read LCD and easy-to-use programming buttons

14-hour Timer

- Ideal for residential incandescent lighting control including indoor, outdoor, and seasonal lighting
- Automatic daily control with manual override for set-it-and-forget-it convenience
- Automates daily switching program (up to 14 hours) by responding to dip switch on or off position for each hour; repeats until function switch is moved to manual or off mode

Countdown Timer

- For residential and light commercial applications including indoor and outdoor lighting, office lights, and ceiling fans
- Simple rotary-dial time selection of settings from 1 minute to 18 hours; on/off manual control available
- Illuminated LED indicates load is on. Blinking LED and annunciator sound indicate end of time cycle

TESTING & CODE COMPLIANCE

- UL Listed and CSA Certified

COMMERCIAL GRADE				
DESCRIPTION	CAT. NO.	RATING	INTERVAL	COLOR
24-Hour LCD Programmable Timer Switch	6124h	1200W Incandescent; 1200VA Inductive @ 120VAC 60Hz; Motor: 1 HP @ 120VAC 60Hz UL, 3/4 HP @ 120VAC 60Hz CSA. Neutral connection required. Compatible with electronic ballasts	24-Hour on/off scheduling in 30-minute intervals	W, I, A*
RESIDENTIAL GRADE				
DESCRIPTION	CAT. NO.	RATING	INTERVAL	COLOR
14-Hour Segment-Programmable Timer Switch	6651	40W min, 500W max. @120VAC 60Hz, Incandescent only. Neutral not required. Not compatible with electronic ballasts	14-Hour on/off scheduling in hourly intervals	W, I, A*
Rotary-Dial Variable Countdown Timer Switch	6652	600W Incandescent; 20A Inductive Motor: 1 HP @ 120VAC 60Hz Neutral connection required. Compatible with electronic ballasts	1 minute to 18 hours	W, I, A*

* Add suffix to catalog number for color: White (-W), Ivory (-I), Almond (-A). Comes with matching Decora wallplate.
(6124H cannot be used with Decora Plus Screwless Snap-On Wallplates.)

NOTE: See Page C33 for guidelines to selecting the appropriate timer and Page C34 for wiring diagrams.

SELECTING THE RIGHT TIMER

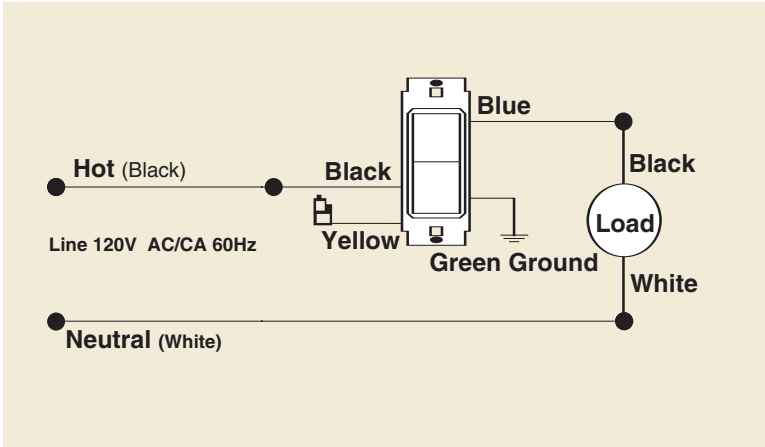
	Primary Use	When to Use	Typical Applications
Preset Electronic Timer	Prevent lights/appliances from being left on, for energy management	To ensure that whatever is turned on does not remain on after a certain period of time, while giving the user some flexibility as to how long this "on"-period lasts	Heat lamps, foyers, outdoor lights, hot tubs, spas, and attic and exhaust fans
24-Hour Programmable Timer	Automate light/appliance switching over a 24-hour period	When you want to schedule something to go on or off multiple times, that may span a period of up to 24 hours	Commercial and residential outdoor lighting, pools, motors, sprinklers, exhaust and attic fans, bathroom heat lamps, hot tubs and spas, whole-house exhaust fan scheduling, office lights, janitor closets, landscape and security lighting
14-Hour Programmable Timer	Automate light/appliance switching over a 14-hour period	When you want to schedule something to go on or off multiple times over a period no longer than 14 hours. For example, if you need something to go on and off only at night time (such as holiday lights that turn on in the evening and off later at night)	Residential incandescent lighting control including indoor, outdoor, and seasonal lighting
Variable Countdown Timer	Residential security systems	If you want lights and/or appliances to automatically turn on and off at somewhat random times each day. An ideal choice for giving your house a lived-in look while you are away, to help deter break-ins	Residential applications including indoor and outdoor lighting, and ceiling fans

MAIN ADVANTAGES OF ELECTRONIC TIMERS OVER MANUAL TIMERS

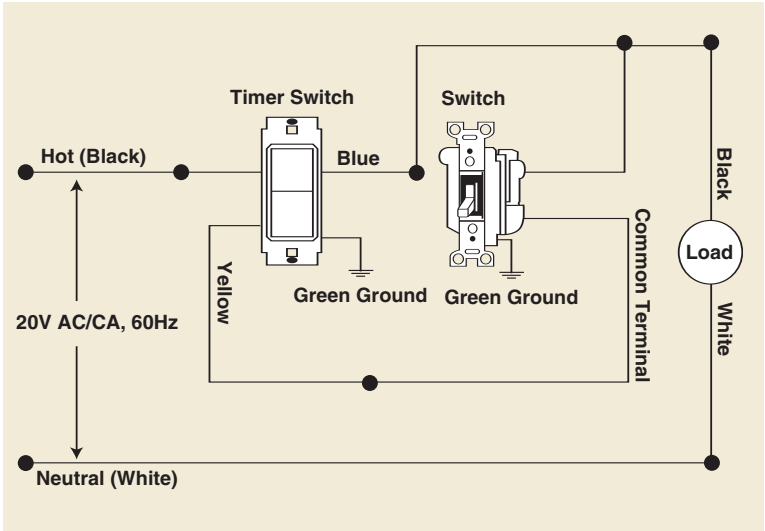
- Retain programmed schedules during power outages
- Quieter: no moving parts means that electronic timers do not make noise while operating or programming

WIRING DIAGRAMS

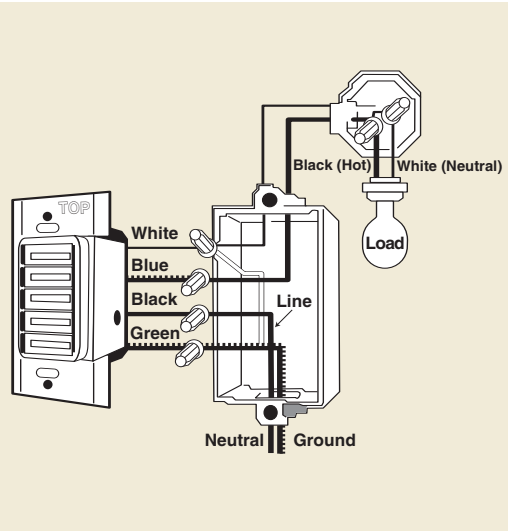
6651 Timer Wiring Diagram, Single Pole Application



6651 Timer Wiring Diagram, 3-Way Application

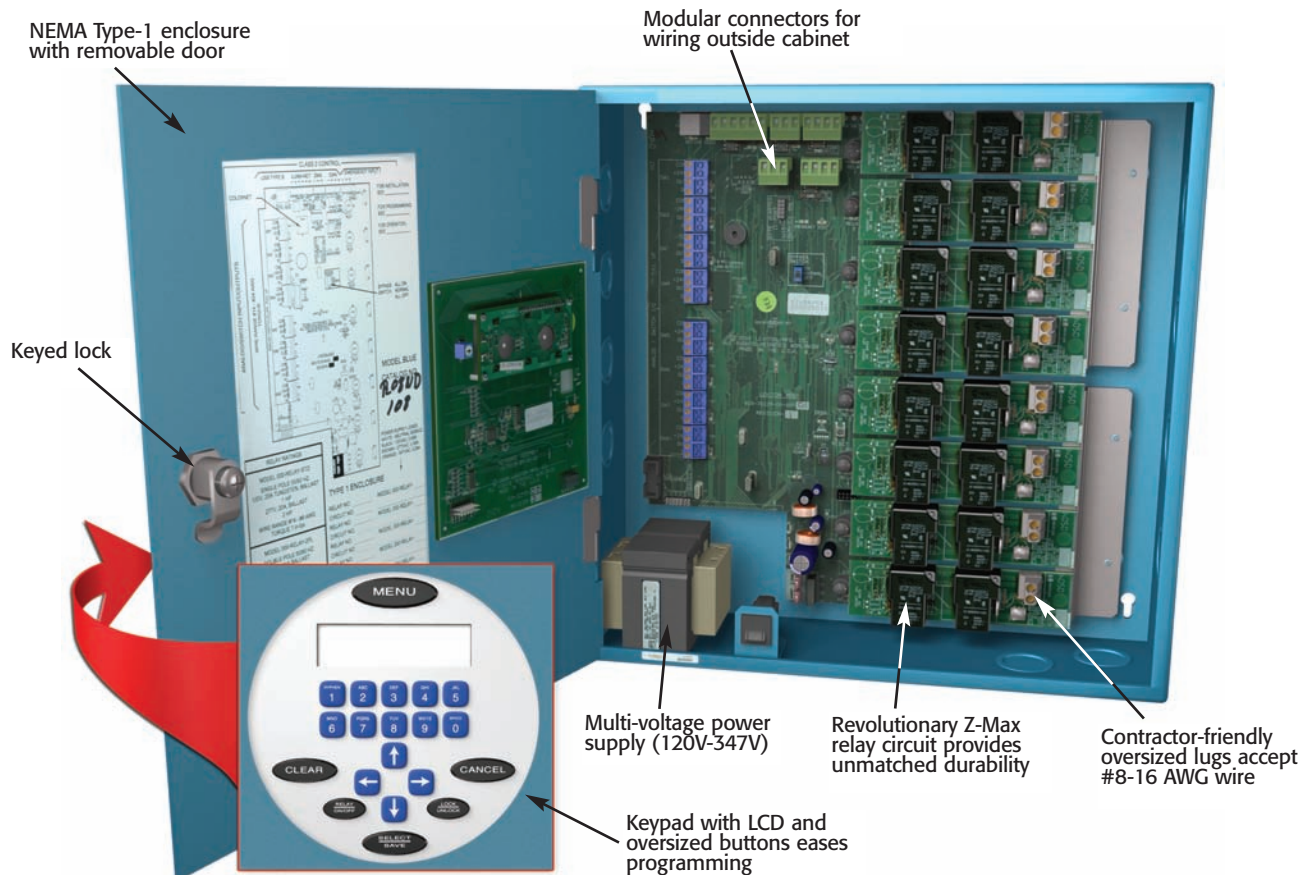


6212H Timer Wiring Diagram



Z-MAX LIGHTING CONTROL RELAY SYSTEMS

The Leviton Z-MAX™ line of timed lighting controls and relays provides advanced scheduling of lighting and other loads in applications where a time clock is typically used in conjunction with switching contactors. All Z-MAX models feature easy-to-use menu-driven programming and configuration, a programmable time clock and output relays in a compact cabinet, and several optional accessories for remote control. Z-MAX relay panels are ideal for cafeterias, auditoriums, offices, parking facilities, gymnasiums, pools, educational facilities, and landscape and security lighting. A number of wall stations, flush trim kits and other accessories are available.



- In four versions: 8-relay non-networked and 8-relay, 24-relay, 48-relay networked
- Single-circuit relay cards simplify maintenance and expansion
- Integrated astronomical time clock
- Individually replaceable relays rated for all light sources as well as motors
- Single-pole and two-pole relays fit in the same location
- Normal or emergency panel capability
- Compatible with occupancy sensors, photocells, digital and low-voltage wall stations and more

Available Colors



Blue



8-Relay and 24-Relay Z-MAX Cabinets

Z-MAX RELAY CABINETS

Leviton Z-MAX relay cabinets come in four versions: 8-relay non-networked and 8-relay, 24-relay and 48-relay networked. Standalone cabinets are best suited to advanced scheduling of a single area, while networked cabinets provide centralized control for large multi-office and multi-building sites. The 24-relay and 48-relay models are available in slave versions. The main control module handles up to 96 inputs and 96 relays, and utilizes low voltage wiring as the panel interconnect. All cabinets are pre-wired and factory tested.

SPECIFICATIONS & FEATURES

- Easy-to-program keypad control module with LCD screen and straightforward menus—in plain English (not code)
- Internal time clock with astronomical clock, daylight savings time, and holiday scheduling features
- Generous wiring space and easy-to-wire terminals
- Switch inputs with override capability for each relay
- Hinged, removable door with keyed lock
- Works with analog controllers, low voltage switches, discrete and analog photocells, and occupancy sensors; Networkable versions also with Z-MAX Digital Switches, Dimensions D4200/D8000 and DMX 512 controllers

Accessories

- Telephone and modem interface modules
- Z-MAX Switch Stations
- Additional switch input board
- Ethernet module
- Photocell
- Flush trim kits
- Voltage barriers
- PC-based programming software

TESTING & CODE COMPLIANCE

- UL Listed (for individual load types) and CUL Listed
- California Title 24 compliant and meets ASHRAE Standard 90.1 requirements
- NOM certified
- Limited Two-Year Warranty on cabinet
- Ten-Year Warranty on relay cards



Z-MAX RELAY CABINETS

8-Relay Z-MAX Cabinets

With 8 switch inputs and 20A output relays

DESCRIPTION	CAT. NO. NETWORK VERSION	CAT. NO. STAND-ALONE VERSION	INPUT POWER	COLOR
Standard 8-Relay Cabinet (no relays)	r08nd-000	r08bd-000	120, 277, 347V	Blue
8-Relay Cabinet with 4 standard relays	r08nd-104	r08bd-104	120, 277, 347V	Blue
8-Relay Cabinet with 8 standard relays	r08nd-108	r08bd-108	120, 277, 347V	Blue
8-Relay Cabinet with 4 2-pole relays	r08nd-204	r08bd-204	120, 277, 347V	Blue
8-Relay Cabinet with 8 2-pole relays	r08nd-208	r08bd-208	120, 277, 347V	Blue
8-Relay Cabinet with 4 347V relays	r08nd-c04	r08bd-c04	120, 277, 347V	Blue
8-Relay Cabinet with 8 347V relays	r08nd-c08	r08bd-c08	120, 277, 347V	Blue

24-Relay Z-MAX Cabinets

With 12 switch inputs and 20A output relays

DESCRIPTION	CAT. NO. MASTER VERSION	CAT. NO. SLAVE VERSION	INPUT POWER	COLOR
Standard 24-Relay Cabinet (no relays)	r24md-000	r24sd-000	120, 277, 347V	Blue
24-Relay Cabinet with 12 standard relays	r24md-112	r24sd-112	120, 277, 347V	Blue
24-Relay Cabinet with 24 standard relays	r24md-124	r24sd-124	120, 277, 347V	Blue
24-Relay Cabinet with 12 2-pole relays	r24md-212	r24sd-212	120, 277, 347V	Blue
24-Relay Cabinet with 24 2-pole relays	r24md-224	r24sd-224	120, 277, 347V	Blue
24-Relay Cabinet with 12 347V relays	r24md-c12	r24sd-c12	120, 277, 347V	Blue
24-Relay Cabinet with 24 347V relays	r24md-c24	r24sd-c24	120, 277, 347V	Blue

48-Relay Z-MAX Cabinets

With 12 switch inputs and 20A output relays

DESCRIPTION	CAT. NO. MASTER VERSION	CAT. NO. SLAVE VERSION	INPUT POWER	COLOR
Standard 48-Relay Cabinet (no relays)	r48md-000	r48sd-000	120, 277, 347V	Blue
48-Relay Cabinet with 12 standard relays	r48md-112	r48sd-112	120, 277, 347V	Blue
48-Relay Cabinet with 24 standard relays	r48md-124	r48sd-124	120, 277, 347V	Blue
48-Relay Cabinet with 36 standard relays	r48md-136	r48sd-136	120, 277, 347V	Blue
48-Relay Cabinet with 48 standard relays	r48md-148	r48sd-148	120, 277, 347V	Blue
48-Relay Cabinet with 12 2-pole relays	r48md-212	r48sd-212	120, 277, 347V	Blue
48-Relay Cabinet with 24 2-pole relays	r48md-224	r48sd-224	120, 277, 347V	Blue
48-Relay Cabinet with 36 2-pole relays	r48md-236	r48sd-236	120, 277, 347V	Blue
48-Relay Cabinet with 48 2-pole relays	r48md-248	r48sd-248	120, 277, 347V	Blue
48-Relay Cabinet with 12 347V relays	r48md-c12	r48sd-c12	120, 277, 347V	Blue
48-Relay Cabinet with 24 347V relays	r48md-c24	r48sd-c24	120, 277, 347V	Blue
48-Relay Cabinet with 36 347V relays	r48md-c36	r48sd-c36	120, 277, 347V	Blue
48-Relay Cabinet with 48 347V relays	r48md-c48	r48sd-c48	120, 277, 347V	Blue

PHYSICAL DIMENSIONS

8-Relay (Standalone and Networkable): 13.00 (330.2) x 13.00 (330.2) x 4.34 (110.6)

24-Relay Cabinet: 20.00 (514.4) x 34.00 (863.6) x 4.34 (110.6)

48-Relay Cabinet: 20.00 (514.4) x 54.00 (1371.6) x 4.34 (110.6)

NOTE: See Page C41 for wiring and mounting diagrams.



Energy Management & Dimming Products

Z-MAX Relay Product Listing



ZMDSW-03W



LVS-08W

Z-MAX DIGITAL & LOW VOLTAGE SWITCH STATIONS

The Z-MAX system can incorporate either digital or low-voltage stations. Although they look identical, there are a few differences in how they operate. Both contain buttons that are programmable to a variety of functions and custom labels are available.

SPECIFICATIONS & FEATURES

Common Features

- Available in 8 configurations
- Programmable functions include: on, off, and group and scene select
- Compatible with standard and midway size Decora® wallplates
- Custom labeling available; contact a factory representative

Digital Station

- Wired via Luma-Net® to compatible products including D4200, D8000, a-2000, i Series e, i Series Quad, and Z-MAX Relay Cabinets
- Networks with up to 127 devices
- Compatible with handheld IR remote control

Low-Voltage Station

- Compatible with Z-MAX Relay Cabinets, MDS cabinets, a-2000 cabinets (with analog card), network protocol converter, and other low-voltage devices

WARRANTY

- Limited Two-Year Warranty

Z-MAX Switch Stations

DESCRIPTION	DIGITAL SWITCH CAT. NO.	LOW-VOLTAGE SWITCH CAT. NO.	COLOR
On/Off switch	zmdsw-01w	lvs-01w	White
Zones 1 and 2	zmdsw-02w	lvs-02w	White
Zones 1 to 3	zmdsw-03w	lvs-03w	White
Zones 1 to 4	zmdsw-04w	lvs-04w	White
Zones 1 to 5	zmdsw-05w	lvs-05w	White
Zones 1 to 6	zmdsw-06w	lvs-06w	White
Zones 1 to 8	zmdsw-08w	lvs-08w	White
Zones 1 to 10	zmdsw-10w	lvs-10w	White

Note: Wallplate sold separately.

Dimensions: 4.31 (109.5) H x 1.13 (28.7) W x 1.75 (44.5) D

Z-MAX RELAY CARDS & ACCESSORIES

The Z-MAX system offers several relay cards in addition to a number of accessories, including a modem that enables the system to be operated remotely. The standard, single-pole 20-amp relay card features proprietary circuitry that completely eliminates arc shower pitting at the contacts and thus provides an extended life over traditional relay circuits. This unique feature is the source of the Z-MAX name: Z-MAX stands for zero current maximum life.

SPECIFICATIONS & FEATURES

Relay Cards

- Rated at 20A for lighting loads
- Specifically designed to control electronic ballasts
- Rated for resistive, inductive, and capacitive sources
- Zero cross circuitry eliminates arcing at mechanical contacts when loads are switched—prolonging relay life to an average of 10,000,000 on/off cycles
- Handles inrush currents up to 50X greater than connected load

Handheld Remote Control

- Features 4, 8 or 16 selection buttons plus off
- Use with any Z-MAX Digital Station
- Operates at 56kHz frequency; 30- to 50-foot range

TESTING & CODE COMPLIANCE

- UL Listed (for individual load types) and CUL Listed under both Industrial Control Equipment and Energy Management Equipment
- NOM certified
- Limited Ten-Year Warranty

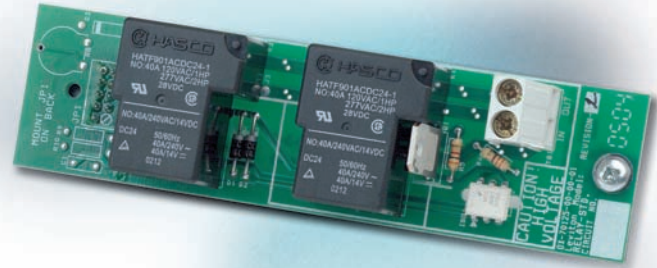
Z-MAX Relay Cards

DESCRIPTION	CAT. NO.	INPUT POWER	RATING
Standard 20A Single-Pole Relay Card*	relay-std	120-277V	For incandescent, electronic fluorescent, magnetic fluorescent, electronic low voltage, neon cold cathode, high intensity discharge and motor loads
2-Pole 20A Relay Card	relay-2pl	240/480V	Same as Above
347V Single-Pole 20A Relay Card	relay-347	120-347V	Same as Above
Normally Closed Relay Card	relay-ncl	120-347V	Same as Above

*NOTE: Relay cabinets ship with RELAY-STD modules unless otherwise specified.

Accessories

DESCRIPTION	CAT. NO.	COLOR
Remote Control with 4 selections	d42ir-04l	Black
Remote Control with 8 selections	d42ir-08l	Black
Remote Control with 16 selections	d42ir-16l	Black
Flush Trim Kit for 8-Relay Cabinet	rac00-08f	—
Flush Trim Kit for 24-Relay Cabinet	rac00-24f	—
Flush Trim Kit for 48-Relay Cabinet	rac00-48f	—
Switch Input Board with 32 discrete inputs	rac00-sib	—
Modem with Touch Tone input capability (consult factory)	rac00-mod	—
Ethernet Module (consult factory)	rac00-eth	—
Voltage Barrier between relay cards	rac00-vbr	—



Z-MAX Relay Card (RELAY-STD)



D42IR-16L



CATALOG NUMBERING SYSTEM, RELAY CABINETS

R 24MD-224

No. of relays

Relay type

- 0 = No relays in cabinet
- 1 = Standard (single-pole 120V, 277V)
- 2 = 2-pole relay (240/480V)
- C = International (single-pole, 347V)

Input Voltage for Control Module

- D = Multi-volt 120V, 277V, 347V
- F = International 100V, 220V, 230V, 240V

Control Module Type

- B = Basic, for 8-relay cabinet only
- N = Networkable, for 8-relay cabinet only
- M = Master, for 24- and 48-relay cabinets only
- S = Slave, for 24- and 48-relay cabinets only

Cabinet Size

- (Maximum number of relays: 8, 24 or 48)

BASIC APPLICATION

Relay systems are an excellent choice for providing time- and event-based switching on a customized schedule for everything from basic stand-alone applications to building and campus-wide energy management systems. Z-MAX™ Lighting Control Relay Systems are ideally suited to all sizes of applications where you need a system that switches lights on and off based on a customized schedule but do not require other functionality such as dimming or scene control. Z-MAX cabinets offer a single, integrated solution that takes the place of a several individual components: including time clock, cabinet, terminal blocks and contactors.

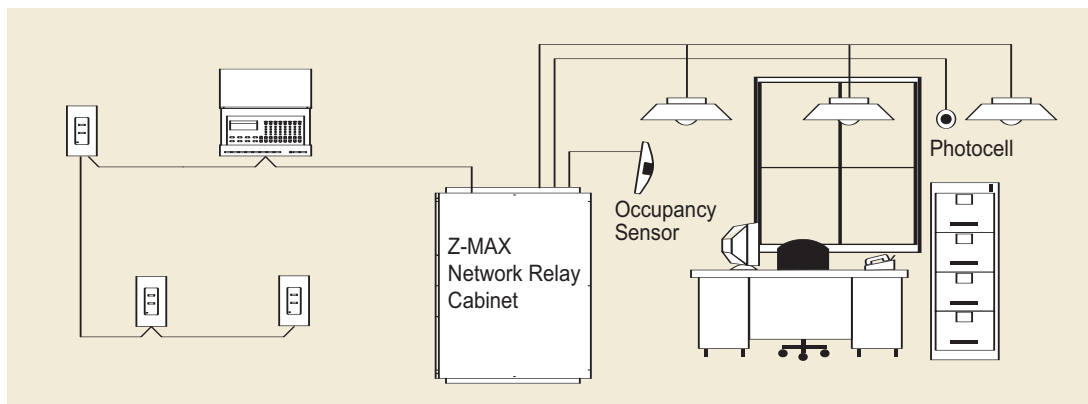
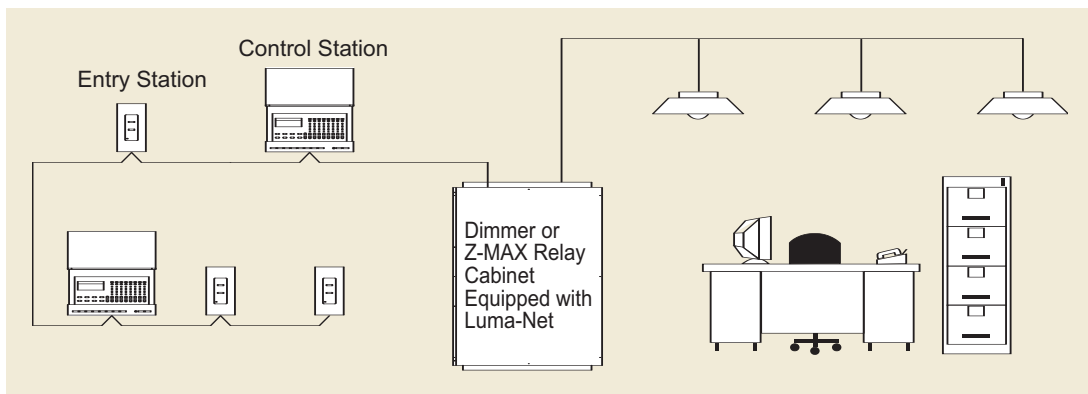
Z-MAX SYSTEMS BENEFIT APPLICATIONS REQUIRING:

- Control of various loads from one or more locations
- Time based lighting control ordinarily provided by separate time clock and lighting controllers
- Compliance with energy codes requiring automatic lighting control
- Integration of photocells and occupancy sensors into a centrally controlled switching system

TYPICAL Z-MAX RELAY APPLICATIONS

- Auditoriums
- Parking facilities
- Gymnasiums and pools
- Educational facilities
- Warehouses
- Office buildings
- Arenas
- Landscape and security lighting

Z-MAX Applications

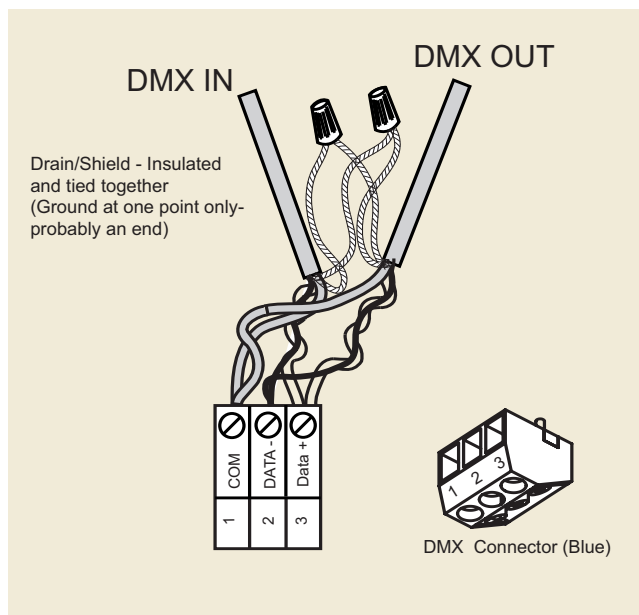


NOTE: Dimensions™ D4200 and D8000 controls are readily incorporated into a Z-MAX network cabinet system. Z-MAX 8-channel stand-alone cabinets use the 000-LVS series of low voltage entry stations.

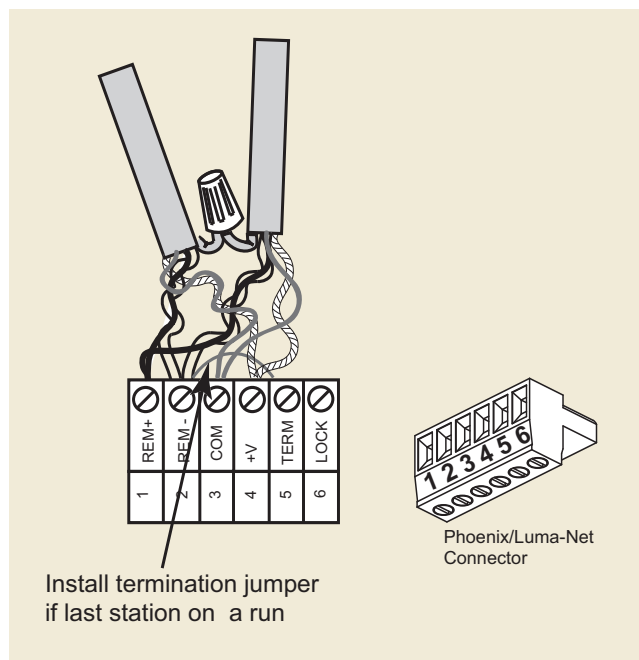
CONTROL WIRING

Every Z-MAX relay cabinet is wired in exactly the same way and communicates via Luma-Net® III or DMX512. Through the use of the Network Protocol Converter, Z-MAX cabinets can be integrated with RS232 and standard 10/100 TCP/IP routers and networks. We strongly recommend the use of either Belden 9829 or Belden 9729 for the Luma-Net wire runs. A second pair of stranded wire is required for power. At the last control station or dimmer cabinet on both ends of the run, a small jumper wire must be run from the terminal labeled "Rem-" to the terminal marked "Term" on that last station. This jumper wire properly terminates the digital communications lines at the end of the line.

DMX Wiring to Connector

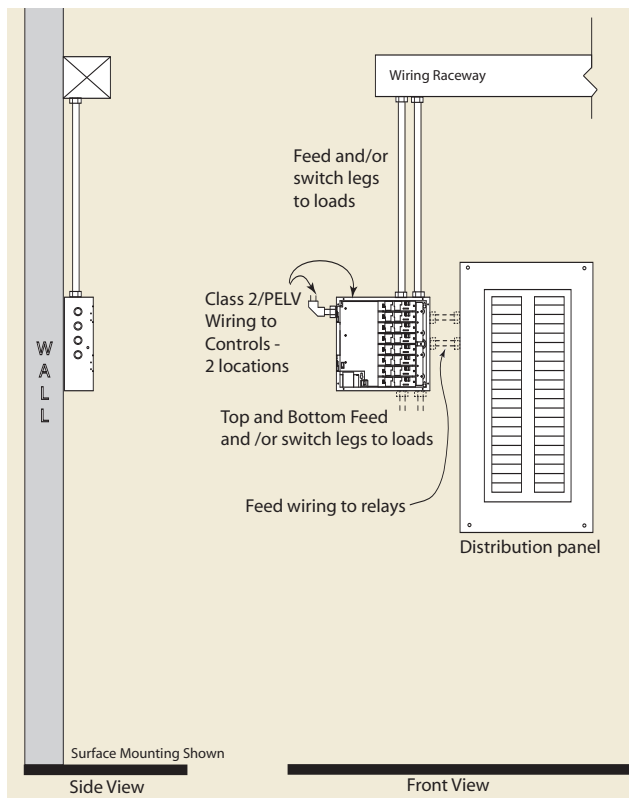


Luma-Net Wiring to Connector

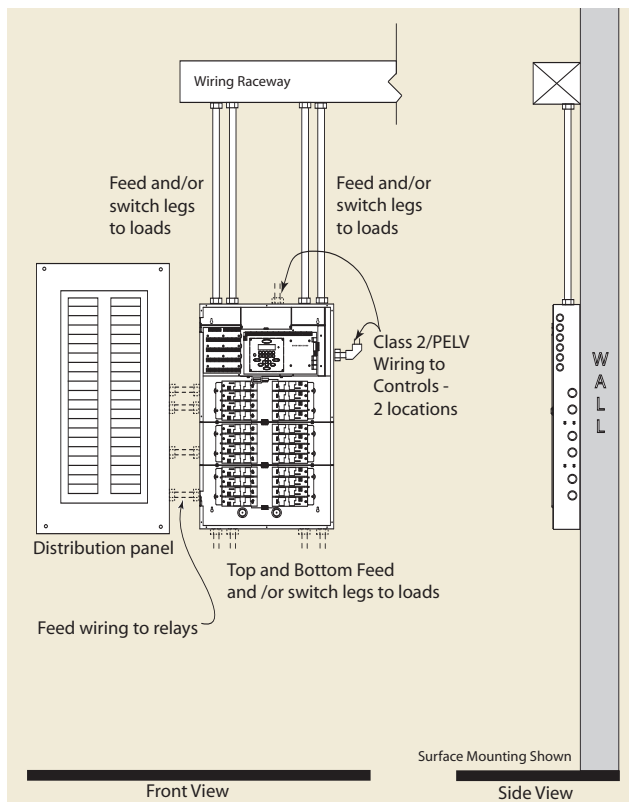


BASIC MOUNTING DIAGRAMS

8-Relay Z-MAX



24-Relay (& 48-Relay) Z-MAX









































Dimensions® Architectural Lighting Control Systems



SECTION




Dimensions® D3200 takes self-contained preset systems to the next level with features and power never before available in a stand-alone controller. On-screen Wizards guide you through programming and setup every step of the way. Built-in features include an astronomical clock for time-driven event control, room combination functions, and much more. The D4200 is sophisticated control made simple. The system combines easy operation with a wide range of entry station and dimming options (including partitioning) for a powerful and flexible control solution. The bright LCD readout displays functions and scene information in plain English. Eight one-touch scene recall buttons let you select the perfect lighting every time, without all the guesswork. Dimensions D8000 represents the ultimate in control and capability for architectural, theatrical and energy conservation lighting requirements—all in one system. Because of its distributed processing, the D8000 is appropriate for projects of virtually any size. Whether you require a few control stations or a few hundred, the D8000 delivers the pinnacle of functionality, flexibility, and intuitive operation.

DIMENSIONS® D3200 SYSTEM	DIMENSIONS D4200 SYSTEM	DIMENSIONS D8000 SYSTEM									
<p>D320X Multizone Controller/ Dimmer</p>  <p>Advanced, multipoint scene control and dimming with 4 to 6 dimming loads and 8 scene buttons. 120VAC and 230VAC versions available. D3208 features join/separate for partitioning and the addition of two auxiliary zones via network power extenders.</p> <p>PAGE D4</p>	<p>D4200 Multizone Controller</p>  <p>32-zone digital lighting controller and entry station used with dimming cabinets, relay cabinets remote receivers, and accessory stations.</p> <p>PAGE D16</p>	<p>D8000 LCD Station</p>  <p>Advanced and highly versatile lighting control station. May be used with other D8000 stations, theatrical and architectural lighting, and energy management systems. In wall-mount and portable console versions.</p> <p>PAGE D25</p>									
 <p>D3200 Scene Controller</p> <p>Four-scene Decora® wall controller with Off switch. Ideal for secondary entranceways and residential applications. (Other wall controllers available.)</p> <p>PAGE D6</p>	 <p>D4200 Remote Station</p> <p>Decora-style wall controllers in 15 versions, each with unique range of D4200 functionality.</p> <p>PAGE D17</p>	 <p>D8000 Slider Station</p> <p>For individual and group control, including 3- or 5-scene recall. Custom legend available.</p> <p>PAGE D26</p>									
 <p>D3200 Infrared Remote Control</p> <p>Handheld remote control for use with any IR-receiving D3200 controller.</p> <p>PAGE D6</p>	 <p>D4200 Room-Combine Station</p> <p>For selecting desired partition configuration. In 5 versions (2 to 4 rooms with up to 3 partitions).</p> <p>PAGE D19</p>	 <p>D8000 Pushbutton Station</p> <p>Each with 1 to 15 buttons that may be programmed to any function. Numerous label options.</p> <p>PAGE D28</p>									
 <p>LCnet SmartJack (with Software)</p> <p>PC/laptop-to-network jack that enables D3200 Data Manager software.</p> <p>PAGE D8</p>	 <p>Infrared Remote Control</p> <p>Handheld remote control for use with any IR-receiving D4200 or D8000 controller.</p> <p>PAGE D20</p>	 <p>D8000 Connector Station</p> <p>To connect system to PC, A/V equipment, key switch, or to enable use of a handheld remote.</p> <p>PAGE D30</p>									
<p>Load Icon Legend</p> <table> <tr> <td> Incandescent</td> <td> Electronic Low Voltage</td> <td> Fan Speed Control</td> </tr> <tr> <td> Fluorescent</td> <td> High Intensity Discharge</td> <td> Motor Load</td> </tr> <tr> <td> Magnetic Low Voltage</td> <td> Neon Cold Cathode</td> <td></td> </tr> </table>		 Incandescent	 Electronic Low Voltage	 Fan Speed Control	 Fluorescent	 High Intensity Discharge	 Motor Load	 Magnetic Low Voltage	 Neon Cold Cathode		<p>Infrared Remote Control</p> <p>Handheld remote control for use with any IR-receiving D4200 or D8000 controller.</p> <p>PAGE D30</p>
 Incandescent	 Electronic Low Voltage	 Fan Speed Control									
 Fluorescent	 High Intensity Discharge	 Motor Load									
 Magnetic Low Voltage	 Neon Cold Cathode										

Dimensions Architectural Lighting Control Systems

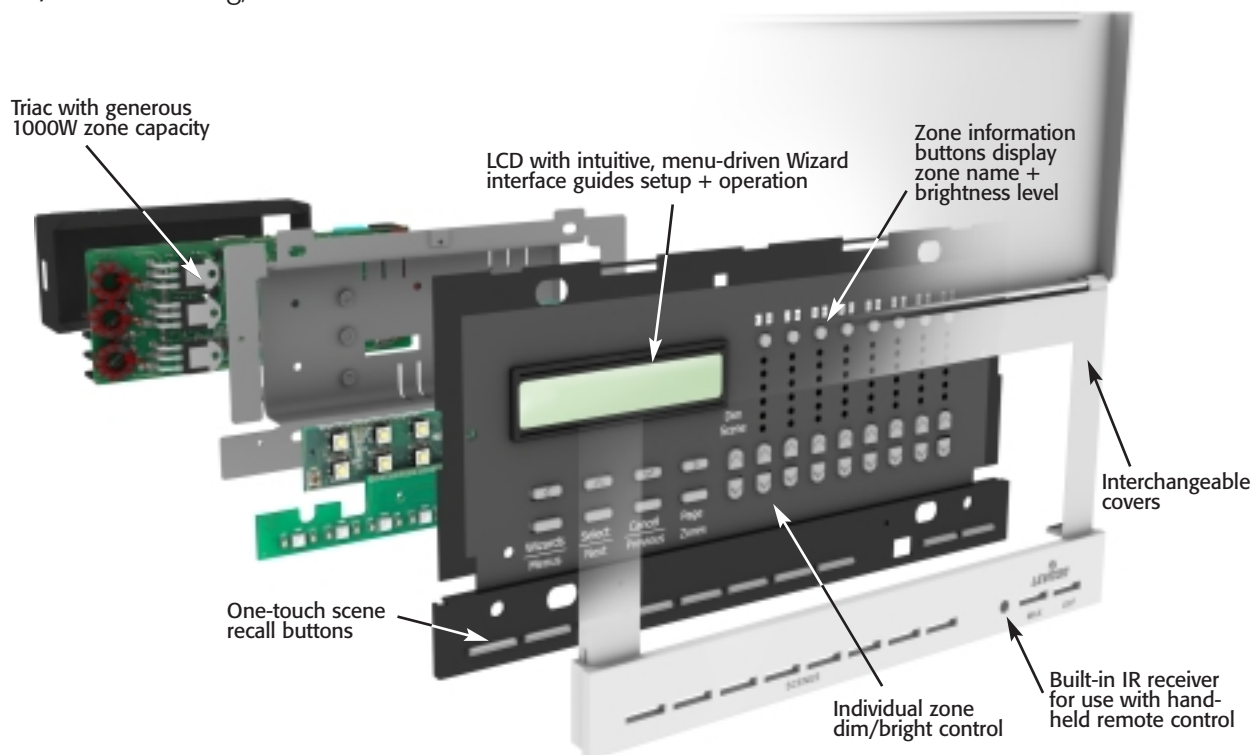
Dimensions Family Overview



Dimensions Line Comparison Chart			
	D3200	D4200	D8000
Function	For dimming, scene control and partitioning in residential and smaller scale commercial spaces	For dimming, scene control and partitioning in larger scale commercial spaces	For highly-scalable and advanced dimming and scene control in commercial spaces of all sizes
Applications	<ul style="list-style-type: none"> Residential Lighting Control Home Theaters Restaurants Banquet Rooms Boardrooms Healthcare Facilities 	<ul style="list-style-type: none"> Conference Rooms Executive Offices Multimedia Areas Hotel Suites Restaurants Banquet Facilities Houses of Worship Museums 	<ul style="list-style-type: none"> Convention Centers Hotels Houses of Worship Schools Theaters
Main Controller	Self-contained controller/dimmer with one-touch scene control and menu-driven Wizards. D3204 (4 zones), D3206 (6 zones), D3208 (6 zones + 2 auxiliary zones + partitioning)	LCD control station with one-touch scene recall and on-screen menus with scene and zone info	NO SINGLE, MAIN CONTROLLER REQUIRED. Distributed processing enables any D8000 station to control system
System Components	<ul style="list-style-type: none"> Decora scene controller Handheld remote controller Jack and RS232 PC interface Power extenders Partition Controller 	<ul style="list-style-type: none"> Dimming/scene controllers Room-combine stations Handheld remote controller 	<ul style="list-style-type: none"> LCD stations (wall-mount and portable console) Slider stations (3-15 slides) Pushbutton stations Accessory stations Handheld remote controller Setup/design software
Design	Main D320X controller offered with 6 color options. Other D3200 components feature Decora designer styling	Main controller in white or with optional smoke cover. Other D4200 components feature Decora designer styling	All stations fabricated from Corian. Standard in black and white, all other Corian colors available as special order
Software	D3200 Setup Software (optional or setup, partitioning, etc.)	LumaEdit™ & LumaGraphic GUI	LumaEdit & LumaGraphic GUI
Zone Maximum	248 (D3204/8), 186 (D3206)	32	2048 per subnetwork
Scene Maximum	32	16	3825
Maximum # Networkable Devices	100 peripheral (max. 31 D320Xs)	127	36240 (127 per sub-network)
Interface Options	<ul style="list-style-type: none"> Crestron touch screen systems (Leviton is an i2p partner. For more information on interfacing Crestron products visit www.crestron.com) 	<ul style="list-style-type: none"> Dimming racks and cabinets Luma-Net® hub Luma-Net Combine/Closure Interface A/V interface Network protocol converters 	<ul style="list-style-type: none"> Dimming racks and cabinets Theatrical lighting consoles Photocells Occupancy sensors HVAC equipment Luma-Net hub Luma-Net Combine/Closure Interface And more...

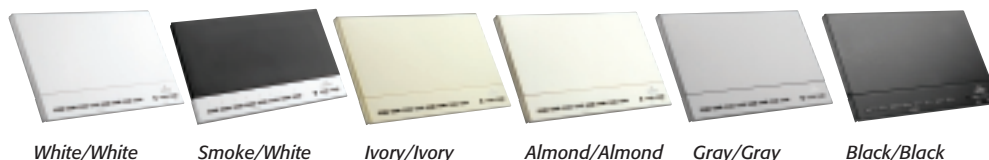
D3200 ARCHITECTURAL LIGHTING CONTROL SYSTEM

Dimensions D3200 takes self-contained preset systems to the next level with features and power never before available in a standalone controller. Programming and setup functions are accessed through easy-to-use Wizards with on-screen information to guide you every step of the way. A built-in astronomical clock enables time-driven event control and room-combine functionality enables partitioning—all with no external hardware. The D3200 system offers a number of multizone controllers, wall-mounted scene and partition controllers, a PC interface, on/off scheduling, and much more.



- Available in several versions: 4-zone, 6-zone, 8-zone (including 2 auxiliary)
- Astronomical clock for event scheduling
- Programmable scene and zone names, fade rates and much more
- Join/separate functionality (D3208)
- Optional setup software and handheld remote control
- Ability to network up to 31 units and link up to 248 zones
- California Title 24 compliant and meets ASHRAE Standard 90.1 requirements

Available Colors



Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.



D3206

D3200 MULTIZONE CONTROLLER/DIMMERS

Leviton's D3204, D3206 and D3208 provide advanced, multipoint dimming and scene control for commercial and high-end residential lighting applications within a comprehensive D3200 system or as a standalone dimmer. The units feature menu Wizards for easy programming and lighting control, an IR receiver for use with a handheld remote control, and a comprehensive suite of functionality including event scheduling, partitioning, and networking. Leviton offers several versions of the D320X. They vary in the number of zones, availability of certain features, and voltage capacities.

SPECIFICATIONS & FEATURES

	D3204	D3206	D3208
• LCD with Wizards for easy setup	X	X	X
• Easy front-panel access to 2 auxiliary LCnet dimming or switching loads			X
• Astronomical Clock	X	X	X
• Auto-Off feature allows delayed off at scheduled time after "warning blink"	X	X	X
• Scheduled scene changes (without extra device)	X	X	X
• Combine/separate 8 partitions / 256 configurations (without extra device)			X
• Optional PC Interface	X	X	X
• Number of internally-driven dimming loads	4	6	6*
• Maximum number of zones controlled	248	186	248
• 32 scenes per group (per single configuration)	X	X	X
• 100 devices including accessories on LCnet	X	X	X

* Plus two auxiliary dimming or motor loads

TESTING & CODE COMPLIANCE

- UL Listed, CSA Certified, FCC Part 15
 - California Title 24 compliant and meets ASHRAE Standard 90.1 requirements
 - Backed by a Limited Two-Year Warranty



D3200 MULTIZONE CONTROLLER/DIMMERS WITH SCENE CONTROL

Multizone Controllers

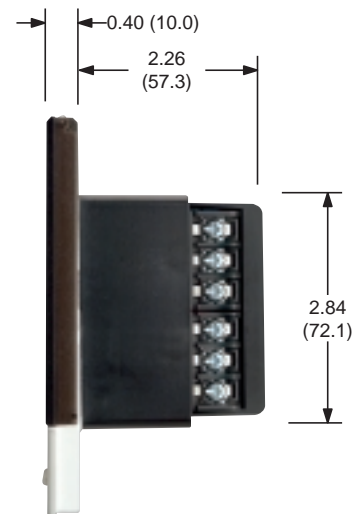
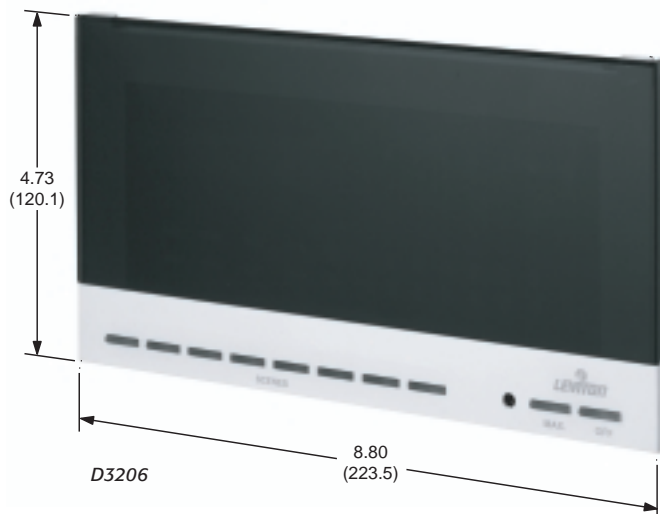
DESCRIPTION	CAT. NO.	RATING**	LOAD TYPE	COLOR
D3204 Multizone Controller/Dimmer—Self-contained dimmer with 4 local zones and learning IR receiver. Supplies 24VDC @ 150mA to hardwired devices	d3204-1lw	1920W/VA @ 120VAC ± 10%, 60Hz (1000W/VA max. per zone, 1200W/VA max. per side)	For use with incandescent, tungsten, magnetic low voltage transformer, Advance Mark 10™ Powerline electronic fluorescent dimming ballast, neon, cold cathode and non-dimming loads. Electronic low voltage and 0-10VDC fluorescent Hi-Lume and Eco-10 controlled with optional power extenders	White frame and cover*
D3206 Multizone Controller/Dimmer—Self-contained dimmer with 6 local zones and learning IR receiver. Supplies 24VDC @ 150mA to hardwired devices	d3206-1lw	1920W/VA @ 120VAC ± 10%, 60Hz (1000W/VA max. per zone, 1200W/VA max. per side)	Same as Above	White frame and cover*
D3208 Multizone Controller/Dimmer—D3206 with combine/separate for partitioning, 2 auxiliary dimming/switching zones	d3208-1lw	1920W/VA @ 120VAC ± 10%, 60Hz (1000W/VA max. per zone, 1200W/VA max. per side)	Same as Above	White frame and cover*
D3204 Multizone Controller/Dimmer—same as D3204-1L except rated for 230V loads	d3204-2lw	2400W/VA @ 230VAC ± 10%, 50-60Hz (800W/VA max. per zone)	For use with incandescent, tungsten, magnetic low voltage transformer, Advance Mark 10™ Powerline electronic fluorescent dimming ballast, neon, cold cathode and non-dimming loads	White frame and cover*
D3206 Multizone Controller/Dimmer—same as D3206-1L except rated for 230V loads	d3206-2lw	2400W/VA @ 230VAC ± 10%, 50-60Hz (800W/VA max. per zone)	Same as Above	White frame and cover*

* Additional cover/frame combinations are available via Leviton Color Change Kits. ** Power extenders can increase load capacity. See Section H for basic information on power extenders.

NOTE: For additional application and technical information, see Pages D10 through D14.

Color Change Kits

DESCRIPTION	CAT. NO.	COLOR
White Color Change Kit	d32ck-0ww	White cover/frame
Smoke Color Change Kit	d32ck-0sw	Smoke cover/White frame
Ivory Color Change Kit	d32ck-0ii	Ivory cover/frame
Almond Color Change Kit	d32ck-0aa	Almond cover/frame
Gray Color Change Kit	d32ck-0gg	Gray cover/frame
Black Color Change Kit	d32ck-0ee	Black cover/frame



Dimensions Architectural Lighting Control Systems

D3200 Product Listing



NE505 Scene Controller
with custom labels



NE515 Partition Controller

ADDITIONAL D3200 CONTROLLERS

The Dimensions line features two, single-gang Decora controllers for remote selection of a particular scene or configuration. As part of a D3200 lighting control system, the scene controller provides a sleek entry pad for one-touch scene selection. Equipped with an IR receiver, the scene controller can be used with a handheld remote control. For added convenience in partitioning applications, the partition controller provides remote access to combine/separate functionality by allowing you to manipulate lighting in a space with up to four, removable walls.

SPECIFICATIONS & FEATURES

NE505 Scene Controller

- Selects up to four scenes for a particular configuration
- Compatible with any D320X Controller/Dimmer
- Gangable with seven additional NE505s
- Learning infrared receiver compatible with handheld remote control
- Handheld Remote Control features 8-scene selection, group dim/bright, maximum brightness, and off—for the active configuration
- Do-it-yourself custom labels available through a special Color Change Kit: design labels in choice of color, font size and type style using Leviton's intuitive software. (See Page D12 for more information on this kit.)

NE515 Partition Controller

- With Locator LED (active button illuminates)
- Compatible with D3208 Controller/Dimmer
- Up to 256 configurations, when ganged

Common Features

- Entry-pad design for high-tech look and feel
- Designer Decora styling enhances any décor

TESTING & CODE COMPLIANCE

- UL Listed, CSA Certified, FCC Part 15
- Backed by a Limited Two-Year Warranty

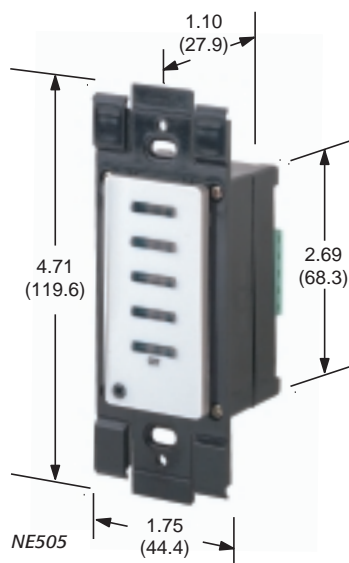


D3200 SCENE & PARTITION CONTROLLERS PLUS HANDHELD REMOTE CONTROL

DESCRIPTION	CAT. NO.	RATING	COLOR
Decora Scene Controller—with 5 buttons (4 scenes and Off) and infrared capability. For use in D3200 system	ne505	Input Voltage: 24VDC, Input Current: 24mA	White, with Ivory switch option*
Decora Partition Controller—with 5 buttons (4 walls and Reset). For use in D3208 system	ne515	Same as above	White, with Ivory switch option*
NE505 Color Change Kit with Customizable Labels (wallplates sold separately)	dck05-0c	_____	W, I, A, G, E**
Infrared Remote Control—works with any IR-receiving D3200 Controller (including NE505) from within 40 ft.	ne210	_____	Black

*White controller ships with matching wallplate and with an Ivory color change kit (matching Ivory wallplate sold separately).
** Add suffix to catalog number as follows: White (-W), Ivory (-I), Almond (-A), Gray (-G), Black (-E).

NOTE: For additional application and technical information, see Pages D10 through D14.



Dimensions Architectural Lighting Control Systems

D3200 Product Listing



D3200 • PRODUCT LISTING



NE100 SmartJack

OPTIONAL D3200 SYSTEM COMPONENTS

Leviton offers a complete package—with jack, cables and software—for advanced lighting applications. (For example, scheduling multiple scene changes and configuring partitioning schemes.) An assortment of optional components may be used to accommodate extended networks (terminator block) and high amperage ballasts (power extenders). In addition, Leviton PEAX power extenders may be used to activate auxiliary zones.

SPECIFICATIONS & FEATURES

LCnet SmartJack Package with Software

- PC Interface can be installed to ease setup (scene names, scheduling scene changes, and partitioning applications)
- LEDs blink red or green to confirm message status
- CD includes D3200 Data Manager and HTTP Server software
- Comes with RJ11-to-DB9 cable
- Jack fits standard NEMA wallboxes

Terminator Block

- Ensures proper communication throughout extended Leviton control networks where D3200s are NOT installed at both ends of the run if the length of the LCnet run is greater than 10 feet

NOTE: Leviton's complete line of power extenders is covered in more depth in Section H.

TESTING & CODE COMPLIANCE

- UL Listed, CSA Certified, FCC Part 15 (where applicable)
- Backed by a Limited Two-Year Warranty

D3200 Data Manager

The screenshot shows the 'Config' window of the D3200 Data Manager software. It has four tabs: 'Config Names', 'Setup', 'Time Events', and 'Scene Names'. The 'Time Events' tab is active, displaying a 'Time Events List' table and configuration fields.

Name	Type	Status	Action	Frequency	Date	Time Ba...	Time
Test3	Holiday	Disable	Scene 1	Weekends	01/01/...	Time of ...	10:05:30 AM
Test4	Holiday	Delete	All OFF	Weekly	Tuesday	Time of ...	10:05:30 AM
Test	Event	Enable	Scene 1	Daily	01/01/...	Time of ...	9:49:13 AM

Below the table, there are configuration fields:

- Name: [Name]
- Time Event Type: [Holiday]
- Status: [Enable]
- Action: [Scene 1]
- Timer Type: [One Time]
- Date: [2/21/02]
- Time Setup:
 - ☒ Time of Day
 - ☐ Dawn
 - ☐ Dusk
 - Time: [2:31:32 PM]

Buttons on the right include 'Add', 'Edit', 'Remove', and 'Save Data'.

OPTIONAL D3200 SYSTEM COMPONENTS

SmartJack/Software Package & Terminator

DESCRIPTION	CAT. NO.	RATING	COLOR
LCnet SmartJack Package—including jack with cable and CD with LPDS Leviton HTTP Server software and D3200 Data Manager software	ne100-00c	—	White*
Terminator Block—for use with LCnets not terminated with D320Xs and with total wire length over 10 feet	ne600	—	White

* With matching Decora wallplate and Ivory jack insert option. Ivory wallplate sold separately.

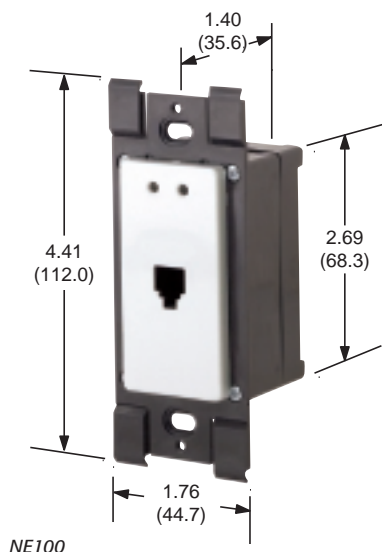
Note: See D11 and D14 for additional information on software.

Power Extenders

DESCRIPTION	CAT. NO.	RATING	COLOR
Traditional Power Extenders—extend dimming zone capacity and load types	pe100-10w pe200-10w pe200-70w pe300-d0w pe400-10w	See section H for detailed ratings	White except PE300 (silver)
Dual Auxiliary-Zone Network Power Extender—activates 2 auxiliary zones, Controlled via LCnet	peaux-12w	120V, 1920W/VA (total), 1000W/VA (per zone) for incandescent, magnetic low voltage, or neon/cold cathode ballasts	White
Single Auxiliary-Zone Network Power Extender—activates 1 auxiliary zone, Controlled via LCnet	peaux-auw	230V, 2400W/VA for incandescent, magnetic low voltage, or neon/cold cathode ballasts	White
Single Auxiliary-Zone Network Power Extender—activates 1 auxiliary zone, Controlled via LCnet	peau7-miw	120-230V, 20A-120V & 10A-230V for Mark 7™ 0-10V, OSRAM Sylvania Quicktronic Helios, or equivalent electronic fluorescent dimming ballast	White

NOTE: See D14 for wiring diagram.

NOTE: See Section H for more information on Leviton power extenders including the PE100 through 400 series, which extend load capacity.



Dimensions Architectural Lighting Control Systems

D3200 Applications



APPLICATION OVERVIEW

Leviton's Dimensions® D3200 Architectural Lighting Control System is a multizone dimming system that allows for the creation and selection of lighting scenes throughout a room or group of rooms. It operates on what we call the Leviton Control Network (LCnet), which enables controllers in one room to interact with networked dimmers, power extenders, and dimming loads in other rooms. The D3200 is designed for commercial and residential applications.

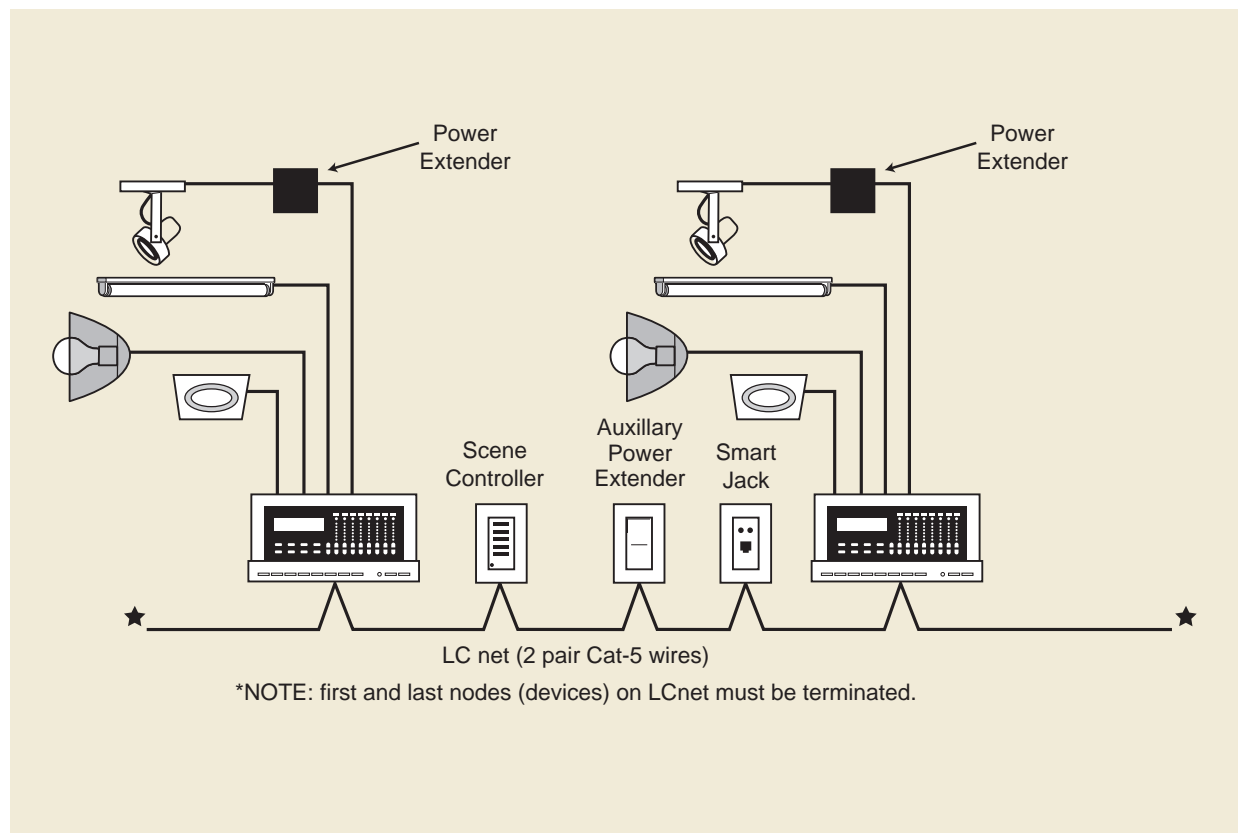
- Home Theaters
- Classrooms
- Restaurants
- Ballrooms
- Surgical Suites
- Conference Rooms
- Great Rooms
- Houses of Worship
- Executive Offices
- Light Commercial Applications

A series of intuitive Wizards (menus) on the D320X walk the installer through basic system setup and can also be used to customize settings. Customization includes scene and zone names;

fade rates; minimum light levels; and scheduled scene changes based on regular intervals, specific dates, and dawn/dusk triggers via built-in astronomical clock.

The D320X accepts 32 preset scenes for each group of zones, with the ability to page through them eight scenes at a time. In a system with multiple D320X Controllers, each unit may store and recall 32 unique scenes. The NE505 Scene Controller recalls four preset scenes, and multiple NE505s can be ganged together to control additional preset scenes; a handheld remote control can also be used to select scenes. The NE505 is especially useful where there is a second entranceway.

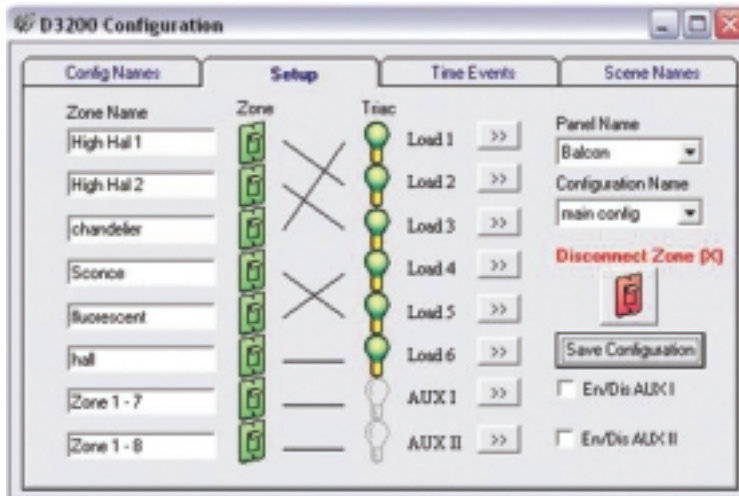
If a D3200 application has partitioned walls and you would like the lighting to combine and separate based on the status of those walls then you must incorporate one or more D3208 units into the system. In addition, you can control up to four walls with a single NE515 Partition Controller (which fits into a single-gang wallbox).



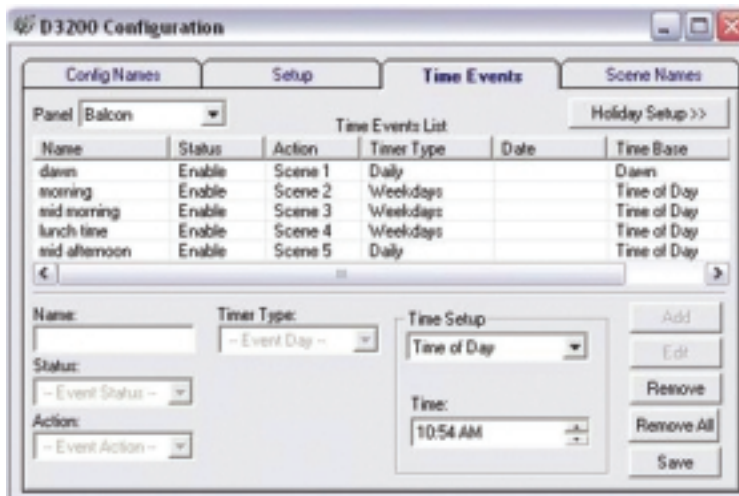
SOFTWARE

As an alternative to traditional programming via wall components, the LCnet SmartJack Package allows a PC to be used for system setup, partitioning and programming timed events—and it stores key settings. The PC must be loaded with the LPDS and HTTP Server modules and plugged into a Leviton SmartJack.

Panel Setup Tab, D3200 Setup Software



Timed Events Tab, D3200 Setup Software



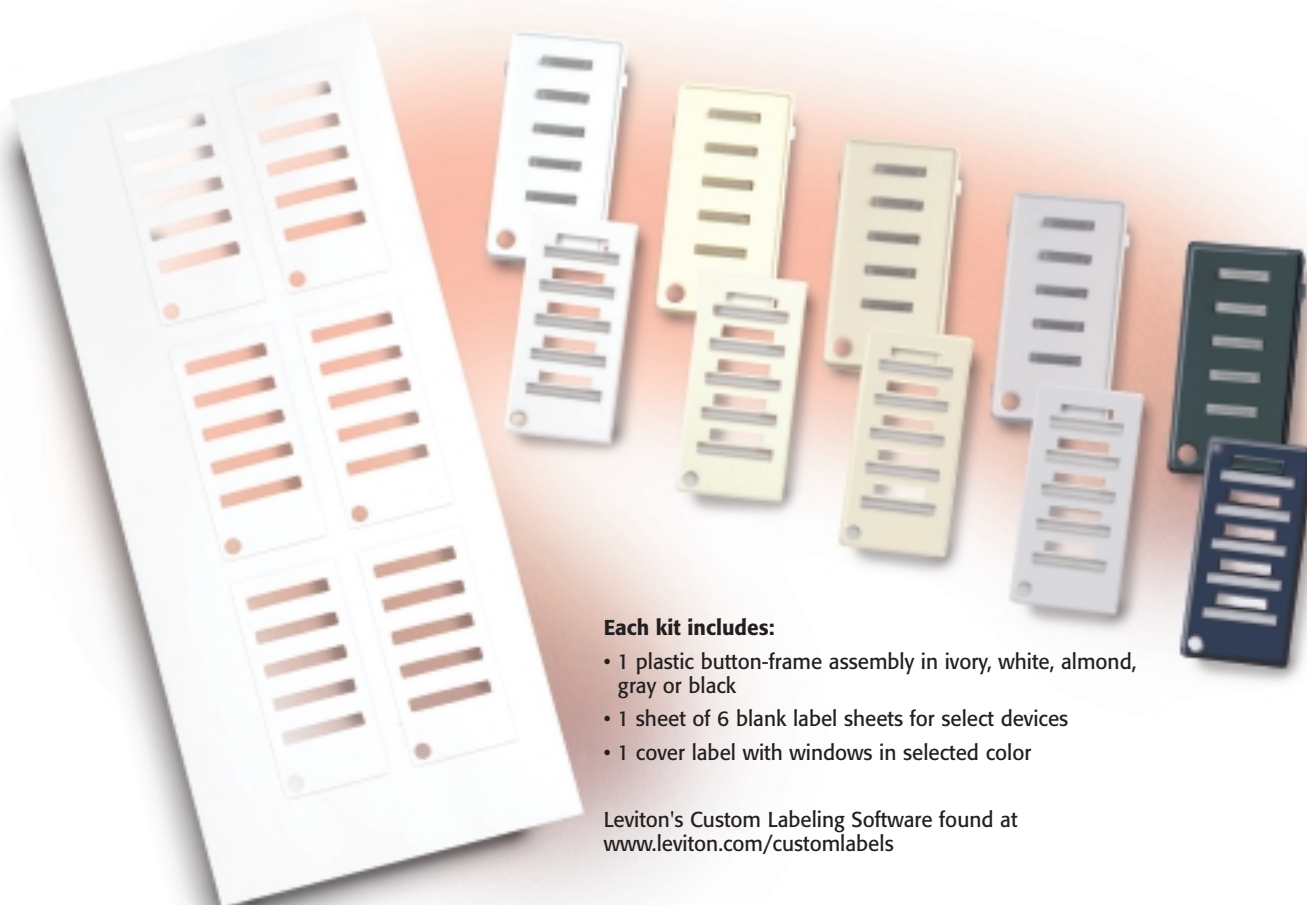
Dimensions Architectural Lighting Control Systems

D3200 Applications



CUSTOM LABELING/COLOR CHANGE KITS

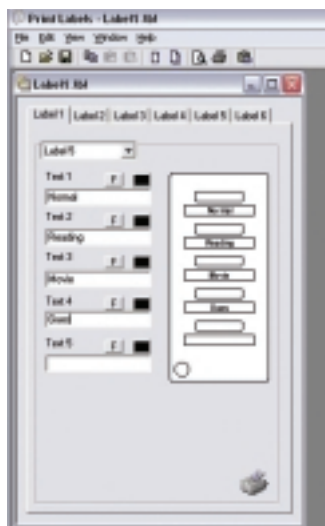
Leviton's Custom Labeling Color Kit creates custom identification labels for Leviton multi-button controllers, including the NE505 Scene Controller. Once the kit is ordered in the color of choice, the software on www.leviton.com/customlabels can be used to generate the labels. Kits can be ordered with white, ivory, almond, gray, or black entry pads. Matching Decora wallplates must be ordered separately.



Each kit includes:

- 1 plastic button-frame assembly in ivory, white, almond, gray or black
- 1 sheet of 6 blank label sheets for select devices
- 1 cover label with windows in selected color

Leviton's Custom Labeling Software found at www.leviton.com/customlabels

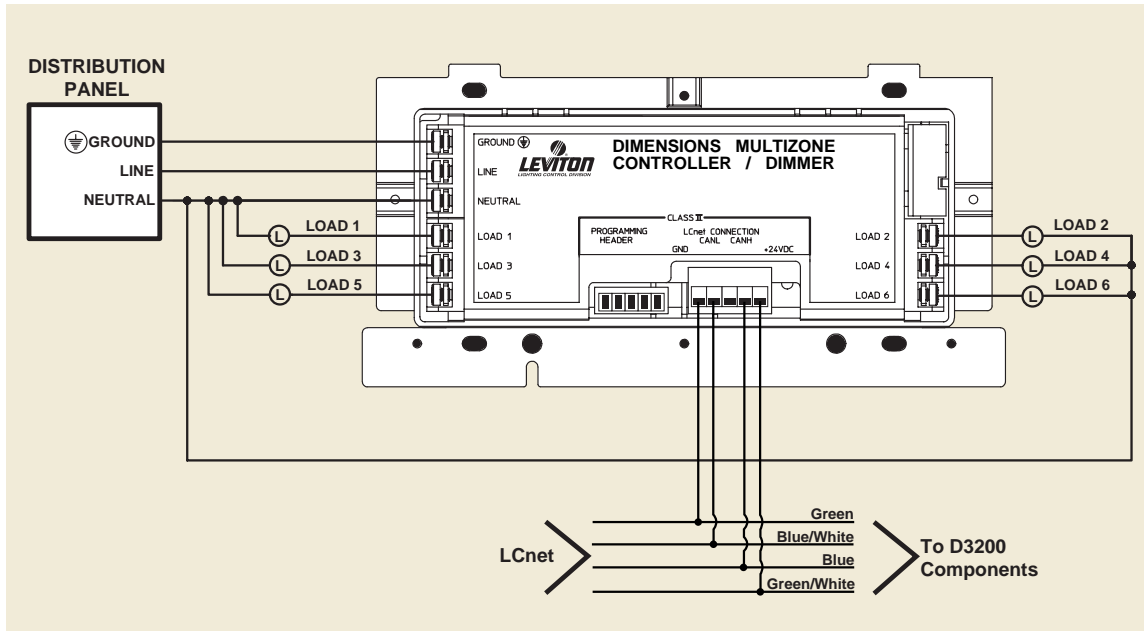


WIRING

D320X Multizone Controller/Dimmers can be hardwired to control four (D3204) or six (D3206/8) internally dimmed loads and both can be used to interface over the LCnet with auxiliary dimming and switching loads. (The D3204 is hardwired to a maximum of

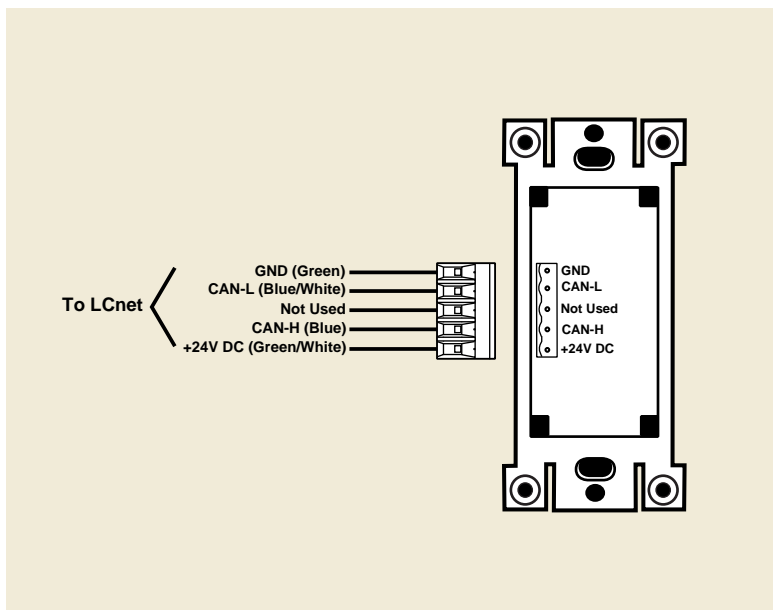
four loads.) D3204 and D3208 systems can accommodate up to 248 total zones including auxiliary zones (186 for the D3206). Each bus can accommodate up to 31 D320Xs. All controllers install in a standard four-gang wallbox.

D320X Multizone Controller/Dimmer Wiring Diagram



Note: D3204 Controller/Dimmer Loads DO NOT have Loads 5 and 6.

NE505/515 Controllers & NE100 SmartJack Wiring Diagram

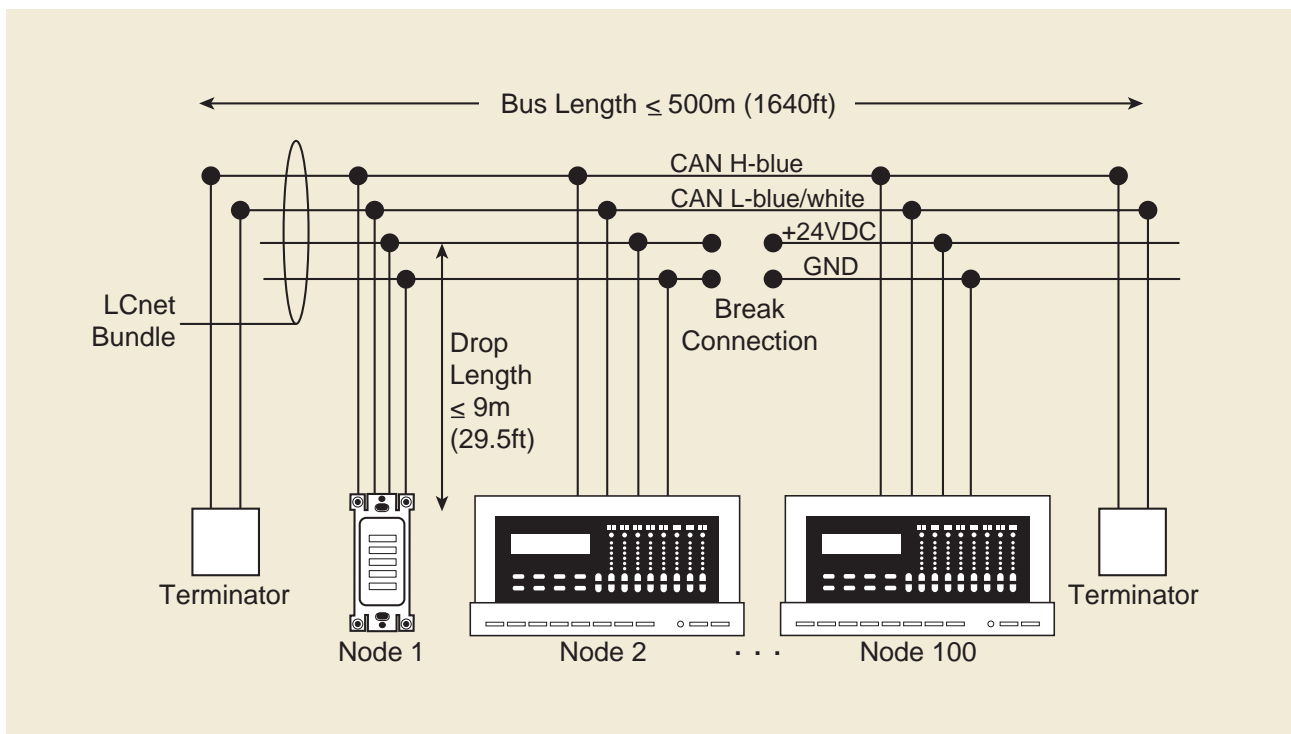


Dimensions Architectural Lighting Control Systems

D3200 Technical Information



LCnet Communication Bus



Control Wiring

TYPE: Cat-5 wiring is recommended for the Leviton Control Network (LCnet) bus.

WIRE LENGTHS: The total wire length from the beginning to the end of the LCnet wire should not exceed 500 meters (1640 feet). The tap measured from the splice into the LCnet to the wire's entry into the device should be no longer than 9 meters (29.5 feet).

NODE LIMIT: A single D3200 LCnet can have up to 100 devices attached to it. Additional LCnet bus(es) must be installed for installations of more than 100 devices (31 D320Xs per LCnet).

TERMINATION: D320Xs have built-in termination. If a D320X is installed at both ends of the system there is no need to install Leviton Terminator Blocks. If this is NOT the case AND the length of all the wires running off the splices is greater than 10 feet, Terminator Blocks must be used.

INPUT CURRENT RESTRICTIONS: Certain D3200 components must be wired into the LCnet bus as well as to a power source (most likely a nearby zone controller). All D320X models can safely accommodate up to a 150mA @ 24VDC draw.

Load Capacity

D320Xs can accommodate either 120VAC or 230VAC. Power extenders are available to increase capacity to meet specific application requirements. The number of ballasts/dimmers that can be attached to a single power extender may vary.

- 120VAC Versions: A single zone can accommodate up to 1000W/VA. A single D320X can handle up to 1920W/VA total (1200W/VA maximum per side).
- 230VAC Versions: A single zone can accommodate up to 800W/VA. A single D320X can handle up to 2400W/VA.

Please refer to in Section H, Power Extenders, for wiring diagrams and other technical information on Leviton power extenders.

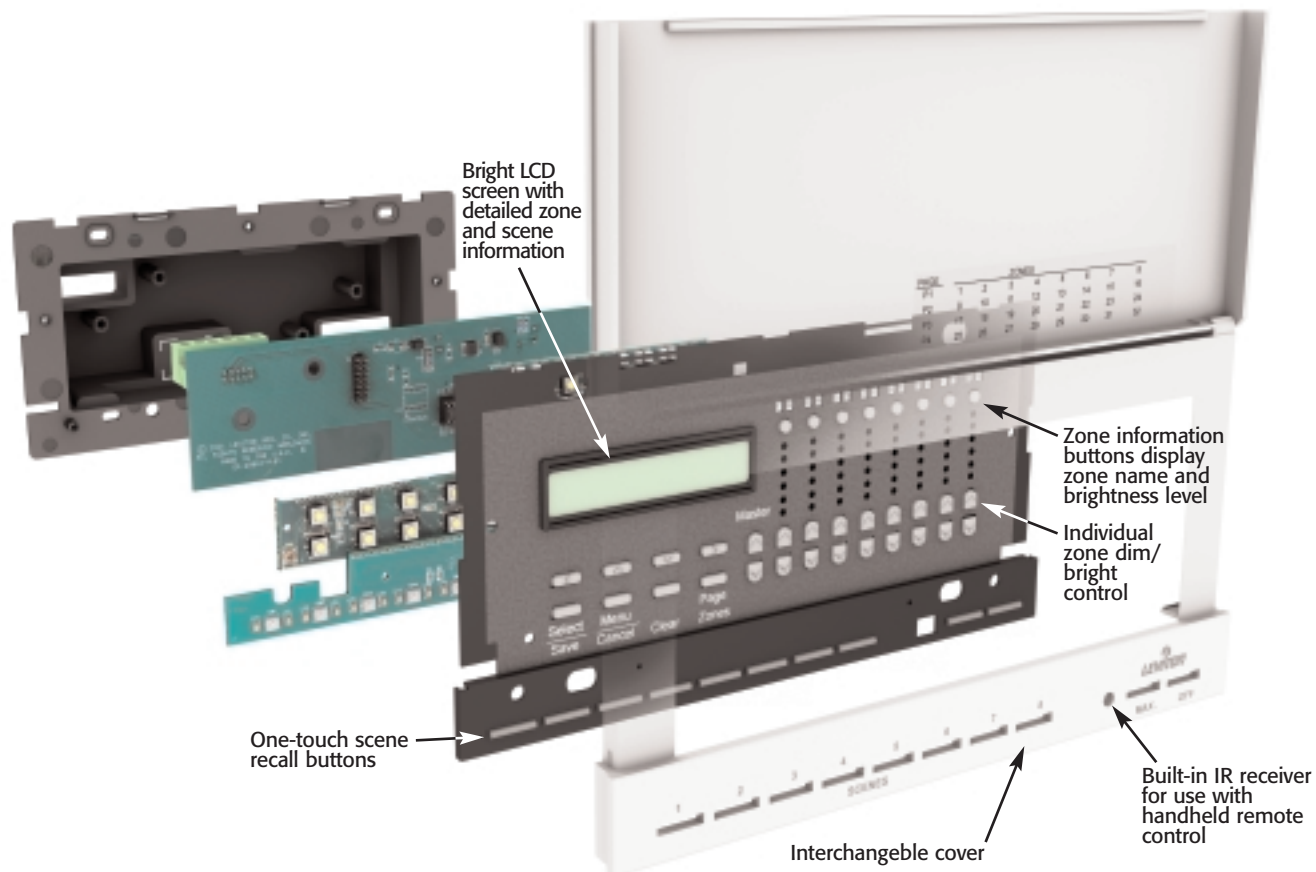
SOFTWARE

To use a PC to setup and store settings, the PC must be connected to a SmartJack wired to the LCnet and the following software modules must be installed: D3200 Data Manager and LPDS Leviton HTTP Server. (See www.leviton.com for software updates.)

OPERATING SYSTEM REQUIREMENTS: Windows 95/98/Me/2000*/NT 4.0 Service Pack 6*/XP* (*with administrative access); see www.leviton.com for latest OS compatibility.

D4200 Architectural Lighting Control System

The Dimensions® D4200 System combines ease of operation with a wide range of entry stations and accessories to provide a powerful and flexible control solution. The bright LCD readout displays functions and scene information in plain English, and guides you step-by-step through setup and operation. Eight one-touch scene recall buttons simplify lighting control. They enable the optimal mix of lighting to be selected—to evoke the right mood—without the guesswork. The D4200 is sophistication made simple.



- Pushbutton recall of 8 preset lighting scenes controlling virtually any light source
- Astronomical clock and event scheduling
- Join/separate functionality using room-combine stations
- Programmable scene fade rates
- Optional LumaGraphic™ GUI software enables control of lights from a PC
- Ability to network up to 127 control devices over a Luma-Net® network

Available Colors



White/White

Smoke/White

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

Dimensions Architectural Lighting Control Systems

D4200 Product Listing



D4200-00W

D4200 MULTIZONE CONTROLLER

The Leviton D4200 offers dimming and scene control for commercial applications. The unit can be used as an entry station for dimming cabinets and can be complemented with D4200 remote and room combine stations, and Luma-Net® hubs/interfaces. The D4200 features a menu-driven interface for easy programming and lighting control, an IR receiver for use with a handheld remote control, and a comprehensive suite of functionality including event scheduling, partitioning, and networkability.

SPECIFICATIONS & FEATURES

- Eight user-programmable scene preset buttons, up to 32 zones (channels)
- Eight additional scenes accessible from remote entry stations
- LumaGraphic software for easy setup and control
- Built in time clock with astronomical-clock and event-schedule features
- Built-in sequencing
- Adjustable scene fade rates
- IR Receiver compatible with handheld remote control
- Lockout options to prevent unwanted changes
- Can be networked with as many as 127 devices
- Works with D4200 Entry Stations, a-2000 Dimming Panels, MDS Dimming Cabinets, i Series e Dimming Racks, DMX512 Dimming Racks (with a NPC XP or DLR), Luma-Net Hubs, Luma-Net Combine/Closure Interface

TESTING & CODE COMPLIANCE

- Meets ASHRAE Standard 90.1 requirements
- Backed by a Limited Two-Year Warranty

Multizone Controllers and Color Change Kits

DESCRIPTION	CAT. NO.	RATING	COLOR
D4200 Multizone Controller—Controller and entry station with 8 scene buttons (16 total scenes), 32-zone max	d4200-00w	12VDC input ± 2VDC	White cover and frame
White Color Change Kit	d42ck-0ww		White cover and frame
Smoke Color Change Kit	d42ck-0sw		Smoke cover / White frame

NOTE: For additional application and technical information, see Pages D21 through D23.



D4200-00W

D4200 REMOTE STATIONS

Leviton offers a complete line of stations that provide remote access to many D4200 functions from multiple locations, when wired to a D4200 Controller. Rooms with several entrances may use different remote stations at each entry.

SPECIFICATIONS & FEATURES

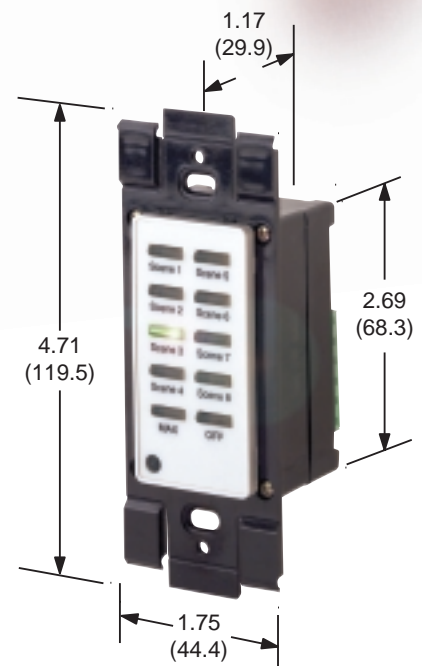
- Available in 15 different configurations
- Backlighting and tactile clicking sensation indicate scene selection
- Wired via Luma-Net® to D4200 Controller
- Networks with up to 127 devices
- Majority contain an IR receiver for use with handheld remote control
- Compatible with Decora® and Decora Plus snap-on, screwless wallplates

WARRANTY

- Backed by a Limited Two-Year Warranty



D42P8-00W



D42P8

Dimensions Architectural Lighting Control Systems

D4200 Product Listing



D4200 REMOTE STATIONS

DESCRIPTION	CAT. NO.	COLOR	DESCRIPTION	CAT. NO.	COLOR
Start/stop sequence, when the sequencer is used 	d42sq-00w	White*	Selects Maximum, Off, and master raise/lower 	d42mo-rlw	White*
Start/stop event, when the event timer is used 	d42et-00w	White*	Selects 4 preset scenes and Off 	d42p4-00w	White*
Link station toggles LCD stations between Scene 1 and 2 	d42li-nkw	White*	Selects Preset Scene 1, Maximum, and Off with master raise/lower 	d42p1-rlw	White*
Lock/unlock D4200 Controller from remote location 	d42lo-ckw	White*	Selects Preset Scenes 1-4, Maximum, and Off with raise/lower 	d42p4-rlw	White*
Selects Preset Scene 1 and Off 	d42p1-00w	White*	Selects Preset Scenes 9-16 	d42p9-16w	White*
Master raise/lower control station 	d42rl-00w	White*	Selects Preset Scenes 1-8, Maximum, and Off 	d42p8-00w	White*
Selects Preset Scene Maximum and Off 	d42mo-00w	White*	Selects Preset Scenes 9-16 plus raise/lower 	d42p9-rlw	White*
Selects Preset Scene 1, Maximum, and Off 	d42p1-m0w	White*			

*With matching, screwless Decora Plus wallplate.

NOTE: For additional application and technical information, see Pages D21 through D23.

D4200 ROOM-COMBINE STATIONS

In conjunction with the D4200 Controller, D4200 Room-Combine stations combine and separate lighting control within spaces with up to four movable walls. Five different models address common room configurations, and feature an easy-to-understand graphic of the room layout. Each button is clearly labeled with its room combination function, and illuminates when the rooms are combined. Pressing the button again returns the rooms to independent operation and the button no longer illuminates to confirm that the spaces are no longer joined.

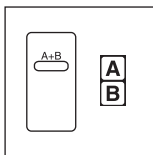
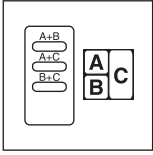
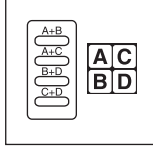
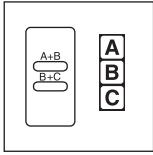
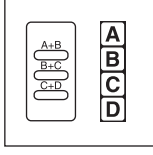
SPECIFICATIONS & FEATURES

- Accommodates room partitions by combining and separating lighting controls (5 common room configurations)
- Must be wired via Luma-Net to D4200 Controller
- Minimal programming required
- Comes with snap-on Monet-style wallplate with silk-screened room configuration

WARRANTY

- Backed by a Limited Two-Year Warranty

D4200 Room-Combine Stations

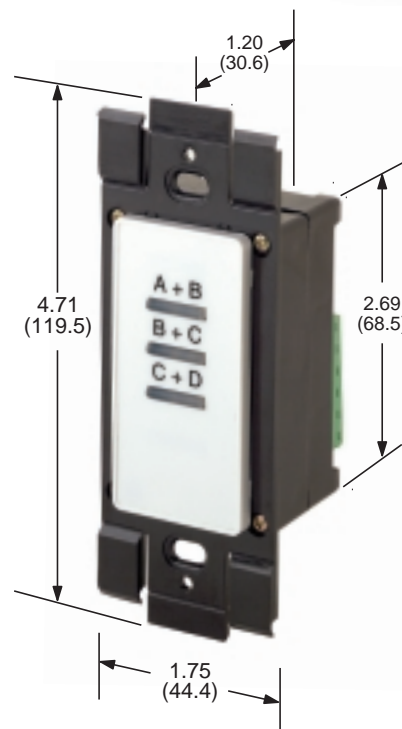
DESCRIPTION	CAT. NO.	COLOR
Combines 2 rooms with 1 partition 	d42cs-01w	White*
Combines 3 rooms with 3 partitions 	d42cs-3aw	White*
Combines 4 rooms with 4 partitions 	d42cs-04w	White*
Combines 3 rooms with 2 partitions 	d42cs-02w	White*
Combines 4 rooms with 3 partitions 	d42cs-03w	White*

*With matching wallplate.

NOTE: For additional application and technical information, see Pages D21 through D23.



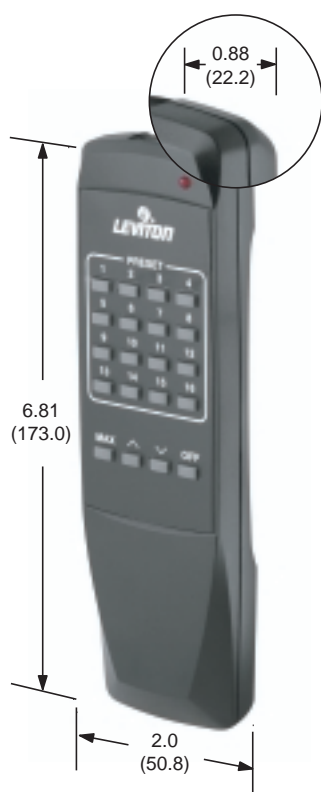
D42CS-03W



D42CS-03W

Dimensions Architectural Lighting Control Systems

D4200 Product Listing



D42IR-16L

D4200 ACCESSORIES

SPECIFICATIONS & FEATURES

Handheld Remote Control

- Features 4-, 8- or 16-scene presets plus maximum brightness and off
- Point at any IR-receiving D4200/D8000 controller or auxiliary IR receiver to select scene, select maximum brightness, or turn off
- Operates at 56kHz frequency; 30- to 50-foot range

Auxiliary Infrared Receivers

- Available in flush- and surface-mount versions
- Must be programmed to work with D4200 Multizone Controller or IR-receiving D4200 Remote Station
- Installs in a 3.5-inch-deep backbox

WARRANTY

- Backed by a Limited Two-Year Warranty

Handheld Infrared Remote Controls

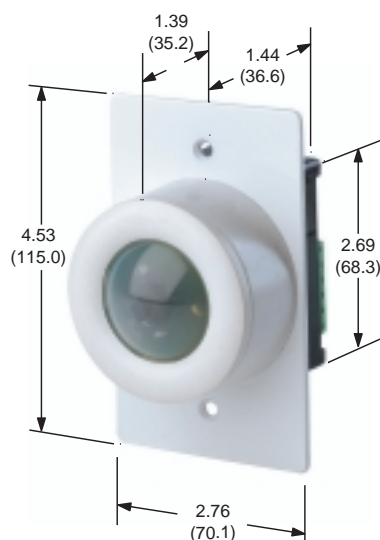
DESCRIPTION	CAT. NO.	COLOR
Remote Control with 4 scene selections	d42ir-04l	Black
Remote Control with 8 scene selections	d42ir-08l	Black
Remote Control with 16 scene selections	d42ir-16l	Black

Auxiliary IR Receivers

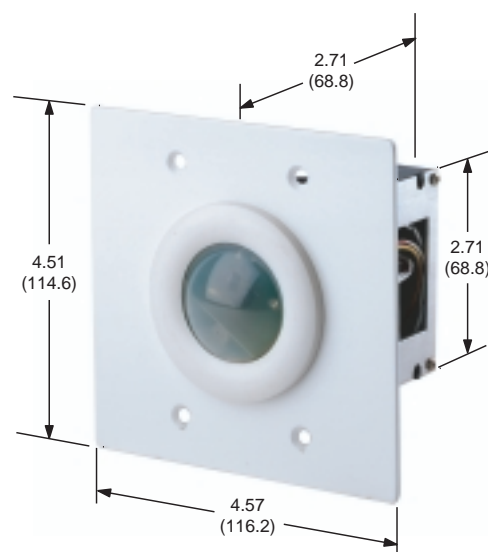
DESCRIPTION	CAT. NO.	COLOR
Flush-mounting IR Receiver for use with any D42IR remote (with 2-gang backbox)	d42ir-rfw	White
Surface-mounting IR Receiver for use with any D42IR remote (with single-gang backbox)	d42ir-rsw	White

Contact Closures

DESCRIPTION	CAT. NO.	COLOR
MechoShade® Interface–Dimensions contact closure output for use with MechoShade devices. Three Luma-Net channels to 2 standard MechoShade (5 position) and 1 blackout (2 position)	dcmsd-021	—
Dimensions Contact Closure Output Board – LumaNet to 8 low-voltage contact closure relay outputs, each rated for up to 24V, 0.5A	dcout-008	—



D42IR-RSW



D42IR-RFW

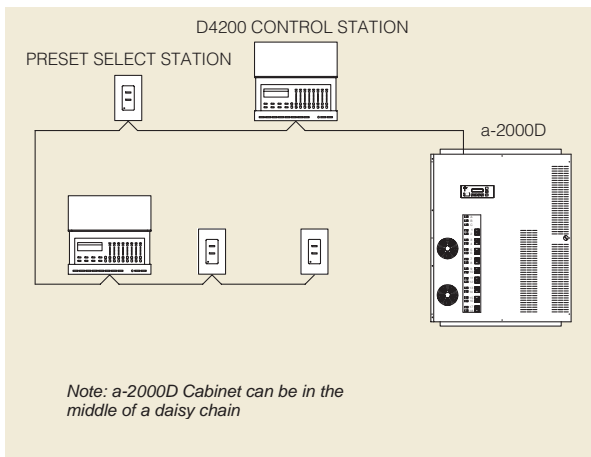
GENERAL APPLICATION

Leviton's Dimensions® D4200 Architectural Lighting Control System is a multizone system for individual zone control plus the creation and selection of lighting scenes throughout a room or group of rooms. The system communicates via a Luma-Net® network and can be networked to a range of lighting control devices, including dimming racks and cabinets. The D4200 offers partitioning that enables controllers in one room to interact with networked dimmers, motor loads, and dimming loads in other rooms.

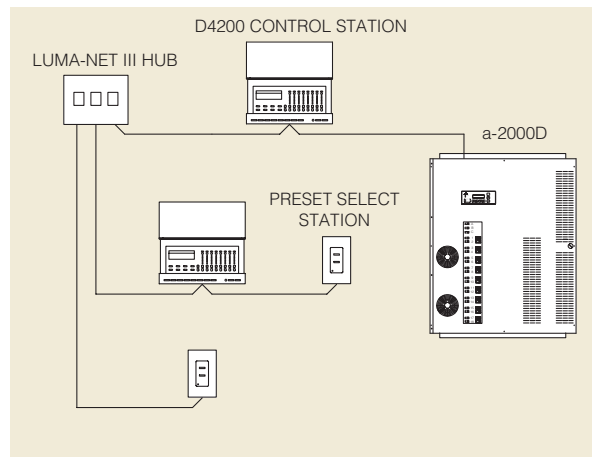
The D4200 is designed for the broadest range of commercial lighting control applications. It is especially well suited to applications with significant power requirements combined with a need for a cost-effective and/or easy-to-operate system—and those that require event scheduling.

- Conference Rooms
- Upscale Restaurants
- Houses of Worship
- Hotel Suites
- Banquet Facilities
- Multimedia Areas
- Museums

D4200 System Wiring diagram, Daisy chain scheme



D4200 System Wiring diagram, Hub



ASAP PROGRAM

Receive expedited delivery on hundreds of D4200 (and a-2000) configurations through the Leviton ASAP! Program. Leviton offers a seven-working-day turnaround when you order one of these systems through a Leviton Lighting Control Agent.

The ASAP! Program includes.

- Fast system quotations from the Leviton Lighting Control Agent
- Pre-drawn system (eliminating submittal drawing time)
- System shipment within 7 working days of order confirmation from factory

Contact your Leviton Lighting Control Agent to learn more about ASAP!

Dimensions Architectural Lighting Control Systems

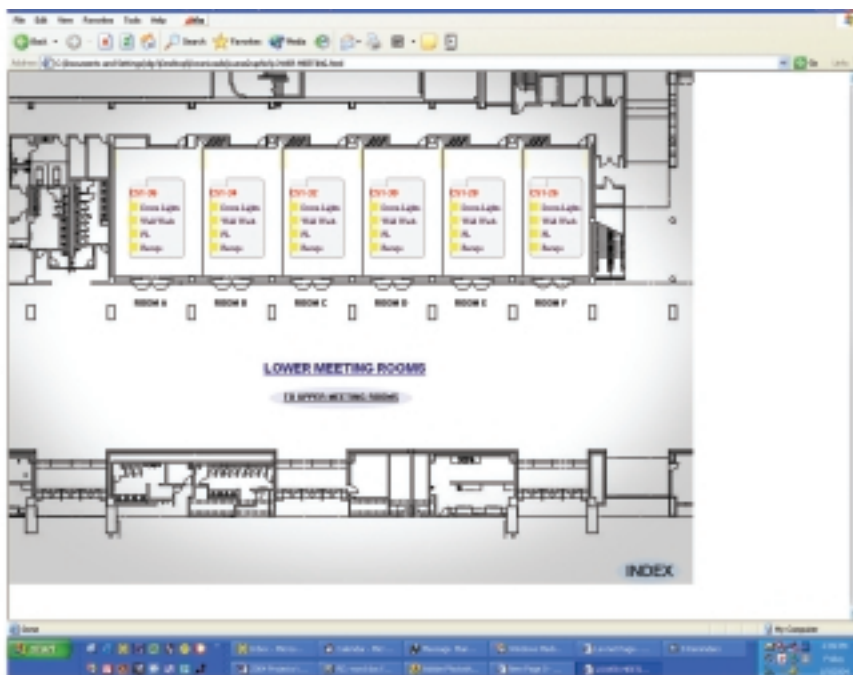
D4200 Applications



LUMAGRAPHIC SOFTWARE

LumaGraphic graphical user interface software is a custom-designed application that not only provides a graphic view of a facility and the lighting control system, but also enables point-and-click centralized control of the entire system. LumaGraphic makes tasks such as room combining and lighting changes quick and easy, all from a remote PC. LumaGraphic is the ultimate in control and convenience for convention centers, banquet and meeting facilities, and other large scale lighting control applications. Contact your Leviton Lighting Control Agent to learn more about the LumaGraphic custom graphical user interface.

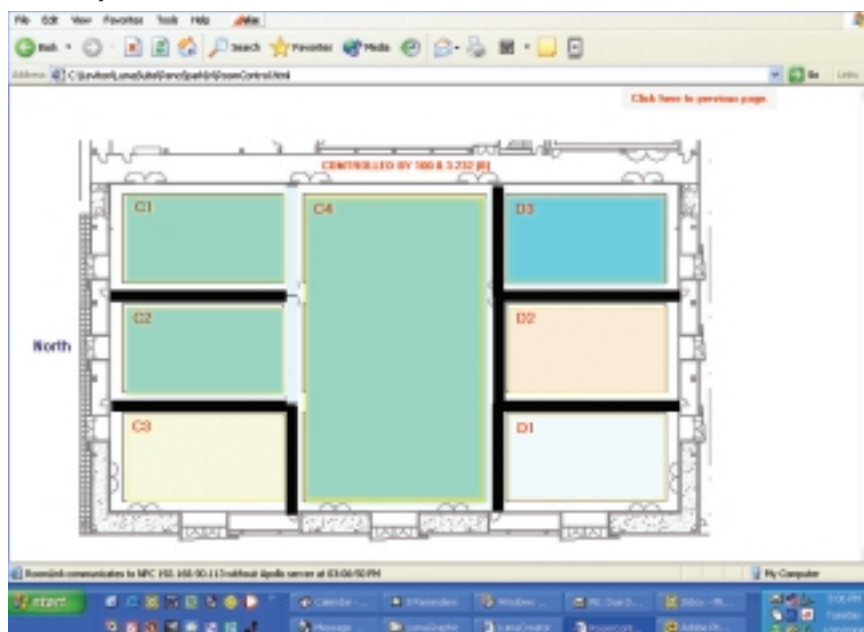
LumaGraphic Room Layout View



LumaGraphic Dimming Window



LumaGraphic Room Combine View



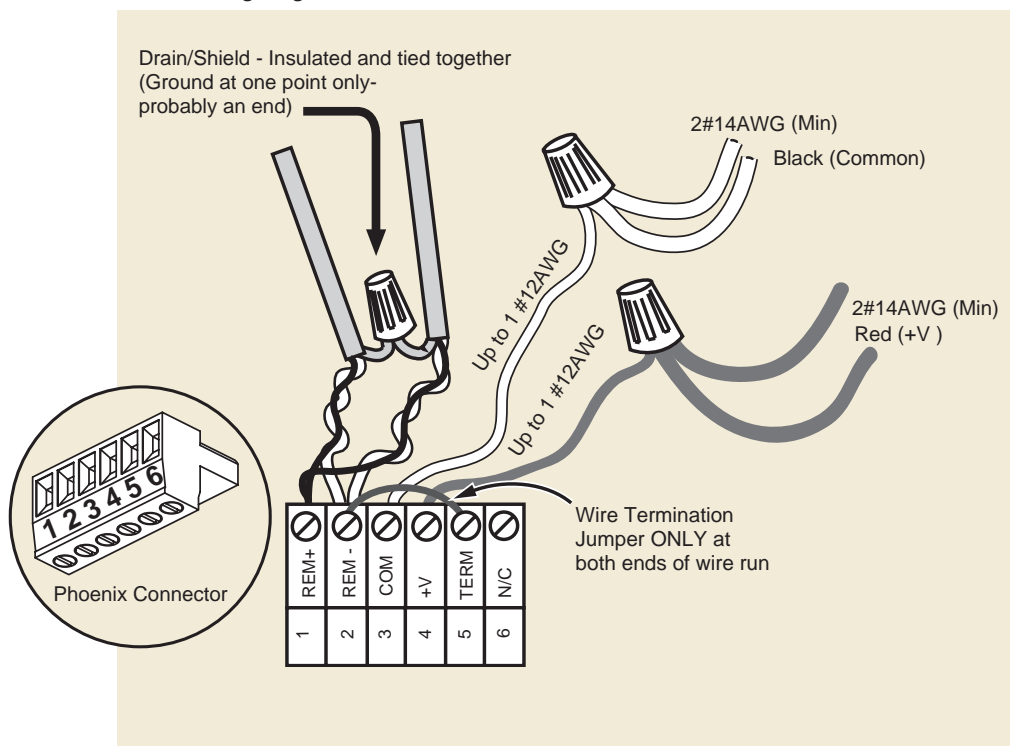
System Requirements

HARDWARE	OPERATING SYSTEM
<ul style="list-style-type: none"> • Pentium®-class processor, 300 MHz or better • Super VGA (1024 X 768) or higher resolution video adapter and monitor. • 128MB of RAM minimum (256 MB recommended) • 300MB of hard disk space • Network Protocol Converter XP 	<ul style="list-style-type: none"> • Microsoft Windows 2000 or later (Windows XP recommended) • Service Pack (SP) 2 of Windows 2000, or SP 1 of the Windows XP required <p>See www.leviton.com for latest OS compatibility.</p>
SOFTWARE	NETWORK
<ul style="list-style-type: none"> • Internet Explorer 6.0 or higher 	<ul style="list-style-type: none"> • 10/10 base T network capability

WIRING

The D4200 Multizone Controller and all D4200 stations are wired via a Phoenix connector. We strongly recommend the use of either Belden 9829 or Belden 9729 for the Luma-Net wire runs. A second pair of stranded wire is required for the power.

D4200 Wiring Diagram



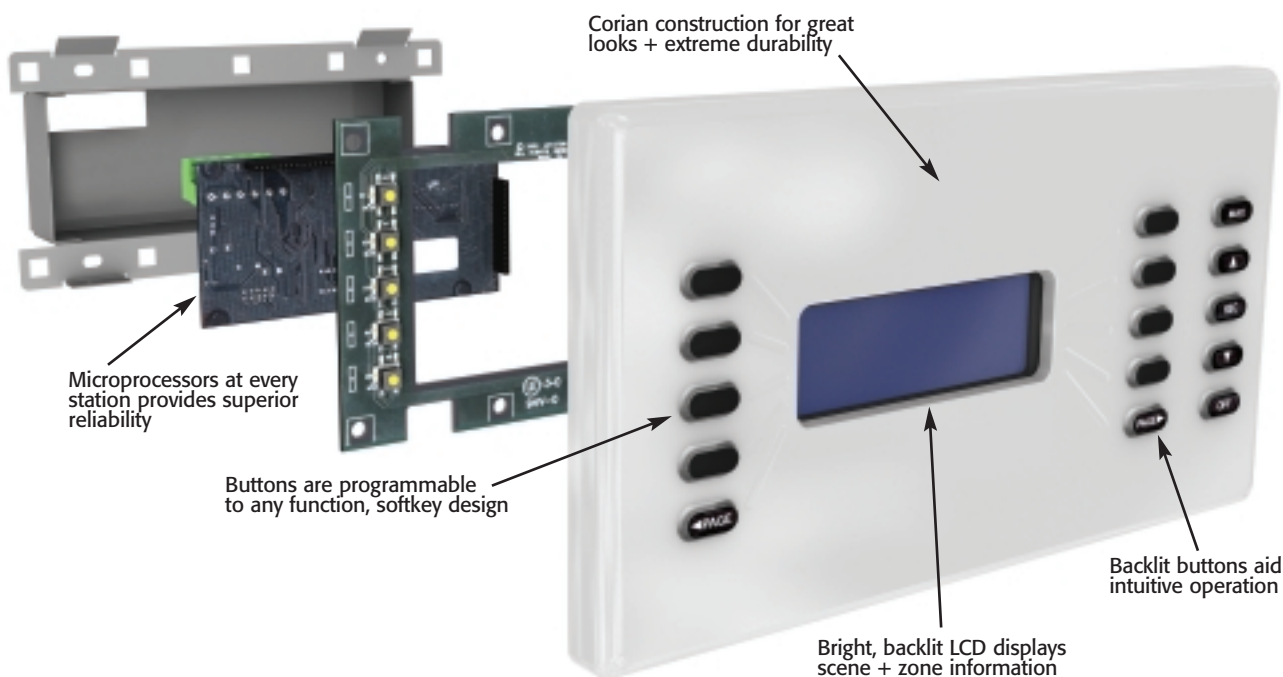
Dimensions Architectural Lighting Control Systems

D8000 Overview



D8000 Architectural Lighting Control System

Dimensions® D8000 is an advanced line of lighting controls with distributed processing and network topology that brings the power, flexibility and reliability of networked computing to the lighting realm. A complete D8000 system may include LCD, pushbutton and slider stations; theatrical lighting consoles; dimming racks; relay cabinets; photocells; and occupancy sensors. The D8000 can accommodate large-scale, complex projects that integrate theatrical, architectural and energy management lighting control systems, as well as small applications that may benefit from its intuitive operations, flexibility and design-friendly aesthetics.



- LCD station comes in wall-mount and portable console models
- Programmable functions include: fade-to level and rate, personality change, scene change, partitioning, scene record mode, group raise/lower, maximum bright, and lockout
- Optional handheld remote control can be used with most stations
- Optional LumaGraphic™ software enables setup and control from a PC
- Ability to network over 32,000 stations over a Luma-Net® network
- Interfaces with HVAC, emergency, time clock, and load shed auxiliary systems
- Stations retain programming during power outages

Available Colors



Glacier White Nocturne Black

Additional Corian colors (and other materials) are available per special order.

Note: Dimensions in parenthesis are millimeters; all other dimensions are in inches.

D8000 LCD STATION

This advanced lighting control station is part of a highly scalable system that is suited not only to sophisticated, large-scale commercial applications but also to single-station installations. The station comes in two versions: one that sits on a tabletop and the other for wall mounting. The D8000 LCD Station features menus for easy programming and lighting control, an IR receiver for use with a handheld remote control, and a comprehensive suite of functionality including event scheduling, partitioning and networkability.

SPECIFICATIONS & FEATURES

Operations

- All buttons are programmable and can execute any system function
- Buttons are mechanically-captured to prevent vandalism
- Multiple levels of passwords and a lock-out feature prevent unwanted changes
- Programming via LumaEdit™ (for system setup)
- Built-in IR receiver enables station to be accessed via handheld remote

Function

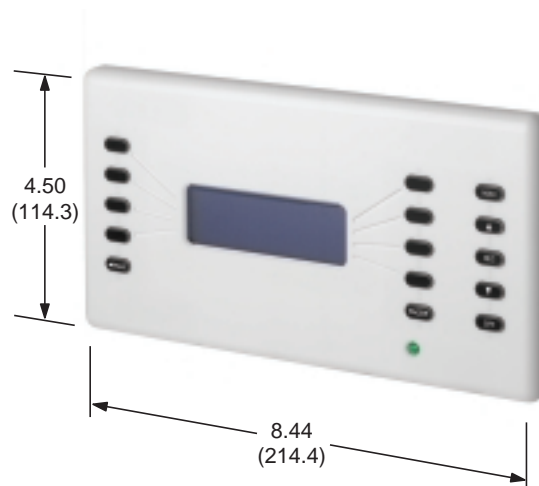
- Networks with up to 32,640 stations (127 per sub-network) over a Luma-Net® network
- Controls up to 2,048 zones per network
- Works with D8000 Slider and Pushbutton Stations, a-2000 Dimming Panels, i Series e Dimming Racks, DMX512 Dimming Racks (with a NPC XP or DLR), Luma-Net Hubs, Luma-Net Combine/Closure Interface
- Wall station fits in 3.5-inch-deep, four-gang wallbox

Style

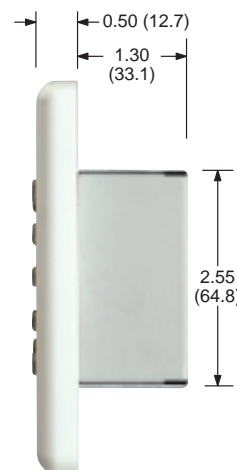
- Optional, customized faceplate including full range of Corian colors, engraving, and fabrication from alternative materials
- Optional, custom button legends
- Convenient console model available

TESTING & CODE COMPLIANCE

- Meets ASHRAE Standard 90.1
- Backed by a Limited Two-Year Warranty



KLCD0-00W



DESCRIPTION	CAT. NO.	RATING	COLOR
D8000 LCD Wall Station with standard buttons	klcdo-00	12VDC input ± 2VDC	W, B*
D8000 LCD Wall Station with custom buttons	klcdo-0c	12VDC input ± 2VDC	W, B*
D8000 LCD Portable Console with standard buttons	klcdp-00	12VDC input ± 2VDC	W, B*
D8000 LCD Portable Console with custom buttons	klcdp-0c	12VDC input ± 2VDC	W, B*

* Add letter to end of catalog number suffix as follows for color selection: Corian Glacier White (W), Corian Nocturne Black (B). For a custom Corian color or otherwise customized faceplate, contact your Leviton Lighting Control Agent.

NOTE: For additional application and technical information, see Pages D31 through D33.

Dimensions Architectural Lighting Control Systems

D8000 Product Listing



KS151-00W

D8000 DIGITAL SLIDER STATIONS

SPECIFICATIONS & FEATURES

Operation

- 6-button configurations provide 3-scene recall, manual override, maximum brightness, and off
- 11-button configurations provide 5-scene recall, manual override, multiple scene record modes, maximum brightness, and off
- All buttons are programmable and can execute any system function (buttons are mechanically-captured to prevent vandalism)
- Programming via LumaEdit™ (for system setup)
- Built-in IR receiver enables station to be accessed via handheld remote

Function

- Features multiple levels of security to prevent unwanted changes
- Controls up to 2,048 zones
- Networks with up to 32,640 stations (127 per sub-network) over Luma-Net®
- Works with D8000 Slider and Pushbutton Stations, D4200 Entry Stations, a-2000 Dimming Panels, i Series e Dimming Racks, DMX Dimming Racks (with a NPC XP or DLR), Luma-Net Hubs, Luma-Net Combine/Closure Interface
- All stations fit in 3.5-inch-deep wallbox

Style

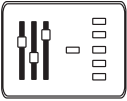
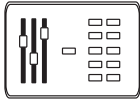
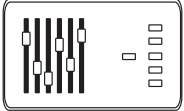
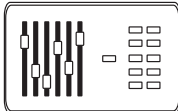
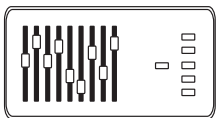
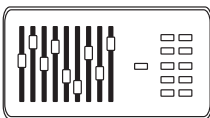
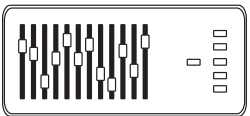
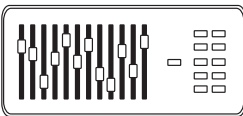
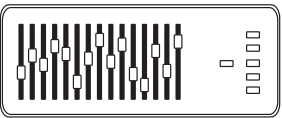
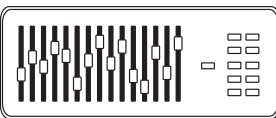
- Optional, customized faceplate including full range of Corian colors, engraving, and fabrication from alternative materials
- Optional, custom button legends

WARRANTY

- Backed by a Limited Two-Year Warranty

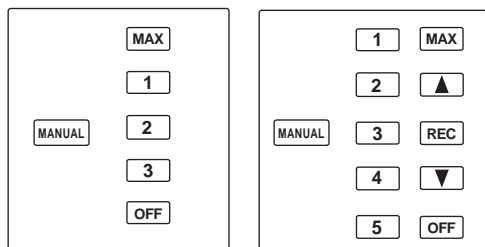


D8000 SLIDER STATIONS & LABELS

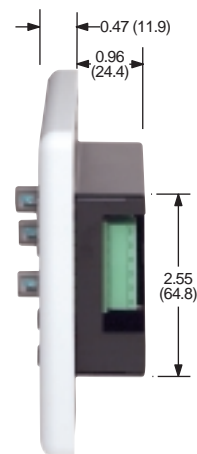
6-Button			11-Button		
DESCRIPTION	CAT. NO.	COLOR	DESCRIPTION	CAT. NO.	COLOR
2-gang, 3-slider, 6-button D8000 station with <i>standard</i> button legend	ks035-00	W, B*	2-gang, 3-slider, 11-button D8000 station with <i>standard</i> button legend	ks031-00	W, B*
					
KS035 with <i>custom</i> button legend	ks035-0c	W, B*	KS031 with <i>custom</i> button legend	ks031-0c	W, B*
3-gang, 6-slider, 6-button D8000 station with <i>standard</i> button legend	ks065-00	W, B*	3-gang, 6-slider, 11-button D8000 station with <i>standard</i> button legend	ks061-00	W, B*
					
KS065 with <i>custom</i> button legend	ks065-0c	W, B*	KS061 with <i>custom</i> button legend	ks061-0c	W, B*
4-gang, 9-slider, 6-button D8000 station with <i>standard</i> button legend	ks095-00	W, B*	4-gang, 9-slider, 11-button D8000 station with <i>standard</i> button legend	ks091-00	W, B*
					
KS095 with <i>custom</i> button legend	ks095-0c	W, B*	KS091 with <i>custom</i> button legend	ks091-0c	W, B*
5-gang, 12-slider, 6-button D8000 station with <i>standard</i> button legend	ks125-00	W, B*	5-gang, 12-slider, 11-button D8000 station with <i>standard</i> button legend	ks121-00	W, B*
					
KS125 with <i>custom</i> button legend	ks125-0c	W, B*	KS121 with <i>custom</i> button legend	ks121-0c	W, B*
6-gang, 15-slider, 6-button D8000 station with <i>standard</i> button legend	ks155-00	W, B*	6-gang, 15-slider, 11-button D8000 station with <i>standard</i> button legend	ks151-00	W, B*
					
KS155 with <i>custom</i> button legend	ks155-0c	W, B*	KS151 with <i>custom</i> button legend	ks151-0c	W, B*

* Add letter to end of catalog number suffix as follows for color selection: Corian Glacier White (W), Corian Nocturne Black (B).
For a custom Corian color or otherwise customized faceplate, contact your Leviton representative.

STANDARD BUTTON LEGENDS



KSXXX WIDTH x HEIGHT	
2 Gang	4.81 (12.2cm) x 4.50 (11.4cm)
3 Gang	6.62 (16.8cm) x 4.50 (11.4cm)
4 Gang	8.44 (21.4cm) x 4.50 (11.4cm)
5 Gang	10.25 (26.0cm) x 4.50 (11.4cm)
6 Gang	12.06 (30.6cm) x 4.50 (11.4cm)



NOTE: For additional application and technical information, see Pages D31 through D33.



KB151-00W

D8000 PUSHBUTTON STATIONS

SPECIFICATIONS & FEATURES

Operation

- Six different single-gang stations in 1-, 2-, 3-, 5-, 10- and 15-button configurations
- All buttons are programmable and can execute any system function
- Buttons are mechanically-captured to prevent vandalism
- Stations with raise/lower feature enable scene light level adjustment without changing programmed preset levels
- Programming via LumaEdit™ (for system setup)
- Built-in IR receiver enables station to be accessed via handheld remote

Function

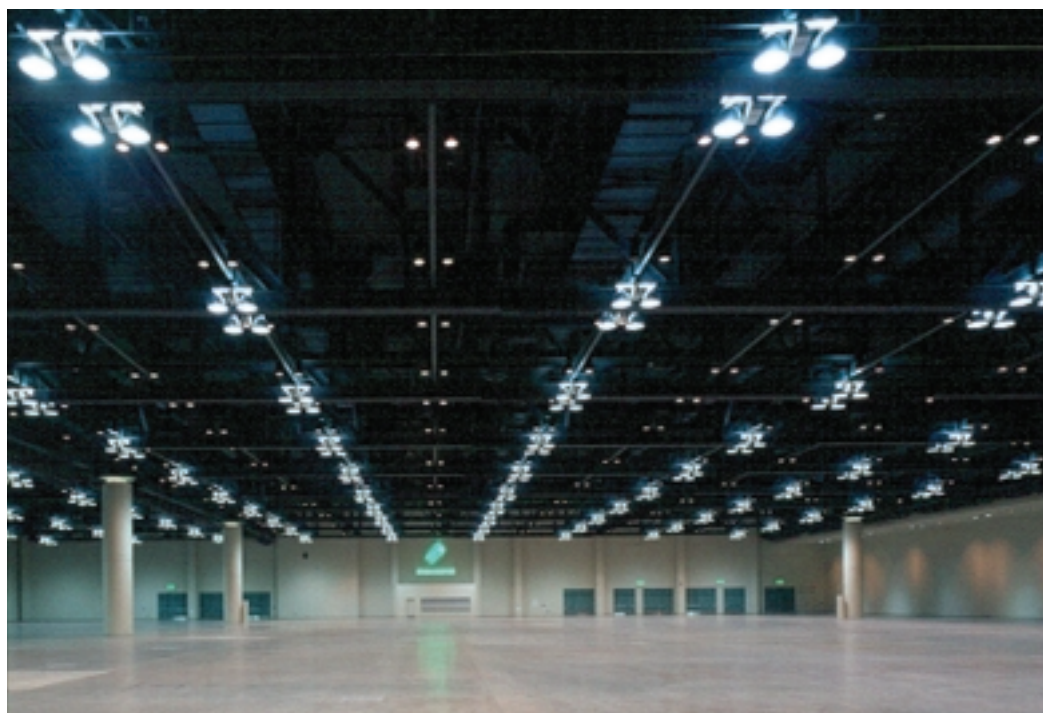
- Multiple levels of security to prevent unwanted changes
- Controls up to 2,048 zones
- Networks with up to 32,640 stations (127 per sub-network) over a Luma-Net®
- Works with D8000 Slider and Pushbutton Stations, a-2000 Dimming Panels, i Series e Dimming Racks, DMX Dimming Racks (with a NPC XP or DLR), Luma-Net Hubs, Luma-Net Combine/Closure Interface
- All stations fit in 3.5-inch-deep single-gang wallbox

Style

- Optional, customized faceplate including full range of Corian colors, engraving, and fabrication from alternative materials
- Each model has at least three, standard label options; custom labels are also available

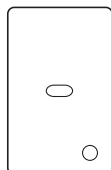
WARRANTY

- Backed by a Limited Two-Year Warranty



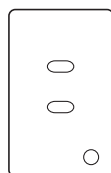
D8000 PUSHBUTTON STATIONS & LABELS

1-Button D8000 Pushbutton Station



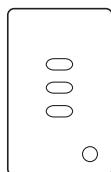
CAT. NO.	LABEL CONTENTS	COLOR
kb010	Blank	W, B*
kb011	MAX	W, B*
kb012	PRESET	W, B*
kb013	ON	W, B*
kb014	PANIC	W, B*
kb01c	Custom	W, B*

2-Button D8000 Pushbutton Station



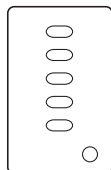
CAT. NO.	LABEL CONTENTS	COLOR
kb020	Blank	W, B*
kb021	MAX, OFF	W, B*
kb022	PRESET, OFF	W, B*
kb023	Raise, Lower	W, B*
kb024	ON, OFF	W, B*
kb02c	Custom	W, B*

3-Button D8000 Pushbutton Station



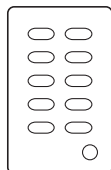
CAT. NO.	LABEL CONTENTS	COLOR
kb030	Blank	W, B*
kb031	Raise, Lower, OFF	W, B*
kb032	1, 2, OFF	W, B*
kb03c	Custom	W, B*

5-Button D8000 Pushbutton Station



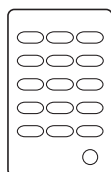
CAT. NO.	LABEL CONTENTS	COLOR
kb050	Blank	W, B*
kb051	1 - 4, OFF	W, B*
kb052	MAX, 1 - 3, OFF	W, B*
kb05c	Custom	W, B*

10-Button D8000 Pushbutton Station

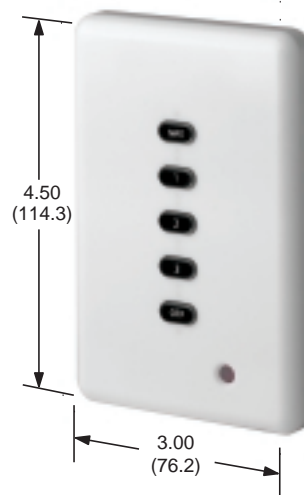


CAT. NO.	LABEL CONTENTS	COLOR
kb100	Blank	W, B*
kb101	1 - 8, MAX, OFF	W, B*
kb102	1 - 5, MAX, Raise, RECO, Lower, OFF	W, B*
kb10c	Custom	W, B*

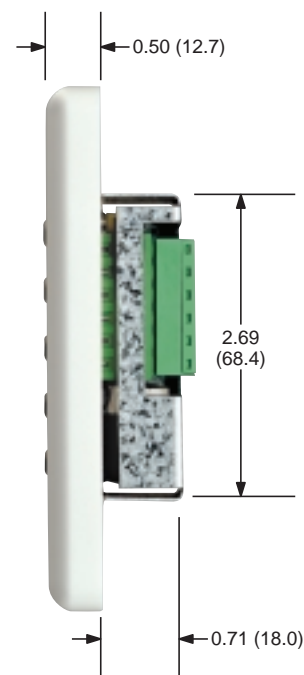
15-Button D8000 Pushbutton Station



CAT. NO.	LABEL CONTENTS	COLOR
kb150	Blank	W, B*
kb151	1 - 12, MAX, WORK, OFF	W, B*
kb152	1 - 10, MAX, Raise, RECO, Lower, OFF	W, B*
kb15c	Custom	W, B*



KB052-00W

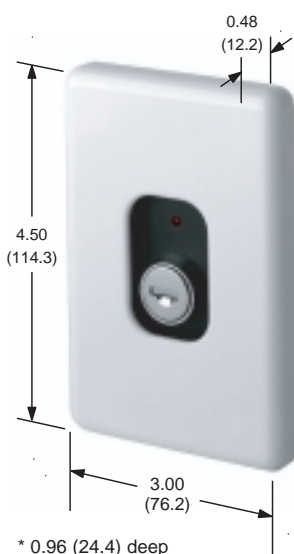
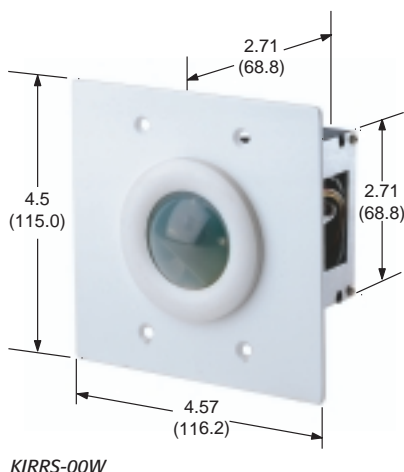
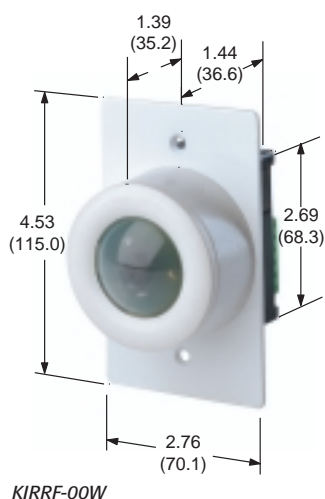


* Add suffix to catalog number as follows for color selection: Corian Glacier White (-00W), Corian Nocturne Black (-00B). For a custom Corian color or otherwise customized faceplate, contact your Leviton Lighting Control Agent.

NOTE: For additional application and technical information, see Pages D31 through D33.

Dimensions Architectural Lighting Control Systems

D8000 Product Listing



D8000 ACCESSORY STATIONS & REMOTE CONTROL

SPECIFICATIONS & FEATURES

Accessory Stations

- All stations must be wired via Luma-Net®
- All fit inside 3.5-inch-deep, single-gang wallbox
- Optional, customized faceplate including full range of Corian colors, engraving, and fabrication from alternative materials

Handheld Remote Control

- Features 4-, 8- or 16-scene presets plus maximum brightness and off
- Point at any IR-receiving D8000 station or at auxiliary IR receiver to select scene, select maximum brightness, or turn off
- Operates at 56kHz frequency at 30- to 50-foot range

Auxiliary Infrared Receivers

- Available in flush- and surface-mount versions
- Must be programmed to work with IR-receiving D8000 Station
- Installs in a 3.5-inch-deep backbox

WARRANTY

- Backed by a Limited Two-Year Warranty

Single-Gang D8000 Accessory Stations

DESCRIPTION	CAT. NO.	COLOR
Key Switch Station—Key operated lockout station that can be programmed to lock out any number of stations in the D8000 network	klck1	W, B*
Remote Portal Connection—for connecting a Console LCD, button or slider station	kifc1	W, B*
PC Interface for LumaEdit™ Programming—9-pin female connector	kifc2	W, B*
A/V Serial Interface—9-pin female connector, enables D8000 network to receive RS232 signals from personal computers and A/V equipment	kifc3	W, B*

* Add suffix to catalog number as follows for color selection: Corian Glacier White (-00W), Corian Nocturne Black (-00B). For a custom Corian color or otherwise customized faceplate, contact your Leviton representative.

Handheld Infrared Remote Controls

DESCRIPTION	CAT. NO.	COLOR
Remote Control with 4 scene selections	d42ir-04l	Black
Remote Control with 8 scene selections	d42ir-08l	Black
Remote Control with 16 scene selections	d42ir-16l	Black

Auxiliary IR Receivers

DESCRIPTION	CAT. NO.	COLOR
Flush-mounting IR Receiver (2-gang backbox)	kirrf-00w	White
Surface-mounting IR Receiver (single-gang backbox)	kirrs-00w	White

Contact Closures

DESCRIPTION	CAT. NO.	COLOR
MechoShade® Interface—Dimensions contact closure output for use with MechoShade devices. Three Luma-Net channels to 2 standard MechoShade (5 position) and 1 blackout (2 position)	dcmsd-021	—
Dimensions Contact Closure Output Board — LumaNet to 8 low-voltage contact closure relay outputs, each rated for up to 24V, 0.5A	dcout-008	—

GENERAL APPLICATION

The Dimensions® D8000 Architectural Lighting Control System brings the power and flexibility of networked computing to lighting applications. The system can be networked via a Luma-Net® network to slider stations, LCD stations, theatrical lighting consoles, dimming racks, relay cabinets, photocells, and occupancy sensors. Theatrical lighting, architectural lighting and energy management systems can be fully integrated with the D8000 system.

The D8000 uses distributed processing and is therefore highly scalable. While ideal for use with large-scale and complex systems, the D8000 can also be applied to small, discrete systems. Consider a D8000 system:

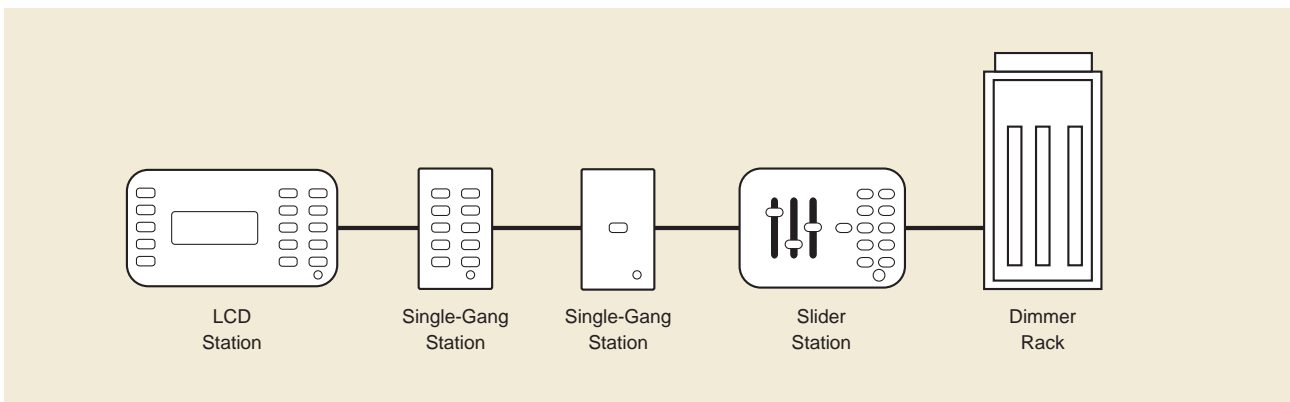
- In public areas subject to high abuse
- Where ease-of-use is important

- Where a number of lighting requirements must be integrated—for example, linking together a number of spaces that contain various load types, daylight harvesting functionality, and occupancy sensors

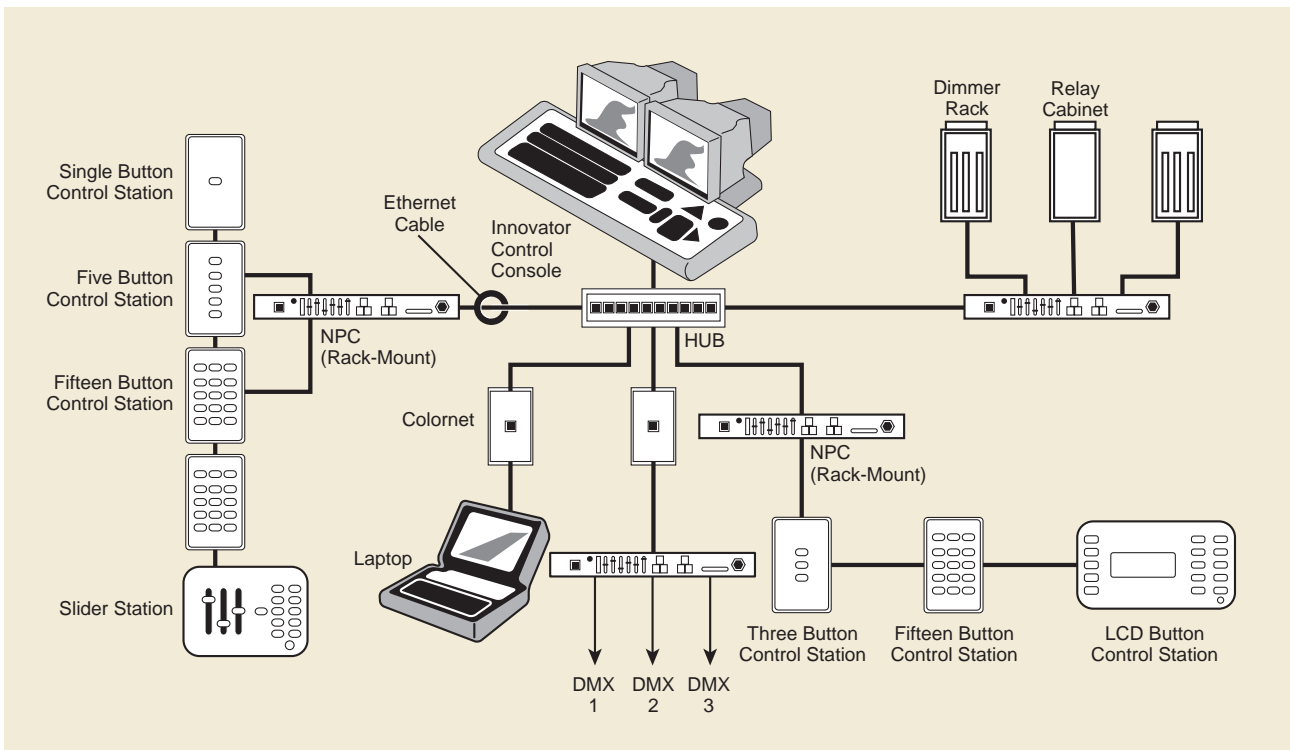
Common D8000 Applications

- Convention Centers
- Hotels
- Banquet Facilities
- Houses of Worship
- Schools, Universities, Lecture Halls
- Theaters

Typical Application



Advanced Application



Dimensions Architectural Lighting Control Systems

D8000 Applications



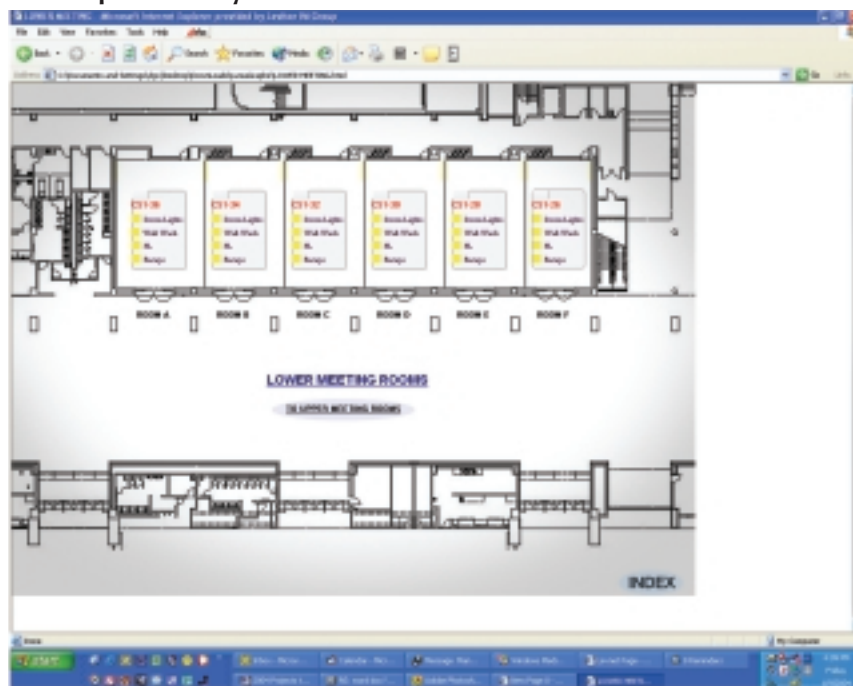
**LumaGraphic
Dimming Window**



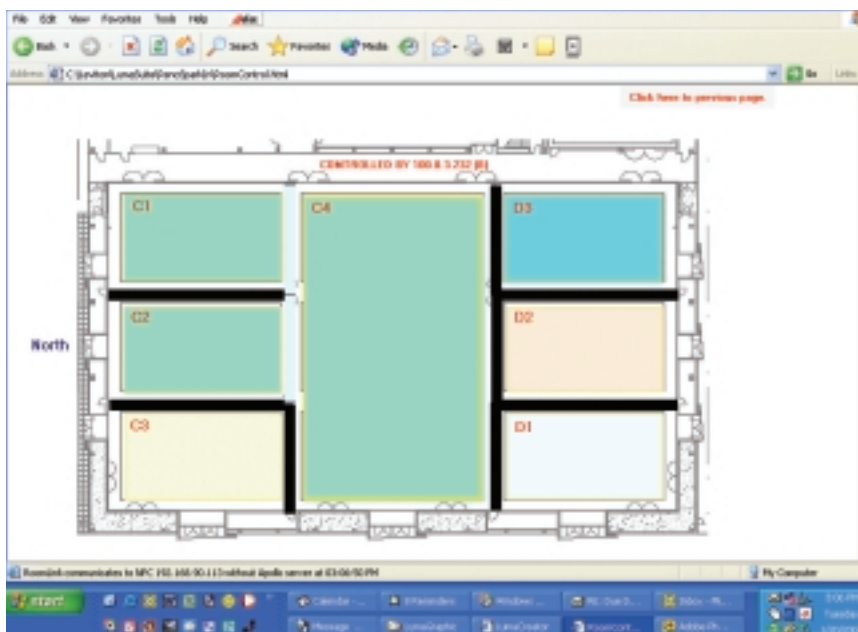
LUMAGRAPHIC SOFTWARE

LumaGraphic graphical user interface software is a custom-designed application that not only provides a graphic view of a facility and the lighting control system, but also enables point-and-click centralized control of the entire system. LumaGraphic makes tasks such as room combining and lighting changes quick and easy, all from a remote PC. LumaGraphic is the ultimate in control and convenience for convention centers, banquet and meeting facilities, and other large scale lighting control applications. Contact your Leviton Lighting Control Agent to learn more about the LumaGraphic custom graphical user interface.

LumaGraphic Room Layout View



LumaGraphic Room Combine View



System Requirements

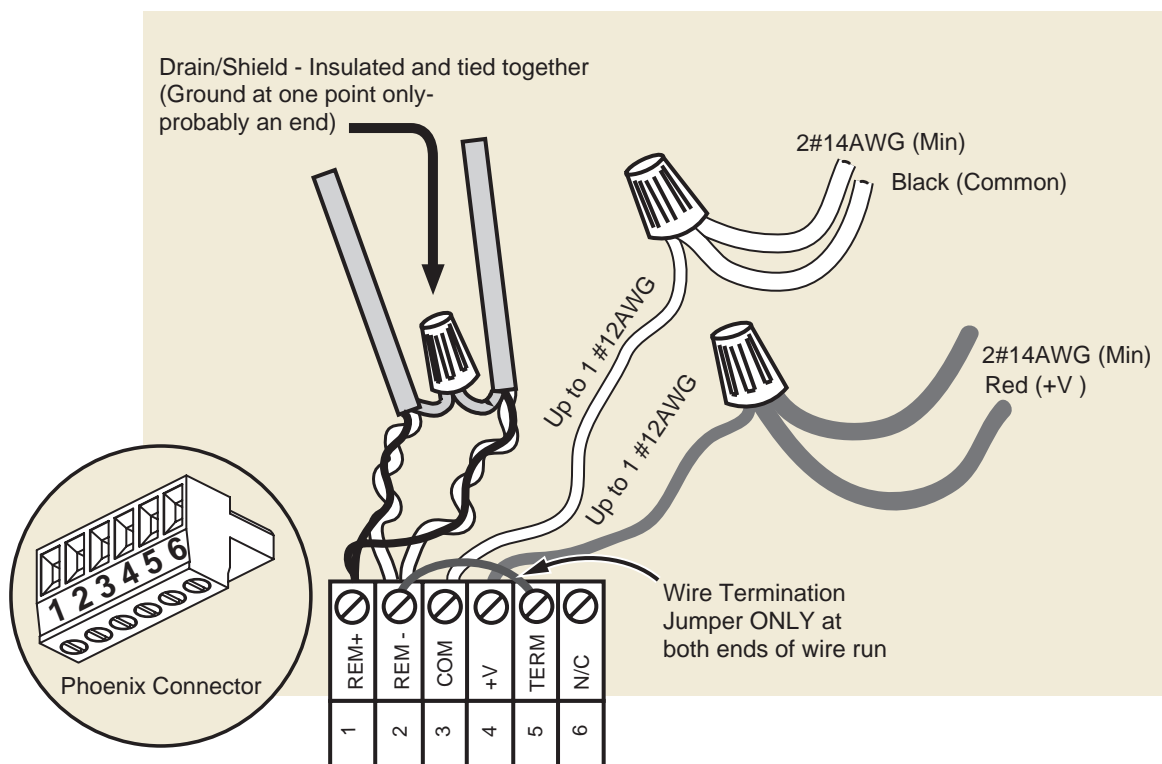
HARDWARE	OPERATING SYSTEM
<ul style="list-style-type: none"> Pentium®-class processor, 300MHz or better Super VGA (1024 X 768) or higher resolution video adapter and monitor 128MB of RAM min (<i>256 MB recommended</i>) 300MB of hard disk space Network Protocol Converter XP 	<ul style="list-style-type: none"> Microsoft Windows 2000 or later (Windows XP recommended) Service Pack (SP) 2 of Windows 2000, or SP 1 of the Windows XP required <p><i>See www.leviton.com for latest OS compatibility.</i></p>
SOFTWARE	NETWORK
<ul style="list-style-type: none"> Internet Explorer 6.0 or better 	<ul style="list-style-type: none"> 10/100 base T network capability 9 pin RS232 serial capability - if point of entry into D8000 network is through KIFC3

WIRING

Every D8000 station is wired in exactly the same way and communicates via Luma-Net® III. Through the use of the Network Protocol Converter, D8000 stations can be integrated with DMX512, RS232, and standard 10/100 TCP/IP routers and networks. We strongly recommend the use of either Belden 9829 or Belden 9729 for the Luma-Net wire runs. A second pair of stranded wire is required for power.

At the last control station or dimmer cabinet on both ends of the run, a small jumper wire must be run from the terminal labeled "Rem-" to the terminal marked "Term" on that last station. This jumper wire properly terminates the digital communications lines at the end of the line.

D8000 Station Wiring Diagram





Analog Lighting Control Systems



SECTION



Leviton offers three analog systems for commercial lighting control: one a basic manual system and the other two, sophisticated preset controls. All feature highly customizable devices and can accommodate room partitioning via custom panels. CP Manual Control Panels are built-to-order slider panels for control over up to 18 channels. The DPSII and DMS8/16 are sophisticated systems for setting and recalling scenes, and for providing simple-to-operate, basic lighting control. The DPSII features several door options and both systems offer a number of stations and accessories. The DMS8/16 has a larger capacity (with more scenes and channels) plus a built-in IR receiver and key switch. It is also available as a portable console.

MANUAL SYSTEM

CP Manual Control Panel



A custom line of rugged lighting control panels that interface with up to 18 channels. Many options including locking door, custom legends, etc. **PAGE E4**

Multiple Room Control Assignment Panel



For assigning control over lighting to a specific master panel. Custom manufactured to reflect each application. **PAGE E4**

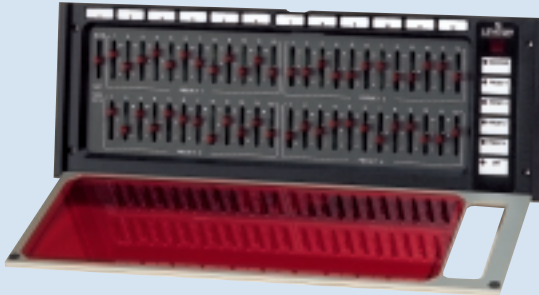
Multiple Room Join/Separate Control Panel



For manually joining and separating lighting controls. Custom manufactured to reflect specific room configuration. **PAGE E4**

DESIGNER SYSTEMS

DPSII Master Control Station



Versatile station with 4 presets for 2 to 12 channels. For dimming and scene control. Door with keyed lock available. **PAGE E9**

DPSII Remote Station



Single-gang stations provide convenient access to basic DPSII lighting control. **PAGE E11**

DMS Master Control Station



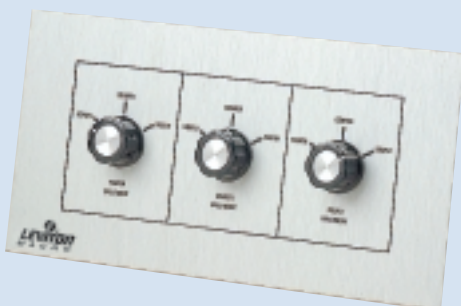
With 8 or 16 presets for 16 or 32 channels. For dimming and scene control. Features key switch to prevent unwanted access. Available as a portable console. **PAGE E13**

DMS Remote Station



Single-gang stations provide convenient access to basic DMS lighting control. **PAGE E15**

Multiple Room Control Panels



Multiple Room Control Assignment Panel for assigning control over lighting to a specific master panel. Multiple Room Join/Separate Control Panel for manually joining and separating lighting controls. Both are custom manufactured to suit specific application. **DPS: PAGE E11**
DMS: PAGE E15

Infrared Remote Control



Handheld remotes for use with DMS or DPS systems. Auxiliary IR receiver also available. **DPS: PAGE E12**
DMS: PAGE E14

Analog Lighting Control Systems

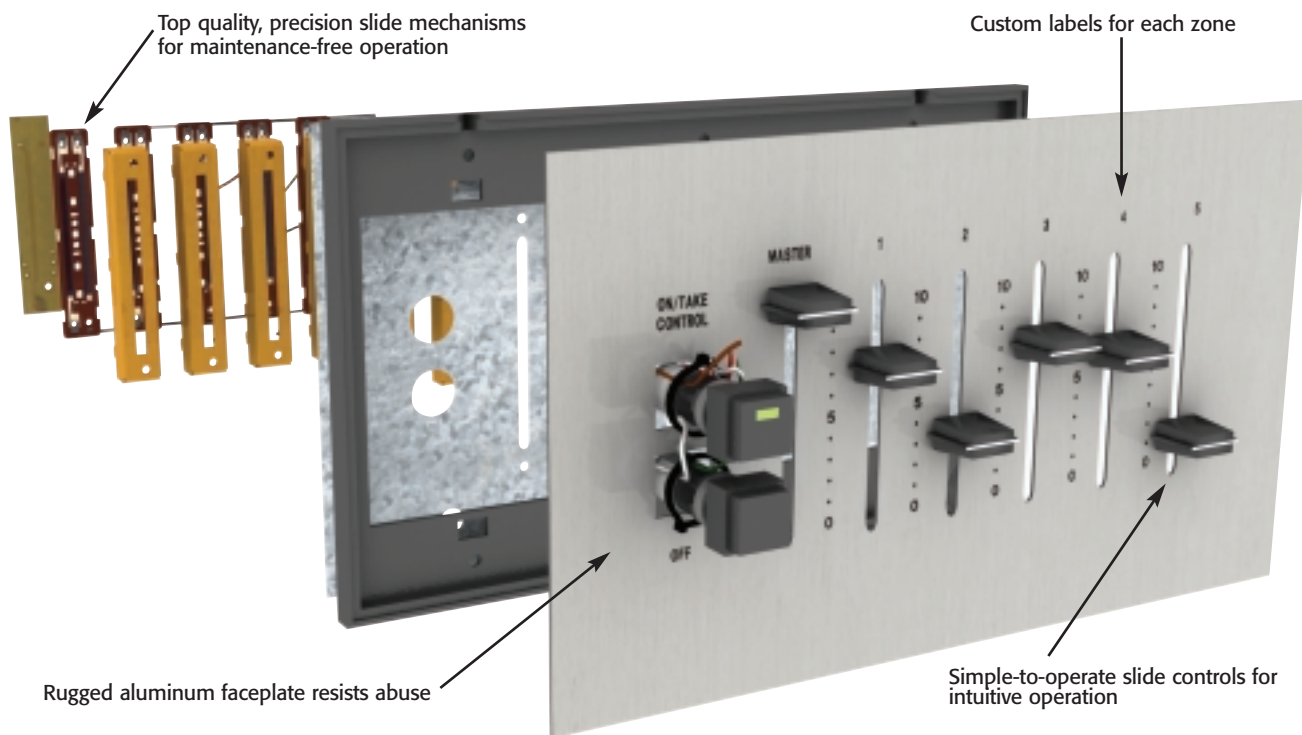
Line Overview



Analog Line Comparison Chart			
	CP Manual Controls	DPSII Preset	DMS Preset
Function	For manual lighting control (including dimming) in commercial spaces	For dimming and scene control in commercial spaces	For dimming and scene control in commercial, including larger scale spaces
Applications	<ul style="list-style-type: none"> • Meeting Spaces • Conference Rooms • Houses of Worship • Restaurants • Schools 	<ul style="list-style-type: none"> • Restaurants • Hotel Ballrooms • Conference Rooms • Houses of Worship 	<ul style="list-style-type: none"> • Convention Facilities • Restaurants • Conference Rooms • Hotel Ballrooms • Houses of Worship
Main Controller	No single, main controller required	DPSII-M Master Control Station with control over 2 to 12 channels via slide controls plus access to 4 scenes. With or without locking door	DMS Master Control Station with control over 16 or 32 channels via slide controls plus access to 8 or 16 scenes. Wall mount or portable console
System Components	<ul style="list-style-type: none"> • Multiple Room Control Assignment Panel • Multiple Room Join/Separate Control Panel 	<ul style="list-style-type: none"> • Remote Stations (4 models) • Multiple Room Control Assignment Panel • Multiple Room Join/Separate Control Panel • Handheld Remote Controller • Auxiliary IR Receiver 	<ul style="list-style-type: none"> • Remote Stations (2 models) • Console Receptacle Station • Multiple Room Control Assignment Panel • Multiple Room Join/Separate Control Panel • Handheld Remote Controllers
Design	Comes standard in brushed aluminum finish with trim bezel on faceplate. Custom finishes and legends available. Flush mount or recessed for flush appearance, with or without door	All stations come standard in brushed aluminum—custom finishes available	All stations come standard in brushed aluminum—custom finishes available
Channel Maximum	18	12	32
Scene Maximum	0	4	16
Join/Separate Functionality	Yes	Yes	Yes
Adjustable Fade Rate	No	Yes	Yes

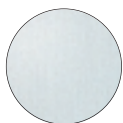
CP MANUAL CONTROL SYSTEM

Leviton's built-to-order series of rugged slide control panels provides an extremely simple mechanism for controlling up to 18 channels. Whether ordering a single-gang, one-button, one-slide device or a multifunction, multi-gang control panel, you'll find Leviton's CP series of manual control panels provides an easy-to-operate solution tailored to your needs.



- **Highly customizable: number and function of buttons and slides plus optional keyed switches, auxiliary switches, join/separate control, door with lock, etc.**
- **Dims and brightens up to 18 channels**
- **Easy installation and simple operation**
- **Rugged, machined, hard anodized aluminum faceplates and doors stand up to public spaces**

Standard Colors



Brushed Aluminum (Consult factory for additional custom colors and finishes.)

Note: Dimensions in parenthesis are millimeters; all other dimensions are inches.

Analog Lighting Control Systems

Manual Series Product Listing



CP Manual Control Panels with Custom Legends

CP MANUAL CONTROL SYSTEM

Leviton's CP Manual Control Panels provide a full range of lighting controls over up to 18 channels of dimmed (via a remote dimming cabinet) and non-dimmed lighting loads. Unlike off-the-shelf devices, each Leviton CP Manual Control Panel is built according to individual customer specifications. This truly custom line of panels offers numerous options including keyed switches, switches for auxiliary contactors, and a locking door. You decide the number and type of slides and buttons and, if desired, also their custom legends. Centralize control of combined rooms by adding Multiple Room Control Panels to your system.

SPECIFICATIONS & FEATURES

CP Panel

- Control up to 18 channels
- All panels with 3 or more slide controls feature a master slider that controls all channels at once
- LED on On/Off button reflects on/off status
- Join/separate functionality in conjunction with a Leviton Multiple Room Control panel and dimmer or dimmer cabinet
- On/Take button captures control where multiple control stations exist
- Optional On/Off and On/Take control key switches
- Optional auxiliary buttons for switching non-dimmed loads (for example, raising and lowering a screen)
- Clean, screwless face with chrome trim bezel
- Custom-engraved legends for button and slide controls (consult factory)
- Options include standard wall-mount with or without locking door and recessed for flush appearance with or without locking door

Multiple Room Control Panels

- Automatic or manual operation
- Join control channels
- All stations can take control
- Any number of channels, rooms or control stations

WARRANTY

- Backed by Limited Two-Year Warranty



CP MANUAL CONTROL & ACCESSORY PANELS

CP Manual Control Panels

Each Leviton CP Manual Control Panel is built to customer specifications, so the catalog number possibilities are endless.

CP	XX (slide controls)	XXX (primary buttons)	XX (finish*)	XXX (auxiliary buttons**)	XX (configuration/other)
Control Panel	No. of slide controls: 1 to 18	SW On/Off button OT On/Take button KSW Keyed on/off KOT Keyed on/take	AL Brushed Aluminum Custom Finishes PB Polished Brass BB Brushed Medium Bronze OW Oyster White BK Brushed Black PR Primer Coat	000 If no Auxiliary buttons are desired AUX signifies auxiliary buttons such as Raise/Lower Screen or Open/Close Curtain	00 Standard panel DO Standard w/ door*** RS Recessed station RD Recessed w/ door*** JS Join/Separate SP Special (custom)

* The finish applies to either the faceplate (when there is no door on the panel) or, if the panel includes a door, the finish selected is for the door—and the faceplate will be brushed aluminum. Additional custom finishes may be special ordered.

** Auxiliary buttons are located to the right of the sliders. Design documents should include details for number and operation of AUX switches.

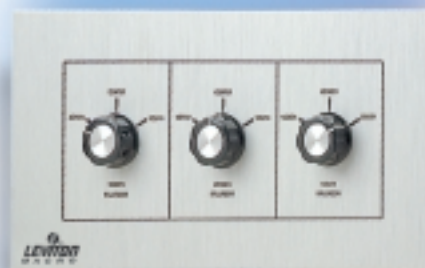
*** Door features a keyed lock.

Multiple Room Control Panels

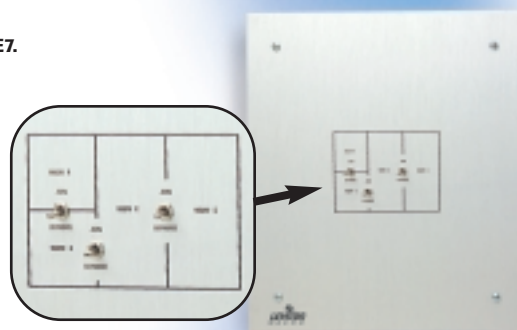
DESCRIPTION	CAT. NO.	COLOR
Multiple Room Control Assignment Panel: features multi-contact rotary switches for assigning control over channel to specific control station. Non-assigned stations become inactive	mrc-as	Brushed Aluminum†
Multiple Room Join/Separate Control Panel: features an illustration of adjoining rooms and has a join/separate switch at every partition location. Custom manufactured with silk-screened illustration to match exact application	mrc-js	Brushed Aluminum†

† Custom finishes may be special ordered.

NOTE: For additional application and technical information, see Pages E6 and E7.



MRC-AS



MRC-JS

Analog Lighting Control Systems

Manual Series Applications & Technical Information



BASIC APPLICATION

Leviton's CP line of manual control panels is a custom series of commercial lighting control panels. CP panels are wired to a dimmer panel or standalone dimmer and can be used to control up to 18 dimming channels as well as non-dimming motor loads. Multiple Room Control Panels can be added to the system, to combine and separate control of lighting in adjoining rooms.

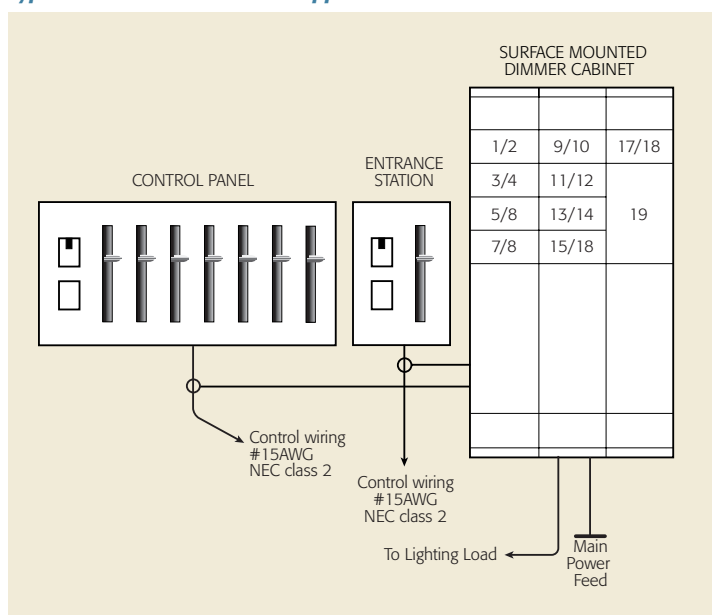
These straightforward lighting control panels, with custom legends for all slides and switches, are a good choice for applications where manual lighting control is preferred. More specifically, consider using these panels:

- Where lighting controls must be so simple that nearly any one can control them with little or no guidance
- In public areas subject to high abuse
- Where there is no need for scene (preset) lighting
- When you want to control high-power loads beyond the capacity of many traditional slide dimmers
- When providing the same control with traditional dimmers might be unsightly

Common CP Applications

- Meeting Spaces
- Conference Rooms
- Houses of Worship
- Schools
- Restaurants

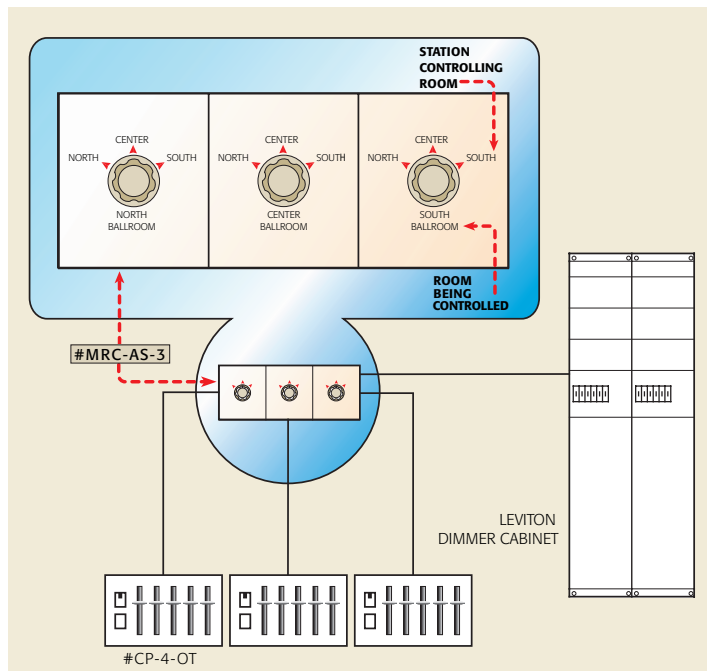
Typical Manual Control Panel Application



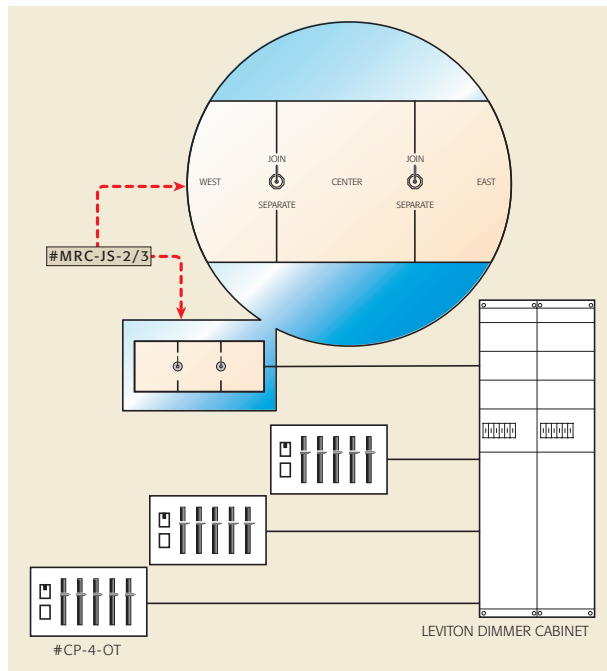
ROOM-COMBINE FUNCTIONALITY

When used in conjunction with room-combine modules and dimmer cabinets, CP manual control panels can take control of the entire combined room. This is ideal for use in large rooms with portable partitions, such as hotel ballrooms and meeting rooms. To accommodate room-combine scenarios, stations must have an On/Take button.

Typical CP Multiple Room Control Assignment Application



Typical CP Multiple Room Control Join/Separate Application



CONTROL WIRING

Control wiring should be #18AWG.

TYPE	NO. WIRES min./suggested
CP-1-SW	4 / 5
CP-1-OT	5 / 6
CP-2-SW	5 / 6
CP-2-OT	6 / 7
CP-3-SW	6 / 7
CP-3-OT	7 / 8
CP-4-SW	7 / 8
CP-4-OT	8 / 9
CP-5-SW	8 / 9
CP-5-OT	9 / 10
CP-6-SW	9 / 10
CP-6-OT	10 / 11

Add one wire for each additional controller over 6 controllers.
Note that we suggest adding a spare wire in all cases.

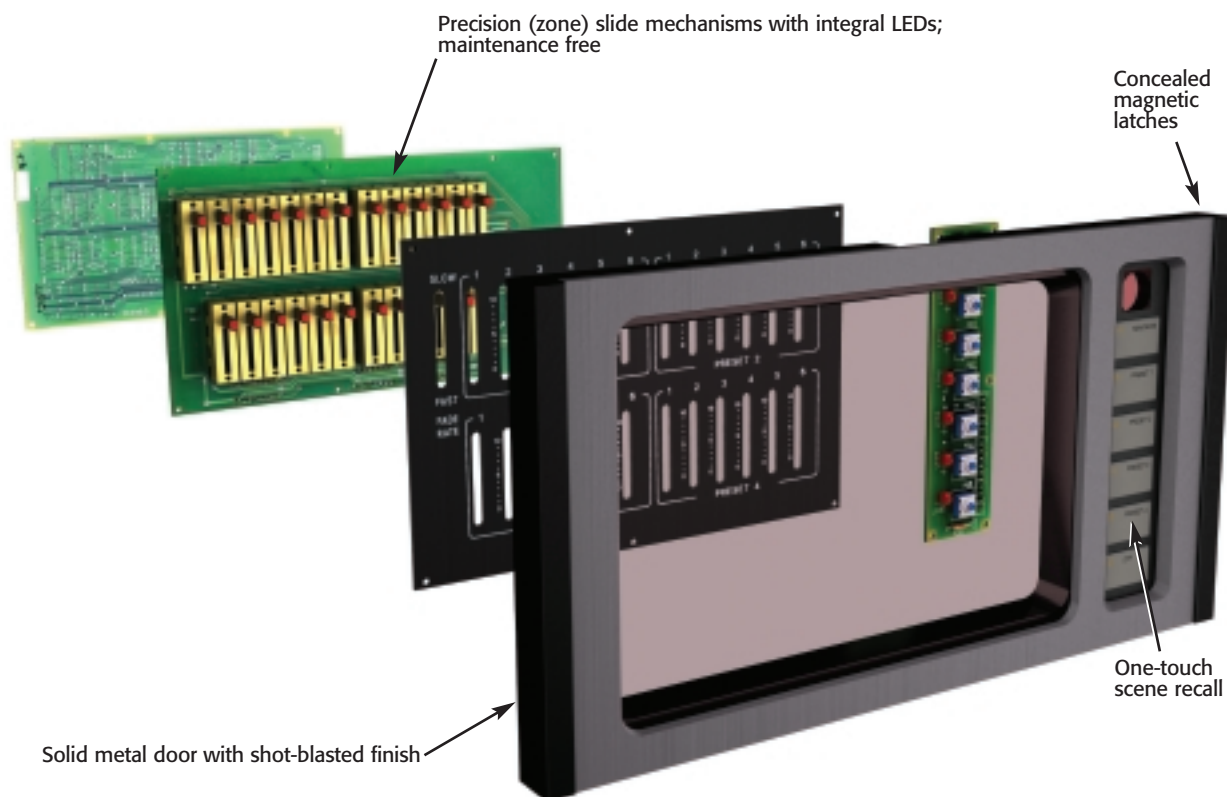
Analog Lighting Control Systems

Designer Series Overview



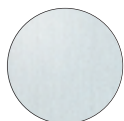
DESIGNER SERIES PRESET REMOTE DIMMER SYSTEMS

Leviton's two designer series dimmer systems, the DPSII and DMS, provide highly flexible dimming and scene control over a wide range of lighting loads. At the heart of both systems is a master control station; the DPSII has a 4-scene, 12-channel capacity and the DMS accommodates 16 scenes and up to 32 channels. The DPSII has several door options, including two locking doors, while the DMS integrates a keyed switch on the face of the panel and is available as a portable consolette.



- Scene buttons and sliders control dimmed and non-dimmed loads
- Individual zone control via sliders eases scene recording and operations
- Adjustable fade rates
- High-abuse, damage-resistant, machined and hard-anodized aluminum faceplates and doors
- IR Receiver for use with handheld remote controller (DMS)
- Remote entry stations for convenient access to specific controls

Standard Colors



Brushed Aluminum

Consult factory for additional custom colors and finishes

Note: Dimensions in parenthesis are millimeters; all other dimensions are inches.

DPSII 4-PRESET MASTER CONTROL STATION

The versatile DPSII Designer Preset Series Master Control Station accommodates a full range of lighting controls, including dimming and scene control, of up to 12 channels of dimmed (via a remote dimming cabinet) and non-dimmed lighting loads. An optional handheld IR remote provides added convenience. Stations come in three door styles—including translucent with view to lighted sliders and solid with keyed lock and cutout for scene/select buttons.

SPECIFICATIONS & FEATURES

- Four scene preset buttons allow you to set and save specific lighting combinations and later recall them with a touch of a button
- Models available to accommodate 2 to 12 channels
- Slide controls feature integral LED indicator that reflects active status
- Adjustable fade rate (1 to 60 seconds)
- Digital microprocessor controlled
- Built-in A/V interface
- Door options include standard door with translucent window and cutout for access to scene buttons and solid keyed-lock door (with or without cutout)



DPSII-M12

WARRANTY

- Backed by Limited Two-Year Warranty



Analog Lighting Control Systems

Designer Series Product Listing



DPSII 4-PRESET MASTER CONTROL STATION

9"-Wide DPSII Master Control Station

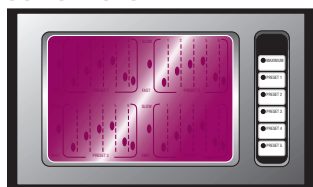
DESCRIPTION	CAT. NO.	NO. SLIDE CONTROLS	COLOR
2-Channel Station with selected door option	dpsII-m02	8	Brushed Aluminum (-AL)*
3-Channel Station with selected door option	dpsII-m03	12	Brushed Aluminum (-AL)*
4-Channel Station with selected door option	dpsII-m04	16	Brushed Aluminum (-AL)*
5-Channel Station with selected door option	dpsII-m05	20	Brushed Aluminum (-AL)*
6-Channel Station with selected door option	dpsII-m06	24	Brushed Aluminum (-AL)*

14"-Wide DPSII Master Control Station

DESCRIPTION	CAT. NO.	NO. SLIDE CONTROLS	COLOR
7-Channel Station with selected door option	dpsII-m07	28	Brushed Aluminum (-AL)*
8-Channel Station with selected door option	dpsII-m08	32	Brushed Aluminum (-AL)*
9-Channel Station with selected door option	dpsII-m09	36	Brushed Aluminum (-AL)*
10-Channel Station with selected door option	dpsII-m10	40	Brushed Aluminum (-AL)*
11-Channel Station with selected door option	dpsII-m11	44	Brushed Aluminum (-AL)*
12-Channel Station with selected door option	dpsII-m12	48	Brushed Aluminum (-AL)*

* Add suffix to basic catalog number for these custom finishes: Polished Brass (-PB), Brushed Medium Bronze (-BB), Oyster White (-OW), Brushed Black (-BK), Primer Coat (-PR). Additional finishes available by custom order.

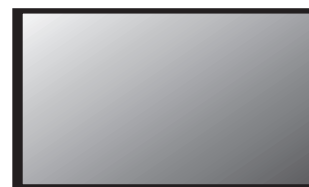
DOOR OPTIONS



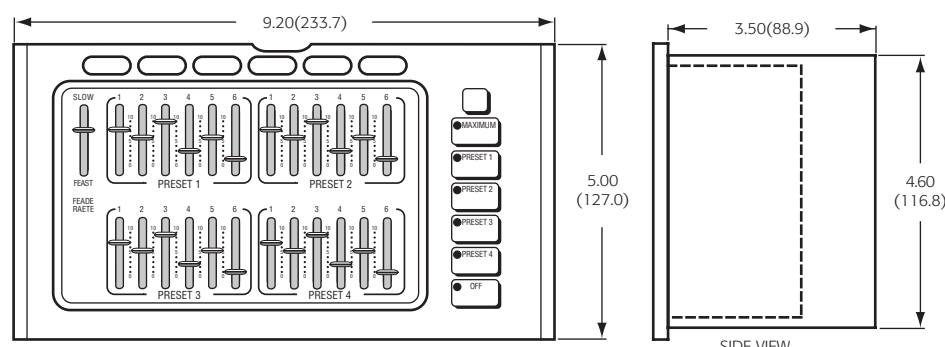
With Translucent Window and cutout (-00)



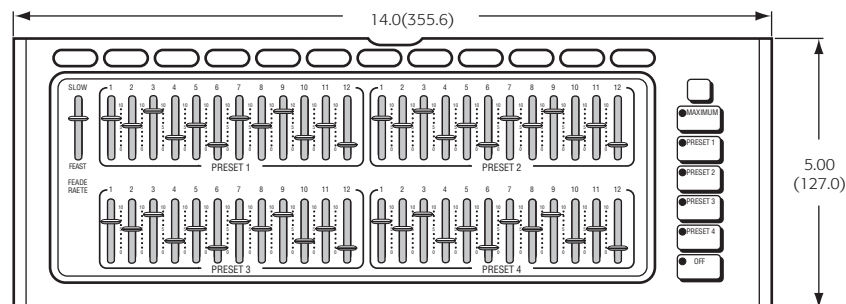
Solid, locking door with cutout (-0L)



Solid, locking door (-HL)



DPSII-M06



DPSII-M12

NOTE: For additional application information, see Page E16.

DPSII REMOTE ENTRY STATIONS & ACCESSORY PANELS

The DPSII system features a number of single-gang wall stations that provide convenient scene selection and lighting control to complement the DPSII master control station.

SPECIFICATIONS & FEATURES

Remote Preset Entry Stations

- Easy access to specific lighting control options
- Screwless wallplate assembly for designer appearance

Multiple Room Control Panels

- Automatic or manual operation
- Join control channels
- All stations can take control
- Any number of channels, rooms or control stations

WARRANTY

- Backed by Limited Two-Year Warranty



PRE-4M

Preset Entry Stations

DESCRIPTION	CAT. NO.	RATING	COLOR
Max brightness and Off buttons	entry	_____	Brushed Aluminum (-AL)*
Preset 1, 2, 3, 4 and Off buttons	pre-4	_____	Brushed Aluminum (-AL)*
Preset 1, 2, 3, 4; Max brightness; and Off buttons	pre-4m	_____	Brushed Aluminum (-AL)*

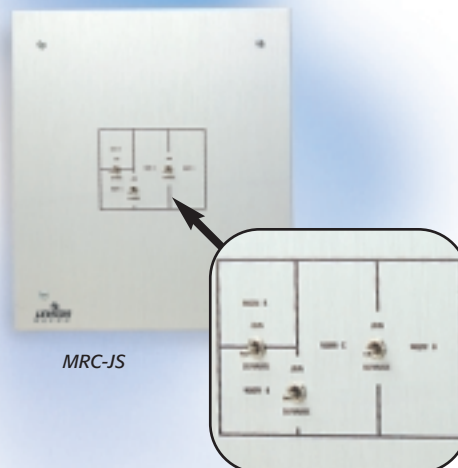
* Add suffix to basic catalog number for these custom finishes: Polished Brass (-PB), Brushed Medium Bronze (-BB), Oyster White (-OW), Brushed Black (-BK), Primer Coat (-PR). Additional finishes available by custom order. Wallplate included.

Multiple Room Control Panels

DESCRIPTION	CAT. NO.	COLOR
Multiple Room Control Assignment Panel: features multi-contact rotary switches for assigning control over channel to specific control station. Non-assigned stations become inactive	mrc-as	Brushed Aluminum**
Multiple Room Join/ Separate Control Panel: features an illustration of adjoining rooms and has a join/separate switch at every partition location. Custom manufactured with silk-screened illustration to match exact application	mrc-js	Brushed Aluminum**



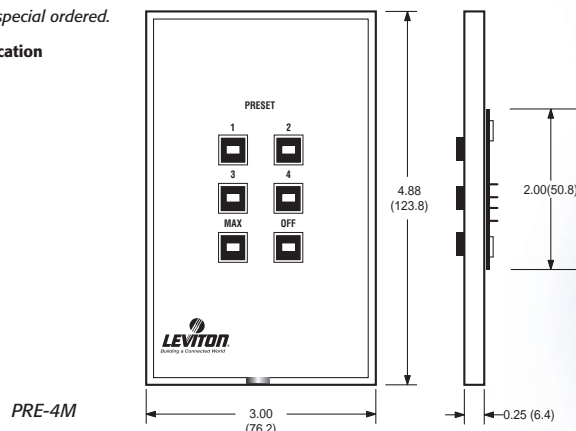
MRC-AS



MRC-JS

** Custom finishes may be special ordered.

NOTE: For additional application information, see Page E16.



Analog Lighting Control Systems

Designer Series Product Listing

DPSII REMOTE CONTROL ACCESSORIES

SPECIFICATIONS & FEATURES

Handheld IR Remote Control

- Features 4-scene presets plus maximum brightness and off
- Operates at 38kHz frequency, Plessey protocol
- 30- to 50-foot range
- Works with Auxiliary Infrared Receivers

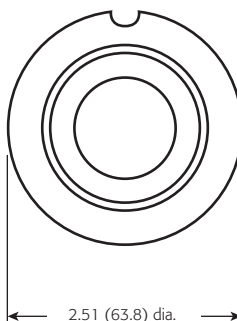
WARRANTY

- Backed by Limited Two-Year Warranty

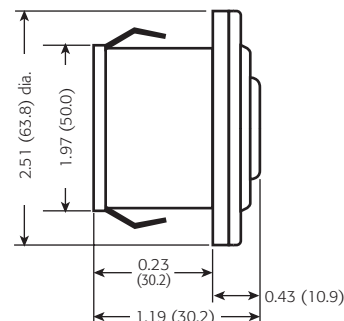


DMSIR-04P

DESCRIPTION	CAT. NO.	COLOR
Handheld Infrared Remote Control	dmsir-04p	Black
Ceiling Mount Infrared Receiver (flush mounts in 2-gang, 3.5-inch-deep backbox)	irrcr-c38	White



IRRCR-C38 IR Receiver



DMS 8/16-PRESET MASTER CONTROL STATION & REMOTE CONTROL

DMS Designer Memory System Master Control Stations provide a full range of lighting controls, including dimming and scene control, over 16 to 32 channels of dimmed (via a remote dimming cabinet) and non-dimmed lighting loads. Each station contains either 8 or 16 scene recall buttons and features a keyed switch for limiting access to the station. An optional handheld IR remote provides added convenience. The DMS comes with either a solid door with a cutout for scene/select buttons and the IR receiver or as a portable consolette.

SPECIFICATIONS & FEATURES

- Available as a consolette or wall-mount panel; Consolette comes with 15-foot cable and connector
- 8 or 16 scene preset buttons allow you to set and save specific lighting combinations and later recall them with a touch of a button
- Accommodates up to 16 or 32 channels (two models available with either 16 or 32 channels)
- Slide controls feature integral LED indicator that reflects active status
- Three-position keyed lock limits access to master station: all features or just the record function
- Adjustable fade rate (0 to 60 seconds)
- Simple record sequence
- A/V interface option

Handheld IR Remote Control

- Features scene presets plus maximum brightness and off
- Operates at 38kHz frequency, Plessey protocol
- 30- to 50-foot range
- Auxiliary Infrared Receivers let you use remote in additional locations

WARRANTY

- Backed by Limited Two-Year Warranty



DMS16-32C-P

DMS16-32C



DMSIR-16P

Analog Lighting Control Systems

Designer Series Product Listing



DMS 8/16-PRESET MASTER CONTROL STATION & REMOTE CONTROL

~11"-Wide DMS Master Control Station

DESCRIPTION	CAT. NO.	NO. SLIDE CONTROLS	COLOR
16-Channel Station with 8 Preset Buttons	dms08-16c-0	16	Brushed Aluminum (-AL)*
16-Channel Station in Portable Console with 8 Preset Buttons	dms08-16c-p	16	Brushed Aluminum (-AL)*
16-Channel Station with 16 Preset Buttons	dms16-16c-0	16	Brushed Aluminum (-AL)*
16-Channel Station in Portable Console with 16 Preset Buttons	dms16-16c-p	16	Brushed Aluminum (-AL)*

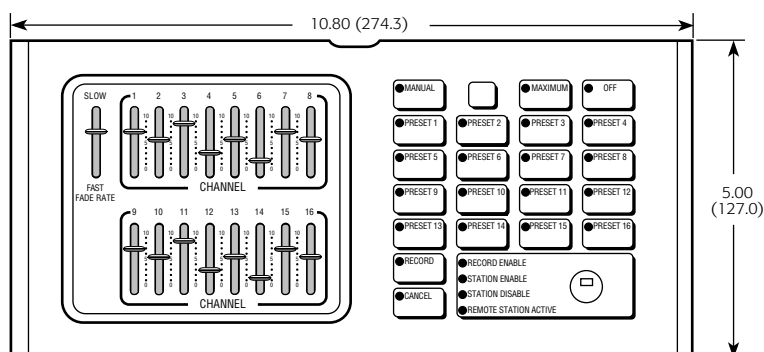
14"-Wide DMS Master Control Station

DESCRIPTION	CAT. NO.	NO. SLIDE CONTROLS	COLOR
32-Channel Station with 8 Preset Buttons	dms08-32c-0	32	Brushed Aluminum (-AL)*
32-Channel Station in Portable Console with 8 Preset Buttons	dms08-32c-p	32	Brushed Aluminum (-AL)*
32-Channel Station with 16 Preset Buttons	dms16-32c-0	32	Brushed Aluminum (-AL)*
32-Channel Station in Portable Console with 16 Preset Buttons	dms16-32c-p	32	Brushed Aluminum (-AL)*

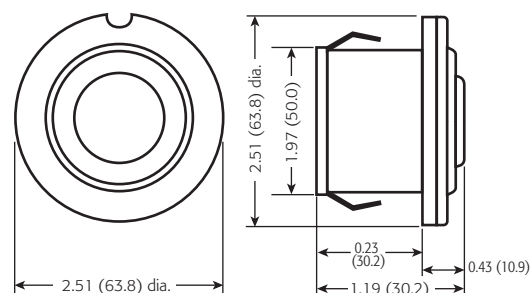
* Add suffix to basic catalog number for these custom finishes: Polished Brass (-PB), Brushed Medium Bronze (-BB), Oyster White (-OW), Brushed Black (-BK), Primer Coat (-PR). Additional finishes available by custom order.

Remote Control Accessories

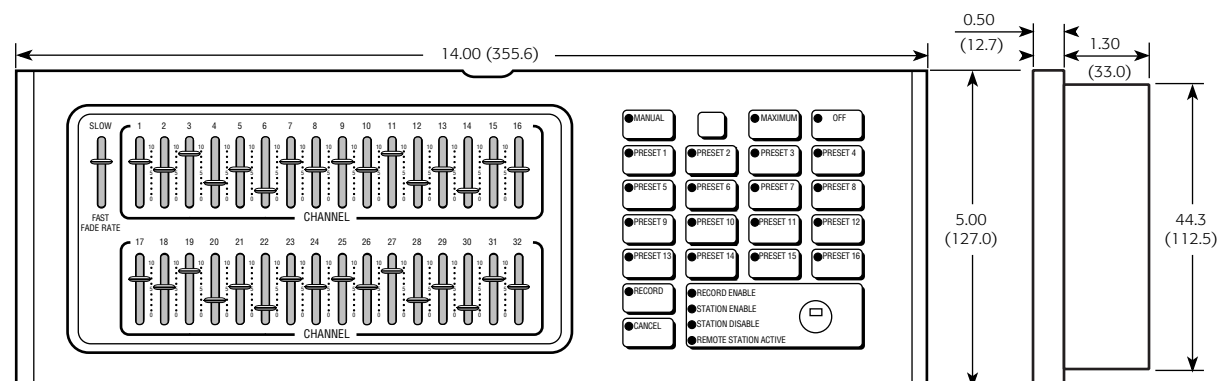
DESCRIPTION	CAT. NO.	COLOR
4-Scene Handheld Infrared Remote Control	dmsir-04p	Black
8-Scene Handheld Infrared Remote Control	dmsir-08p	Black
16-Scene Handheld Infrared Remote Control	dmsir-16p	Black
Ceiling Mount Infrared Receiver (flush mounts in 2-gang, 3.5-inch-deep backbox)	irrcr-c38	White



16-Channel DMS Station



IRRCR-C38 IR Receiver



32-Channel DMS Station

NOTE: For additional application information, see Pages E16 & E17.

DMS 8/16-PRESET ACCESSORY STATIONS

SPECIFICATIONS & FEATURES

Remote Stations

- Screwless wallplate assembly for designer appearance
- Custom colors are available

Multiple Room Control Panels

- Automatic or manual operation
- Join control channels
- All stations can take control
- Any number of channels, rooms or control stations

WARRANTY

- Backed by Limited Two-Year Warranty

Preset Remote Stations

DESCRIPTION	CAT. NO.	COLOR
Wall Jack	mac-205-12	Brushed Aluminum (-AL)*
Preset 1 and Off buttons (PRE-1D)	mac-205-13	Brushed Aluminum (-AL)*
Preset 1, Max and Off buttons (PRE-1MD)	mac-205-14	Brushed Aluminum (-AL)*
Max and Off buttons (PRE-MD)	mac-205-15	Brushed Aluminum (-AL)*
Preset 1-8, Max and Off buttons (PRE-8MD)	mac-205-16	Brushed Aluminum (-AL)*

MAC-205-16

* Add suffix to basic catalog number for these custom finishes: Polished Brass (-PB), Brushed Medium Bronze (-BB), Oyster White (-OW), Brushed Black (-BK), Primer Coat (-PR). Additional finishes available by custom order. Wallplate included.

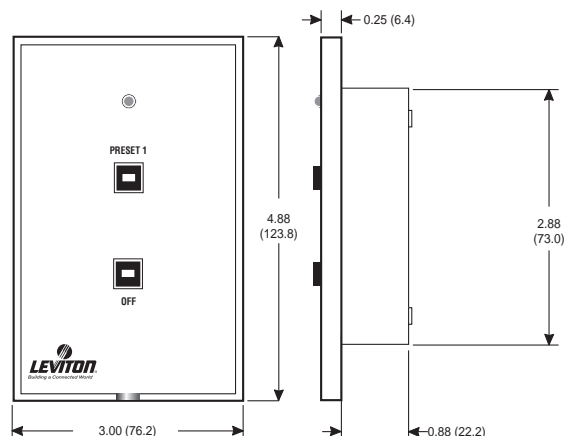
Multiple Room Control Panels

DESCRIPTION	CAT. NO.	COLOR
Multiple Room Control Assignment Panel: features multi-contact rotary switches for assigning control over channel to specific control station. Non-assigned stations become inactive	mrc-as	Brushed Aluminum**
Multiple Room Join/Separate Control Panel: features an illustration of adjoining rooms and has a join/separate switch at every partition location. Custom manufactured with silk-screened illustration to match exact application	mrc-js	Brushed Aluminum**

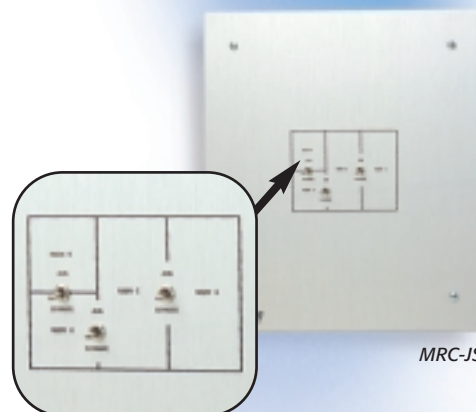
**Custom finishes may be special ordered.



MRC-AS



MAC-205-13



MRC-JS

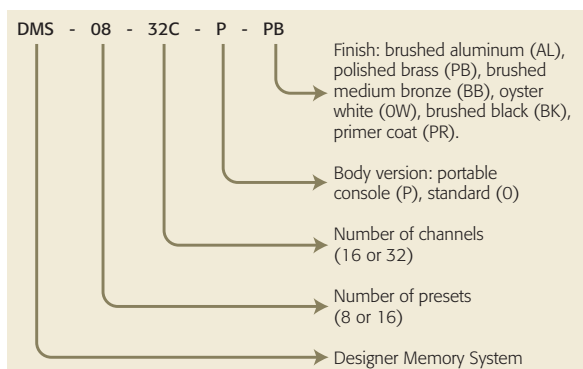
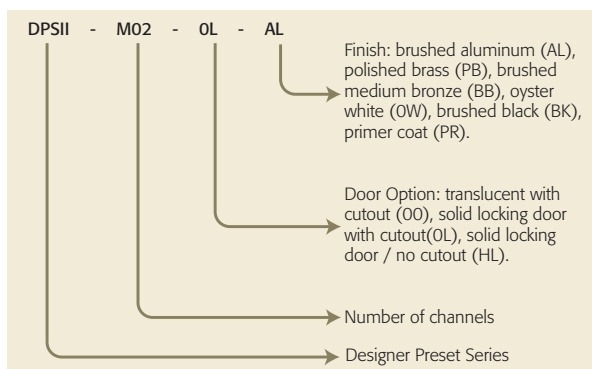
NOTE: For additional application information, see Pages E16 & E17.

Analog Lighting Control Systems

Designer Series Applications & Technical Information



CATALOG NUMBERING SYSTEMS



BASIC APPLICATION

Leviton's Designer Series provides full range control of commercial lighting in a highly customizable system. Both DPSII and DMS master stations are wired to a dimmer panel or standalone dimmer, and can be used to control dimming channels as well as non-dimming motor loads.

DPSII SYSTEM

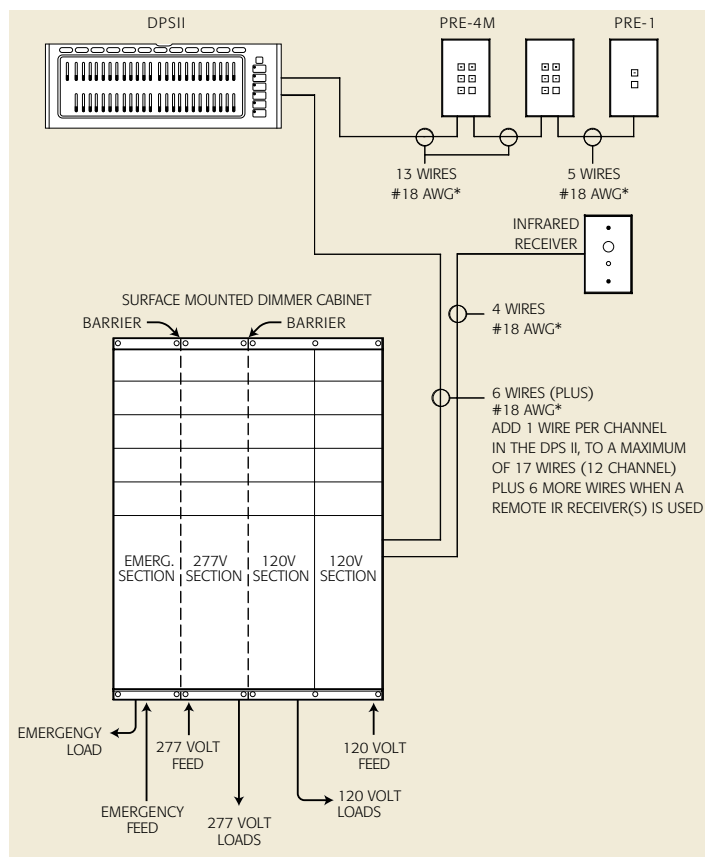
Consider using a DPSII system:

- Where the ability to save preset scenes and later recall them is required
- When you want a system with a selection of compatible, matching wall stations
- In public areas subject to high abuse
- In spaces used for audio/visual presentations
- When you need to control lighting on no more than 12 channels
- When a solid door with a lock is desirable to protect the unit from damage and prevent unwanted access
- When you want to use a handheld IR remote controller to access scenes and control lights

Common DPSII Applications

- Restaurants
- Houses of Worship
- Hotel Ballrooms
- Conference Rooms

Typical DPSII System Application



DMS SYSTEM

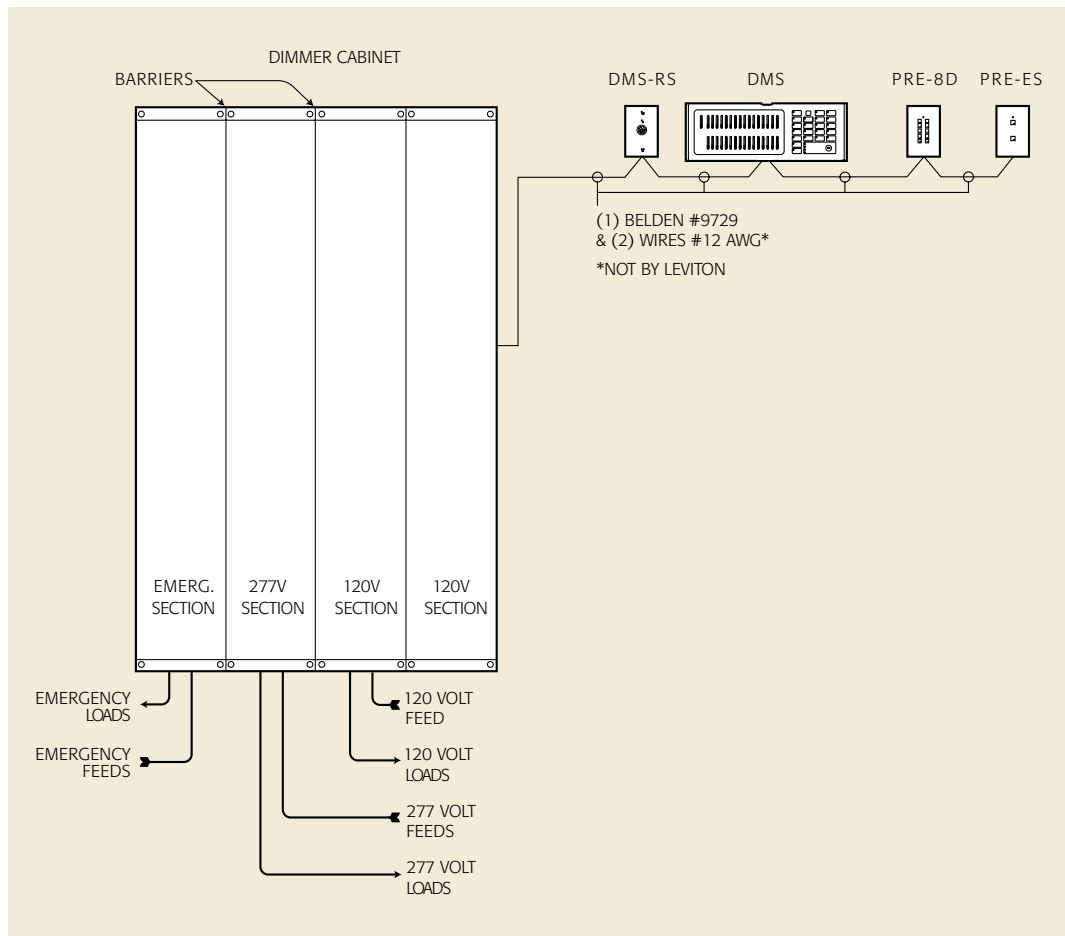
Consider using a DMS system when you need even more channels or presets than is available with the DPSII and:

- Where the ability to save up to 16 preset scenes and later recall them is required
- When you need to control lighting on up to 32 channels
- In public areas that are subject to high abuse
- In spaces used for audio/visual presentations
- When you want to prevent unwanted access to controls via a keyed switch
- When you want to use a handheld remote controller to access scenes and control lights
- If a portable station is required

Common DMS Applications

- Convention Facilities
- Restaurants
- Houses of Worship
- Hotel Ballrooms
- Conference Rooms

Typical DMS System Application





Power Dimming Cabinets

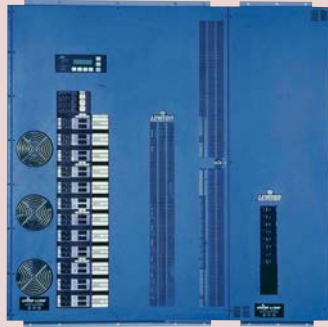
F

SECTION



Leviton offers powerful dimming cabinets in a number of configurations. The a-2000 line features compact, wall-mounted cabinets; Leviton's Modular Dimming System (MDS) offers customized racks in a variety of sizes that can be combined to create job-specific systems; and the i Series condenses a large number of dimming circuits in a highly compact footprint for unparalleled, theatrical-grade performance.

a-2000® Dimming Cabinets



Performance grade dimming in 12- and 24-channel 120V and 18-channel 277V cabinets for a broad range of applications. Stackable, modular, lots of wiring space. Optional relay cabinets. Bussing and flush-mount kits available.

PAGE F2

i Series Dimming Racks



This broad line of Leviton dimming racks accommodates from 24 to 96 dimmers. Includes full-featured i Series racks with extensive reporting in 3 configurations, i Series e with scaled-down reporting in the same 3 configurations, and i Series Quad which packs twice the dimmers in an i24 cabinet and the same, basic functionality as the i Series e line.

PAGE F15

For additional information on our full line of theatrical systems, refer to Section G.



PAGE F11

Load Icon Legend

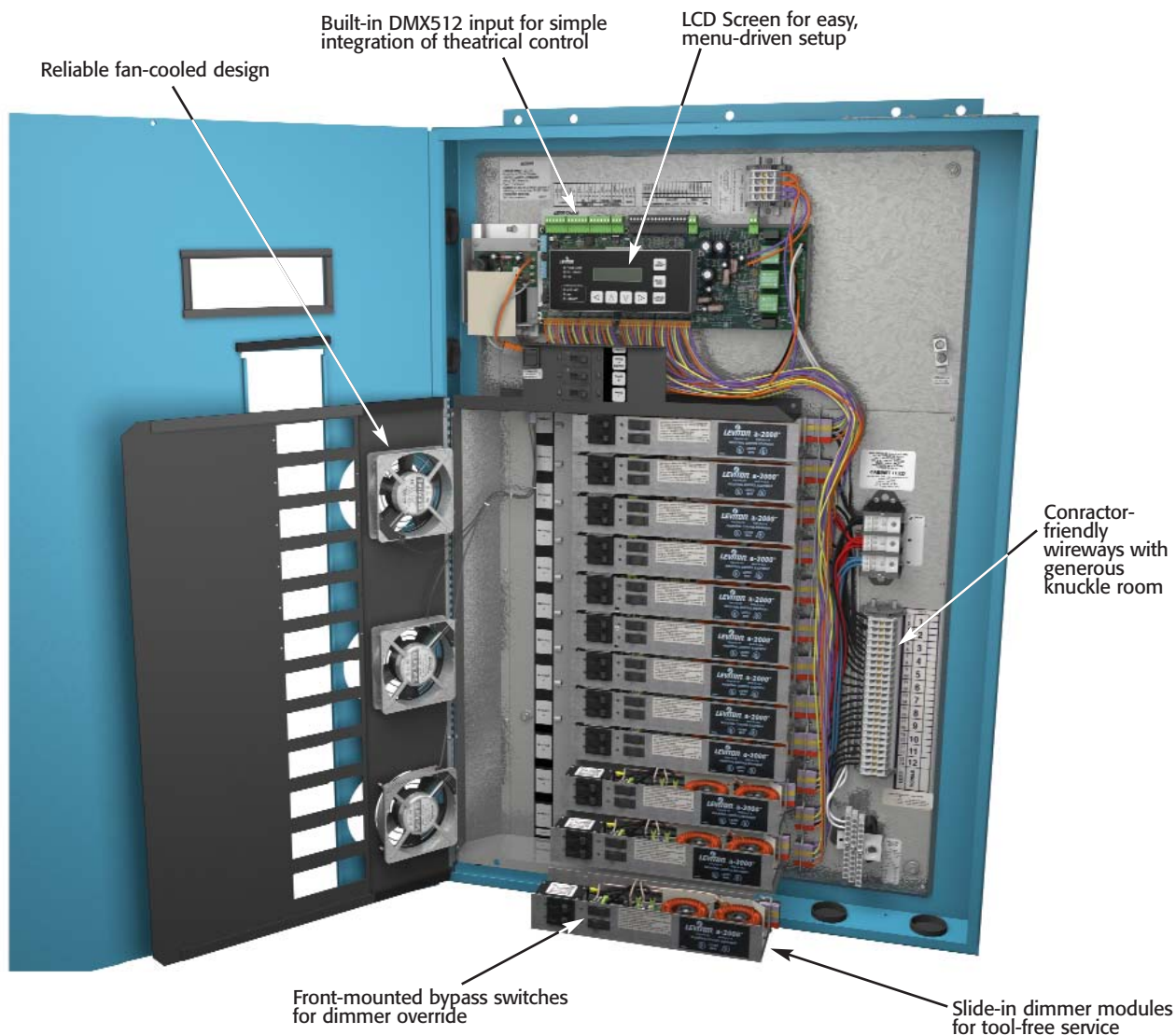
	Incandescent		High Intensity Discharge
	Fluorescent		Neon Cold Cathode
	Magnetic Low Voltage		Fan Speed Control
	Electronic Low Voltage		Motor Load

Power Dimming Cabinets

a-2000 Overview

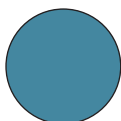


a-2000® DIMMING CABINET



- Available in 12- and 24-channel 120V and 18-channel 277V versions
- Bussing kits allow certain cabinets to be stacked
- Plug-in dimmer modules ease field replacement and expandability
- Optional Relay Cabinets for 24-channel a-2000
- For flush or recess wall mounting
- Compatible with Leviton D4200, D8000 and DMX512 controls
- Many configurations ship within 7 days via ASAP program (see Application section for more information)

Available Colors



a-2000® DIMMING CABINETS

The a-2000 series of modular dimming cabinets delivers robust precision control typically found only in high-end theatrical dimming systems. Available in 120V and 277V versions, a-2000 cabinets are stackable to accommodate up to 48 dimmer channels with one power feed. Leviton relay cabinets may be attached.

SPECIFICATIONS & FEATURES

Operations

- Onboard menu-driven LCD screen streamlines setup
- Plug-in dual dimmer modules are hot swappable for rapid field replacement
- Software automatically detects dimmer module type
- Stackable to provide 36 or 48 dimmer channels
- Dims virtually all fluorescent loads
- Compatible with Leviton D4200, D8000, and DMX512 controls
- Optional analog card for use with analog control stations and daylight harvesting

Performance

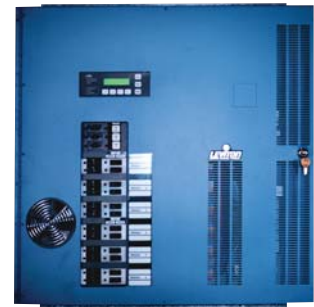
- Voltage regulation compensates for incoming line voltage variations
- Theatrical-grade dual SCR dimming circuits outperform standard triac-based dimmers
- Operates at 97% efficiency
- Toroidal filter with 350 μ sec rise time
- Built-in bypass switches or shunts allow cabinet to be used for work lights during construction

Physical

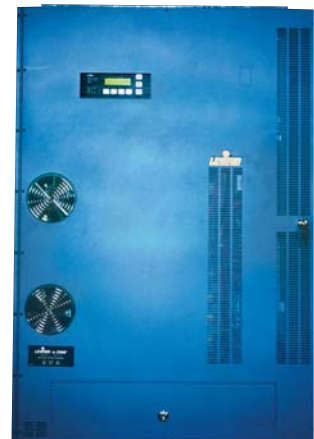
- Contractor-friendly design with plentiful wiring space
- Wires can be top, bottom or side fed
- 4-inch depth allows for surface- or recess-mounting
- Optional kits for flush mounting or bussing are available
- Compact 30 1/8-inch cabinet width fits between two stud widths
- Architectural finish suitable for mounting in public areas

TESTING & CODE COMPLIANCE

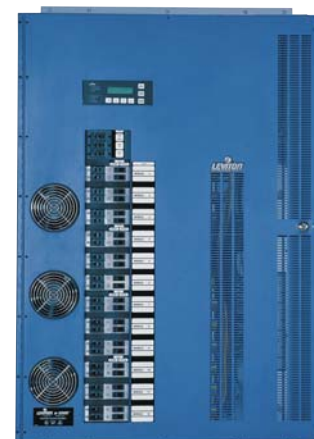
- Factory Assembled and Tested
- UL and cUL Listed
- Backed by a Limited Two-Year Warranty



12-Channel, 120V a-2000



18-Channel, 277V a-2000



24-Channel, 120V a-2000



Power Dimming Cabinets

a-2000 Product Listing



a-2000® DIMMING CABINETS & MODULES

12-Channel, 120V Cabinet

With main lugs only. Add breaker option to convert to main breaker.

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-Phase a-2000 Cabinet	a2d1l-2a0	2400W per channel. Individual dimmers rated 15A or 20A. For incandescent, magnetic low voltage, tungsten, halogen, and cold cathode. Compatible fluorescent dimming ballasts: 0-10VDC Advance Mark 7™, OSRAM Sylvania Quicktronic® Helios™ and Triad® Ballastar®; 2-wire types such as Advance Mark 10™; and 3 wire Lutron Hi-Lume® and Eco-10	Blue
Single-Phase a-2000 Cabinet with optional analog card	a2b1l-2a0	Same As Above	Blue
3-Phase a-2000 Cabinet	a2d3l-2a0	Same As Above	Blue
3-Phase a-2000 Cabinet with optional analog card	a2b3l-2a0	Same As Above	Blue

24-Channel, 120V Cabinet

DESCRIPTION	CAT. NO.	RATING	COLOR
Single-Phase a-2000 Cabinet with main lugs only	a2d1l-4a0	2400W per channel. Individual dimmers rated 15A or 20A. For incandescent, magnetic low voltage, tungsten, halogen, and cold cathode. Compatible fluorescent dimming ballasts: 0-10VDC Advance Mark 7™, OSRAM Sylvania Quicktronic® Helios™ and Triad® Ballastar®; 2-wire types such as Advance Mark 10™; and 3 wire Lutron Hi-Lume® and Eco-10	Blue
Single-Phase a-2000 Cabinet with main lugs only and optional analog card	a2b1l-4a0	Same As Above	Blue
Single-Phase a-2000 Cabinet with main breaker set-up	a2d1b-4a0	Same As Above	Blue
Single-Phase a-2000 Cabinet with main breaker set-up and optional analog card	a2b1b-4a0	Same As Above	Blue
3-Phase a-2000 Cabinet with main lugs only	a2d3l-4a0	Same As Above	Blue
3-Phase a-2000 Cabinet with main lugs only and optional analog card	a2b3l-4a0	Same As Above	Blue
3-Phase a-2000 Cabinet with main breaker set-up	a2d3b-4a0	Same As Above	Blue
3-Phase a-2000 Cabinet with main breaker set-up and optional analog card	a2b3b-4a0	Same As Above	Blue

Note: For additional application and technical information, see pages F7 through F10.



18-Channel, 277V Cabinet

With main lugs only. Add breaker option to convert to main breaker.

DESCRIPTION	CAT. NO.	RATING	COLOR
3-Phase, 15A breakers	a2d3l-857	2400W per channel. Individual dimmers rated 15A or 20A. For incandescent, magnetic low voltage, tungsten, halogen, and cold cathode. Compatible fluorescent dimming ballasts: 0-10VDC Advance Mark 7™, OSRAM Sylvania Quicktronic® Helios™ and Triad® Ballastar®; 2-wire types such as Advance Mark 10™; and 3 wire Lutron Hi-Lume® and Eco-10	Blue
3-Phase with optional analog card and 15A breakers	a2b3l-857	Same As Above	Blue
3-Phase with 20A breakers	a2d3l-8a7	Same As Above	Blue
3-Phase with optional analog card and 20A breakers	a2b3l-8a7	Same As Above	Blue

DIMENSIONS

12-Channel: 30.13" (76.5cm) x 29.88" (75.7cm) x 4.88" (12.4cm)

18/24-Channel: 30.13" (76.5cm) x 43.00" (109.0cm) x 4.13" (10.5cm)

120V a-2000 Dimming Modules

DESCRIPTION	CAT. NO.
15A, 120V Dual Dimmer	a15dd-012
20A, 120V Dual Dimmer	a20dd-012
15A, 120V Dual Constant Module	a15dc-012
20A, 120V Dual Constant Module	a20dc-012
15A, 120V Single High Rise Time	a15hd-012
20A, 120V Single High Rise Time	a20hd-012
15A, 120V Hi-Lume Module	a15hl-012
20A, 120V Hi-Lume Module	a20hl-012

277V a-2000 Dimming Modules

DESCRIPTION	CAT. NO.
277V Dual Dimmer	a20dd-027
277V Single High Rise Time	a20hd-027
277V Hi-Lume Module	a20hl-027
277V Bypass/Constant Shunt	a2277-bps

Note: For additional application and technical information, see pages F7 through F10.



Power Dimming Cabinets

a-2000 Product Listing



a-2000 RELAY CABINETS & ACCESSORY KITS

The a-2000 series also includes relay cabinets, bussing kits, and kits for flush mounting. a-2000 relay cabinets come bolted directly to an a-2000 dimming cabinet to form a single, compact unit. As many as 12 relays provide straight relay control of fluorescent and non-fluorescent loads. Bussing kits may be factory- or field-installed.

SPECIFICATIONS & FEATURES

Relay Cabinet

- Extends a-2000-24 control to 277V and 347V fluorescent dimmable ballasts using 0-10VDC control signals
- Optional 20A branch circuit breakers are available—Come with main lugs
- Approved and tested to handle the high inrush current of today's electronic fluorescent ballasts
- 347V breakers available for use in Canada
- Generous wiring space and conduit knockouts for easy installation
- Relays are individually removeable for improved serviceability

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by Limited Two-Year Warranty

Relay Cabinets attached to a-2000-24 Dimming Cabinet

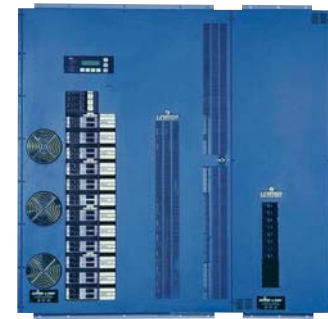
DESCRIPTION	CAT. NO.	RATING
2 Relays, 0 Breakers	a2rmv-200	120V, 277V or 347V
4 Relays, 0 Breakers	a2rmv-400	120V, 277V or 347V
6 Relays, 0 Breakers	a2rmv-600	120V, 277V or 347V
8 Relays, 0 Breakers	a2rmv-800	120V, 277V or 347V
12 Relays, 0 Breakers	a2rmv-101	120V, 277V or 347V
2 Relays, 2 Breakers	a2r12-220	120V
4 Relays, 4 Breakers	a2r12-440	120V
6 Relays, 6 Breakers	a2r12-660	120V
8 Relays, 8 Breakers	a2r12-880	120V
2 Relays, 2 Breakers at 277V	a2r27-220	277V
4 Relays, 4 Breakers at 277V	a2r27-440	277V
6 Relays, 6 Breakers at 277V	a2r27-660	277V
8 Relays, 8 Breakers at 277V	a2r27-880	277V
2 Relays, 2 Breakers at 347V	a2r34-220	277V
4 Relays, 4 Breakers at 347V	a2r34-440	277V
6 Relays, 6 Breakers at 347V	a2r34-660	277V
8 Relays, 8 Breakers at 347V	a2r34-880	277V
Flush Mount Kit for single dimming/relay cabinet combo	a2k24-r10	—
Flush Mount Kit for dual dimming/relay cabinet combo	a2k24-r20	—

Bussing Kits

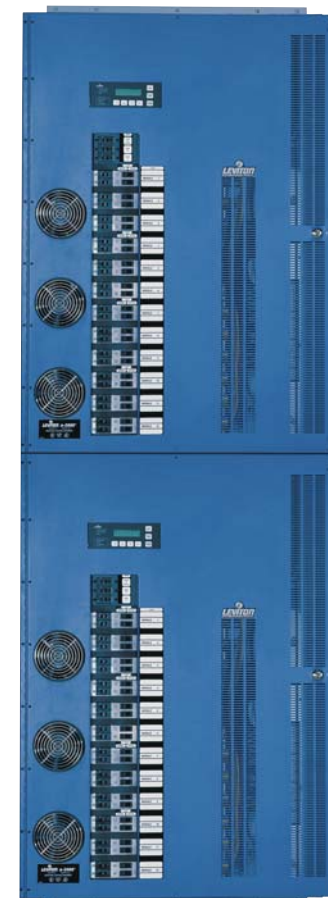
DESCRIPTION	CAT. NO.
Field Kit for bussing 2 24-channel cabinets	a2k24-kit
Factory Kit for bussing 2 24-channel cabinets	a2k24-pbo
Factory Kit for bussing a 12- to a 24-channel cabinet, 1 phase	a2k12-pb1
Factory Kit for bussing a 12- to a 24-channel cabinet, 3 phase	a2k12-pb3

Flush Kits

DESCRIPTION	CAT. NO.
12-Channel Single-Cabinet Flush Kit	a2k12-t10
12 + 24-Channel Dual-Cabinet Flush Kit	a2k24-t30
18/24-Channel Single-Cabinet Flush Kit	a2000-t10
18/24-Channel Dual-Cabinet Flush Kit	a2000-t20

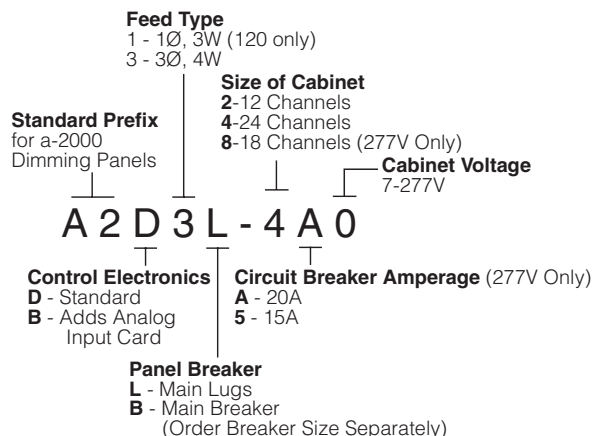


24-Channel a-2000 with Relay Cabinet



Dual 24-Channel a-2000 (with installed bussing kit)

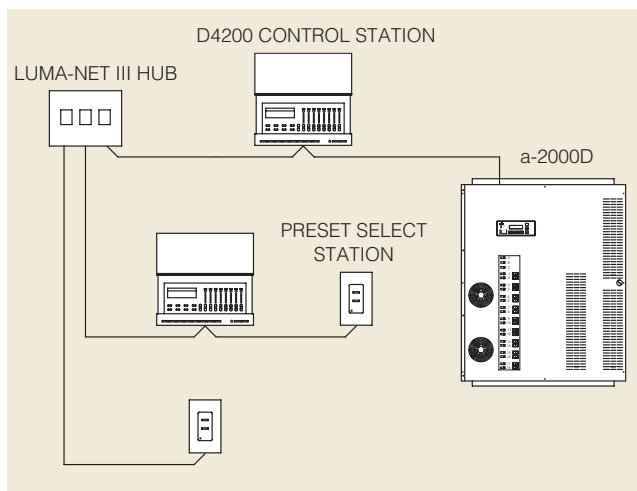
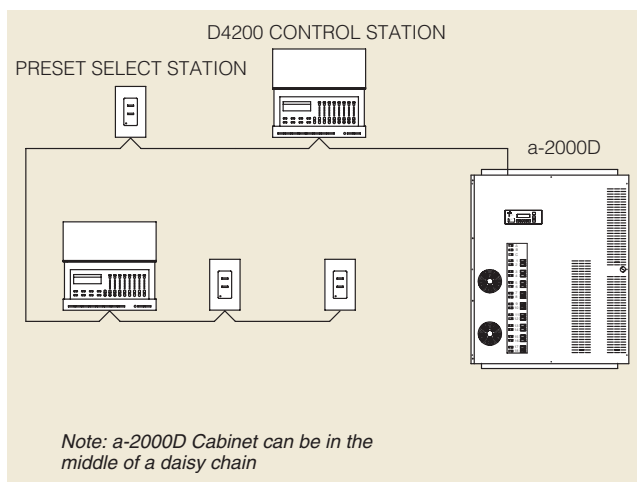
CATALOG NUMBERING SYSTEM



BASIC APPLICATION

The a-2000® combines theatrical grade performance with the ability to dim a wide variety of architectural load types. It is an ideal solution for multipurpose spaces as well as those requiring a single dimming source for a broad range of loads.

Typical a-2000 Applications



Consider an a-2000 cabinet:

- To control a number of different load types
- When you need cabinet quickly (see ASAP! Program)
- When cost is a major factor
- In public-use areas

Common a-2000 Applications

- Hospitality
- School Cafeteriums
- Banquet Halls
- Multipurpose Rooms
- Houses of Worship

ASAP PROGRAM

Receive expedited delivery on hundreds of a-2000 (and D4200) configurations through the Leviton ASAP! Program. Leviton offers a seven-working-day turnaround when you order one of these systems through a Leviton Lighting Control Agent.

The ASAP! Program includes:

- Fast system quotations from the Leviton Lighting Control Agent
- Pre-drawn system drawings (eliminating submittal drawing time)
- System shipment within 7 working days of order confirmation from factory

Power Dimming Cabinets

a-2000 Technical Information



FEED CAPACITY

12-Channel Cabinet (120/240V, 120/208V)

FEED TYPE	PANEL FEED	MAXIMUM FEED	WIRE SIZE
1Ø, 3W	Main Lugs Only	125 A	#14 to 2/0 AWG
	30A Main Breaker	Rating by Breaker Size	#14 to #2 AWG
	50A Main Breaker	"	#14 to #2 AWG
	60A Main Breaker	"	#14 to #2 AWG
	70A Main Breaker	"	#12 to 2/0 AWG
	80A Main Breaker	"	#12 to 2/0 AWG
	100A Main Breaker	"	#12 to 2/0 AWG
	125A Main Breaker	"	#4 to 250kcmil
3Ø, 4W	Main Lugs Only	80A	#14 to 2/0 AWG
	30A Main Breaker	Rating by Breaker Size	#14 to #2 AWG
	50A Main Breaker	"	#14 to #2 AWG
	60A Main Breaker	"	#14 to #2 AWG
	70A Main Breaker	"	#12 to 2/0 AWG
	80A Main Breaker	"	#12 to 2/0 AWG
	100A Main Breaker	"	#12 to 2/0 AWG
	125A Main Breaker	"	#12 to 2/0 AWG

18-Channel Cabinet (277/480V)

FEED TYPE	PANEL FEED	MAXIMUM FEED	WIRE SIZE
3Ø, 4W	Main Lugs Only	125A	#14 to 2/0 AWG
	30A Main Breaker	Rating By Breaker Size	#14 to #1 AWG
	50A Main Breaker	"	#14 to #1 AWG
	60A Main Breaker	"	#14 to #1 AWG
	70A Main Breaker	"	#14 to #1 AWG
	80A Main Breaker	"	#14 to #1 AWG
	100A Main Breaker	"	#14 to #1 AWG
	125A Main Breaker	"	#14 to #1 AWG

24-Channel Cabinet (120/240V, 120/208V)

FEED TYPE	PANEL FEED	MAXIMUM FEED	WIRE SIZE
1Ø, 3W	Main Lugs Only	250A	250kcmil to #6
	30A Main Breaker	Rating by Breaker Size	# 14 to #2 AWG
	40A Main Breaker	"	# 14 to #2 AWG
	50A Main Breaker	"	# 14 to #2 AWG
	60A Main Breaker	"	# 14 to #2 AWG
	70A Main Breaker	"	# 12 to 2/0 AWG
	80A Main Breaker	"	# 12 to 2/0 AWG
	90A Main Breaker	"	# 12 to 2/0 AWG
	100A Main Breaker	"	# 12 to 2/0 AWG
	110A Main Breaker	"	#4 to 250kcmil
	125A Main Breaker	"	#4 to 250kcmil
	150A Main Breaker	"	#4 to 250kcmil
	175A Main Breaker	"	#4 to 250kcmil
	200A Main Breaker	"	#4 to 250kcmil
3Ø, 4W	Main Lugs Only	175A	250kcmil to #6
	30A Main Breaker	Rating by Breaker Size	# 14 to #2 AWG
	40A Main Breaker	"	# 14 to #2 AWG
	50A Main Breaker	"	# 14 to #2 AWG
	60A Main Breaker	"	# 14 to #2 AWG
	70A Main Breaker	"	# 12 to 2/0 AWG
	80A Main Breaker	"	# 12 to 2/0 AWG
	90A Main Breaker	"	# 12 to 2/0 AWG
	100A Main Breaker	"	# 12 to 2/0 AWG
	110A Main Breaker	"	#4 to 250kcmil
	150A Main Breaker	"	#4 to 250kcmil
	175A Main Breaker	"	#4 to 250kcmil
	200A Main Breaker	"	#4 to 250kcmil
	1Ø, 3W	Main Lugs Only	500A
3Ø, 4W	Main Lugs Only	350A	2x250kcmil to #6

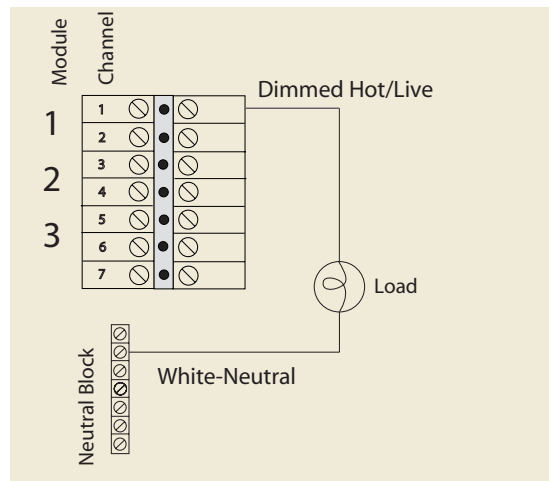
Combined 24+12-Channel Cabinets (120/240V, 120/208V)

FEED TYPE	PANEL FEED	MAXIMUM FEED	WIRE SIZE
1Ø, 3W	Main Lugs Only	250 A	#4–250kcmil
	175A Main Breaker	Rating by Breaker Size	#4–250kcmil
	200A Main Breaker	"	#4–250kcmil
	225A Main Breaker	"	#4–250kcmil
3Ø, 4W	Main Lugs Only	240A	#6–250kcmil
	150A Main Breaker	Rating by Breaker Size	#4–250kcmil
	175A Main Breaker	"	#4–250kcmil
	200A Main Breaker	"	#4–250kcmil
	225A Main Breaker	"	#4–250kcmil

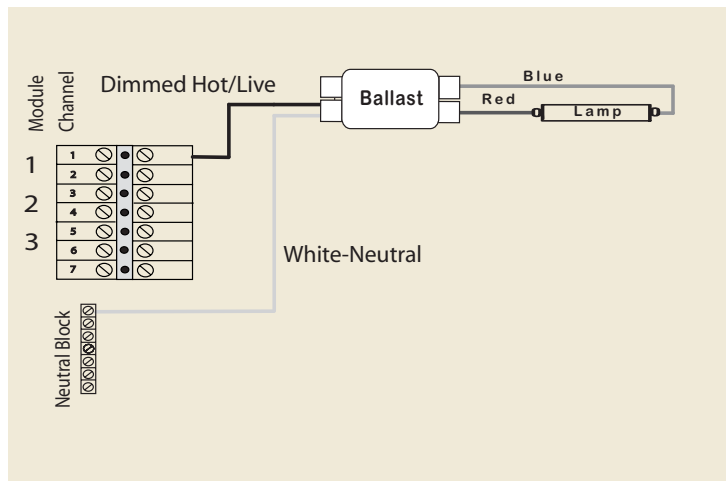
WIRING

LOAD CONNECTIONS

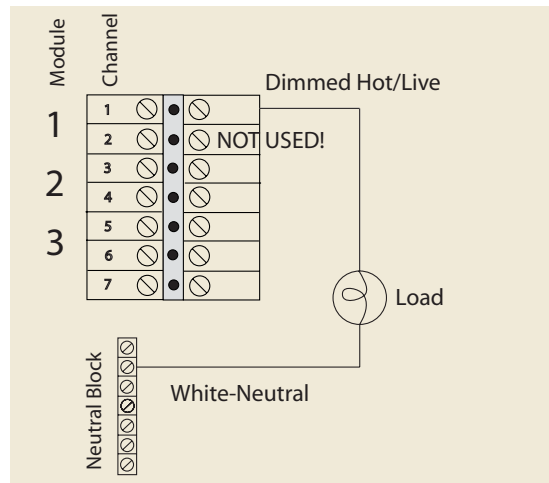
Incandescent



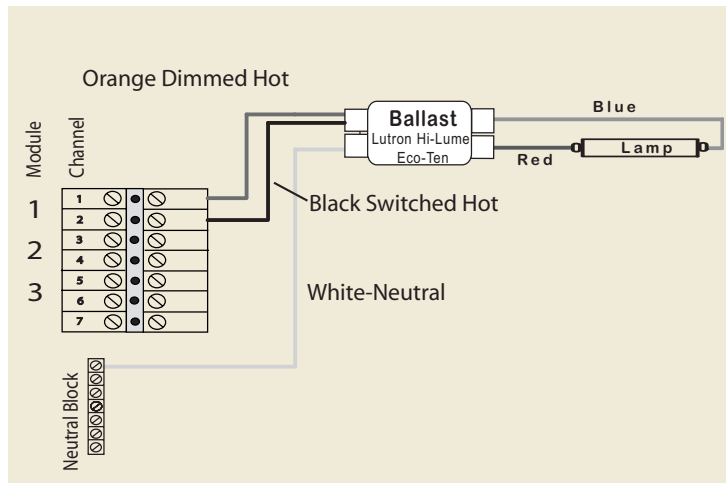
Advance Mark 10, Lutron TU-Wire



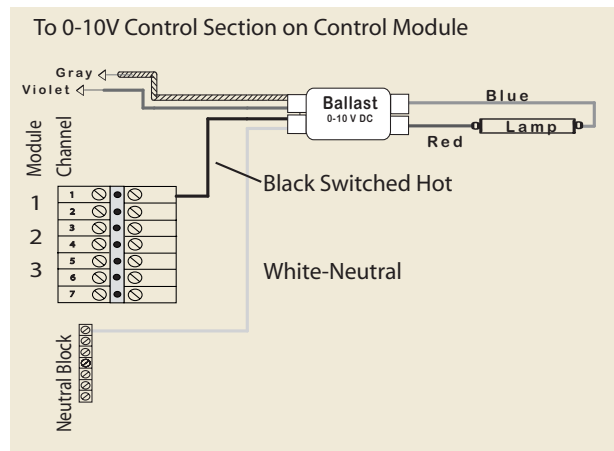
Hi-rise Time Dimmer



Lutron Hi-Lume



0-10VDC Fluorescent



Consult original ballast wiring diagram.

Power Dimming Cabinets

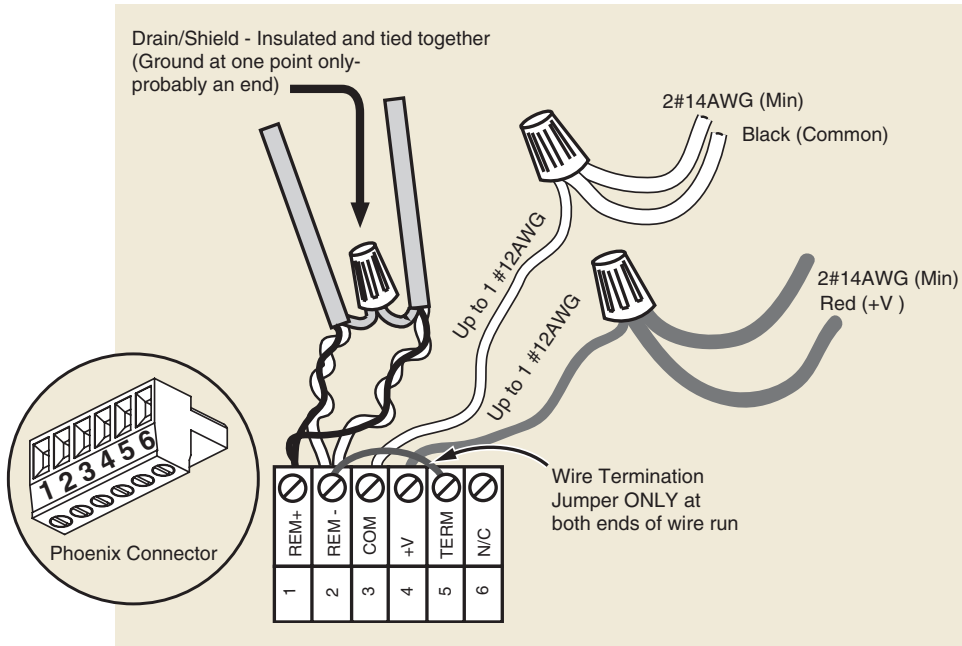
a-2000 Technical Information



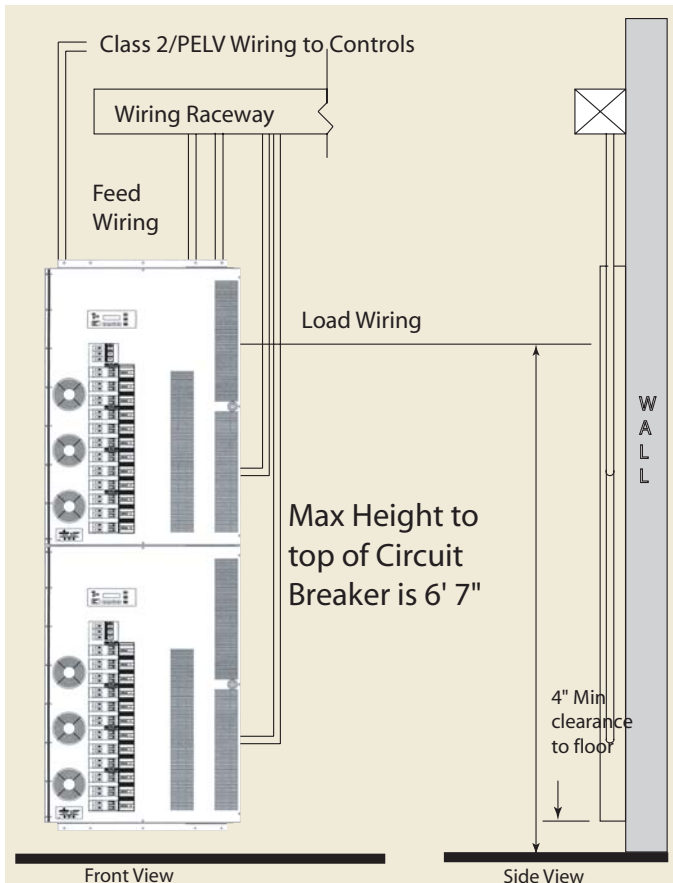
CONTROL WIRING

All a-2000 dimming and relay cabinets are wired in exactly the same way and communicate via Luma-Net® III or DMX512. Through the use of the Network Protocol Converter, a-2000 cabinets can be integrated with RS232 and standard 10/100 TCP/IP routers and networks. We strongly recommend the use of either Belden 9829,

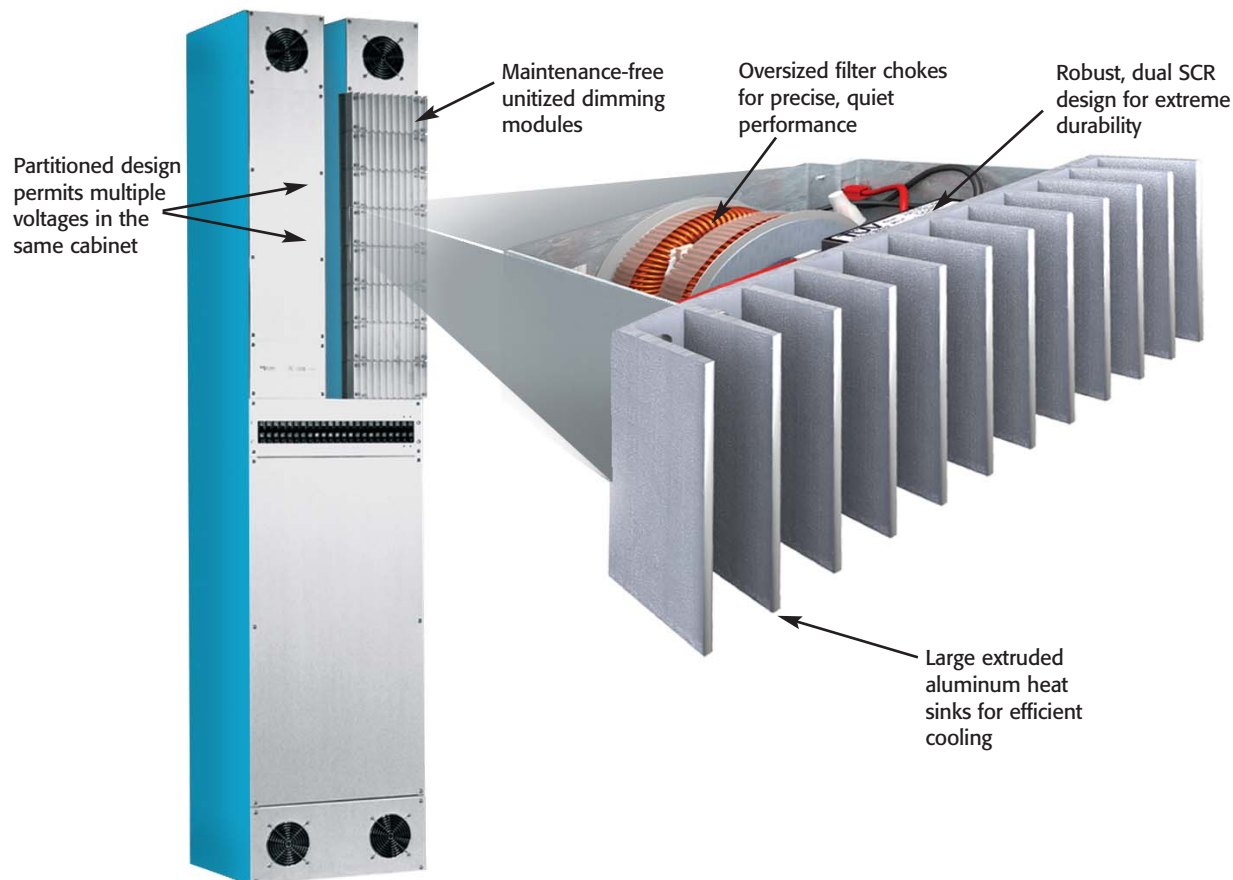
8102 or Belden 9729 for the Luma-Net wire runs. A second pair of stranded wire is required for power. At the last control station or dimmer cabinet on both ends of the run, a small jumper wire must be run from the terminal labeled "Rem-" to the terminal marked "Term" on that last station. This jumper wire properly terminates the digital communications lines at the end of the line.



BASIC MOUNTING DIAGRAM

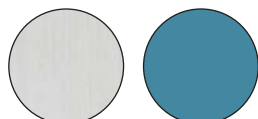


MODULAR DIMMING SYSTEM CABINETS



- Each cabinet is completely integrated and factory tested
- Plug-in dimmers for fluorescent, incandescent and non-dimming loads
- Easily sectionalized to accommodate multi-voltage feeds and normal and emergency feeds
- Convection cooling eliminates fan noise
- May be wall mounted or free standing

Available Colors



Brushed Aluminum front/Blue sides

Power Dimming Cabinets

MDS Product Listing



MDS • PRODUCT LISTING

MDS MODULAR DIMMING CABINETS

The key to Leviton's Modular Dimming System (MDS) flexibility is the variety of dimming cabinets that fit together like building blocks. Each cabinet is built by Leviton to meet specific application requirements. MDS cabinets are easily barriered into sections to accommodate multi-voltage feeds into the same cabinet, including emergency feeds. Dimmers are available for virtually all brands and varieties of fluorescent dimming ballasts, incandescent dimmers, and non-dimming loads. The cabinets easily accommodate main circuit breakers as well as main lugs. They can contain bypass contactors for emergency circuits, or where required, UL 1008 emergency transfer contactors. Both wall mount and freestanding cabinets are available.



SPECIFICATIONS & FEATURES

- Flexible design based on modular construction, including plug-in dimmers
- Intermix 120V and 277V dimmers in a single enclosure; dim virtually any fluorescent dimmer ballast
- 100% solid state electronics
- Completely convection cooled (no fan noise)
- Optional UL1008 transfer contactor
- Use with all Leviton control types including DMX 512
- Compatible with Leviton D4200, D8000, DMS and DPS stations

TESTING & CODE COMPLIANCE

- Factory wired and tested
- UL and cUL Listed
- Backed by a Limited Two-Year Warranty

DIMENSIONS

The size of an MDS Cabinet is dependent on the number and type of dimmers contained and whether or not UL 1008 transfer contactors or an emergency bypass is required. In general, wall-mounted cabinets are 9 inches deep and the dimmer heat sinks protrude an extra 2 inches; freestanding cabinets are 18 inches deep with an extra 2 inches for the heat sinks. See the MDS Product Specifications sheet for additional sizing details or call the Leviton's quotations group at 1-800-996-2276 for complementary assistance in determining dimensions.



MDS DIMMING MODULES

With superior surge current capacity, Leviton dimming modules use Silicon Controlled Rectifiers (SCR) for power handling rather than triacs. These modular dimmers can be combined in systems with other Leviton dimmers.

SPECIFICATIONS & FEATURES

- Voltage regulation compensates for incoming line voltage variations
- Toroidal filter with 500 μ sec rise time

TESTING & CODE COMPLIANCE

- Factory Assembled and Tested
- UL Listed
- Backed by Limited Two-Year Warranty



120V Dimmers for MDS Cabinet*

DESCRIPTION	CAT. NO.	HEIGHT IN INCHES	DIMMER UNIT SPACES REQUIRED
1440W dual dimmer**	dci 1440	4	one 4" unit
1920W dual dimmer**	dci 1920	4	one 4" unit
2500W dual dimmer	dci 2500	4	one 4" unit
3750W single dimmer	dci 3750	4	one 4" unit
5000W single dimmer	dci 5000	4	one 4" unit
7200W single dimmer	dci 7200	12	three 4" units
9600W single dimmer	dci 9600	12	three 4" units
12000W single dimmer	dci 12000	12	three 4" units

* Dimmers are also available in 220/240, 277, and 347-volt ratings, 50 or 60 Hz.

** UL listed 2500W dimmer with lower rated primary circuit breaker.



Power Dimming Cabinets

MDS Applications & Technical Information



Leviton Modular Dimming Systems (MDS) are high quality, made to order, yet cost-effective dimmer systems. Modular construction and a variety of available controls options enable Leviton to build an MDS cabinet to each application's unique requirements—with the exact number and capacity of dimmers and specific accessories. Typical dimmer-per-circuit designs require only 20-amp dimmers. For special requirements such as driving 5,000- and 10,000-watt loads, larger dimmers offering up to 12,000 watts of load capacity are available.

CONSIDER AN MDS CABINET:

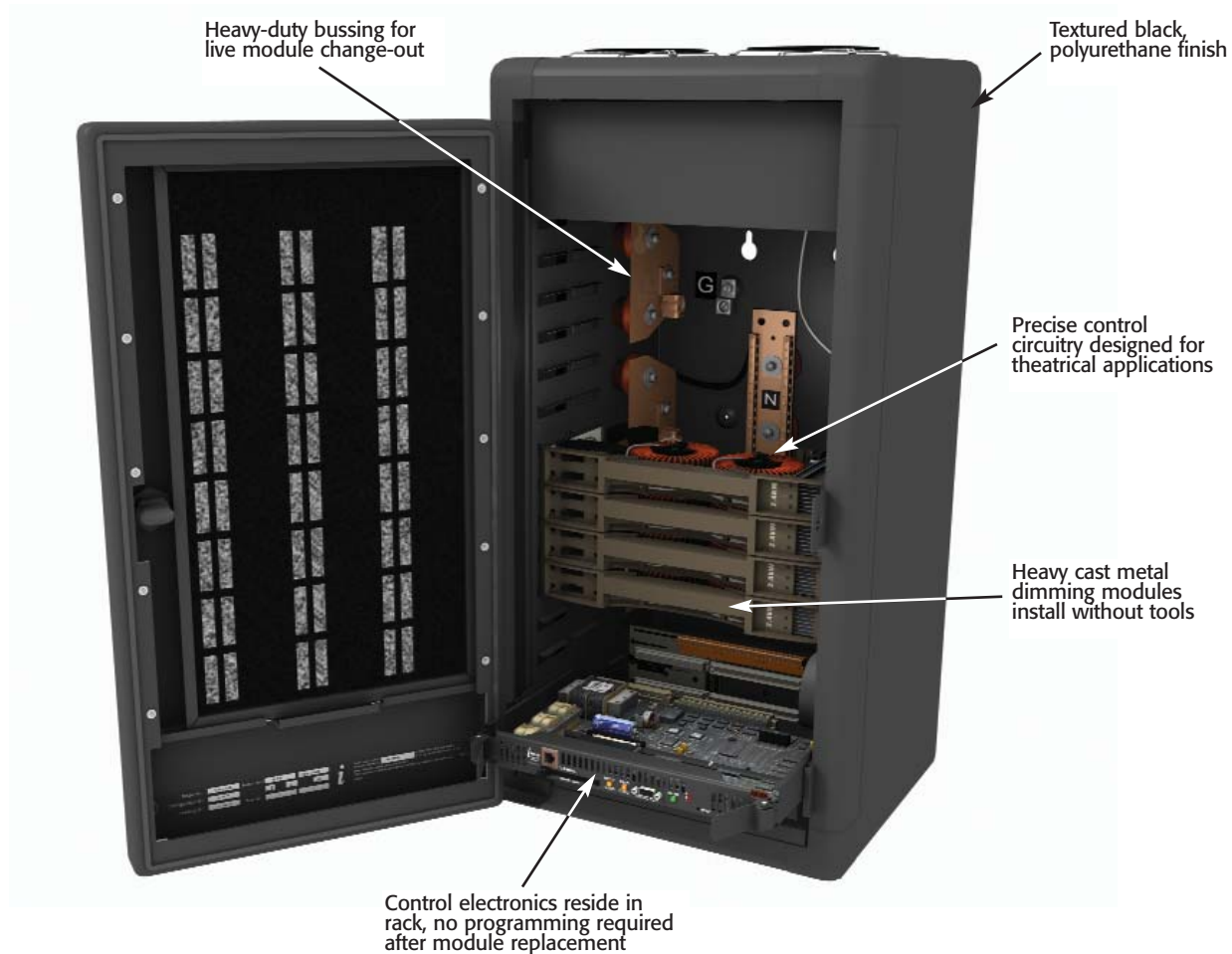
- To retrofit or replace older auto transformer dimmers
- When an application features a variety of lighting loads with different voltages
- If an emergency transfer switch is required within the dimming system
- Where cooling fans may not be used
- If ease of installation is a factor

COMMON MDS APPLICATIONS

- Schools
- Hospitality
- Banquet Facilities
- Entertainment Venues

i Series Dimming Racks

Leviton's i Series is a three-tiered line of dimming racks that includes the i Series, i Series e, and i Series Quad. The most full-featured of the line is the i Series, which incorporates comprehensive reporting functionality. Although i Series e racks may look identical, they offer a more economical option where full reporting is not required. The i Series Quad provides twice the dimming capacity as the i24e in the same, basic cabinet for unmatched dimmer density.



- 2 dimmers per slot except i Series Quad (4 dimmers per slot)
- Robust mechanical design
- Remote programming and status reporting
- Optional handheld terminal
- Cabinets may be wall mounted or free standing, small footprint
- Available in U.S. and international voltages

Available Colors



Power Dimming Cabinets

i Series Product Listing



i SERIES • PRODUCT LISTING



i24



i48



i96

i Series DIMMING RACKS

The Leviton i Series line of dimmer products is a feature-rich line of three racks that accommodate from 24 to 96 dimmers. The i Series house intelligent, self-regulating dimmer modules that distribute control electronics throughout the entire rack. The racks feature a rugged physical design, sophisticated programming and feedback functions, and monitoring over a variety of media.

SPECIFICATIONS & FEATURES

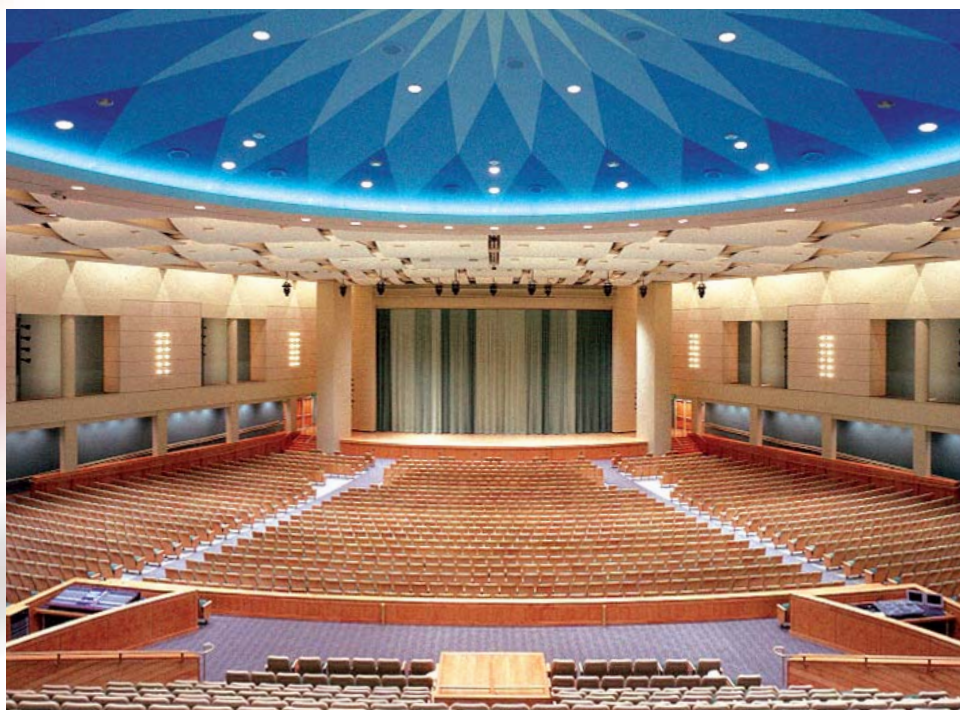
- All rack configuration data is stored in rack electronics
- Onboard processor in every dimmer module provides unequalled tolerance to power instability
- Hot-swappable modules require no reprogramming
- Individual dimmer feedback, including remote temperature reporting
- Stores 100 timed backup looks; 12 looks for house or stage
- Stacked design provides fresh cooling air to each module and full frontal access to interior wiring and terminations
- Automatic lamp check
- Optional redundant control module provides seamless backup for each rack
- Optional handheld terminal provides feedback and control at each rack or remotely
- Compatible with Luma-Net® network and Leviton Dimensions controllers through an NPC
- Available in U.S. and international voltages, 1.8-10kW

i Series rack levels:

- 2 dimmer modules and 24 circuits, wall mount
- 24 dimmer modules and 48 circuits, free standing
- 48 dimmer modules and 96 circuits, factory installed rack-to-rack bussing

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty





i DIMMING RACKS

i24

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
Configurable i24 Rack	4-0130	120V	24	Textured Black
Dual 1.8/2.4kW i24 Rack	4-0132	120V	24	Textured Black
Configurable i24 Rack	4-0170	230V	24	Textured Black
Dual 2.5kW i24 Rack	4-0172	230V	24	Textured Black
Dual 5.0kW i24 Rack	4-0176	230V	24	Textured Black

i48

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
Configurable i48 Rack	4-0120	120V	48	Textured Black
Dual 1.8/2.4kW i48 Rack, Phase Balanced	4-0121*	120V	48	Textured Black
Dual 1.8/2.4kW i48 Rack	4-0122*	120V	48	Textured Black
Configurable i48 Rack	4-0160	230V	48	Textured Black
Dual 2.5kW i48 Rack, Phase Balanced	4-0161*	230V	48	Textured Black
Dual 2.5kW i48 Rack	4-0162*	230V	48	Textured Black

i96

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
Configurable i96 Rack	4-0110	120V	96	Textured Black
Dual 1.8/2.4kW i96 Rack, Sequential	4-0111*	120V	96	Textured Black
Dual 1.8/2.4kW i96 Rack	4-0112*	120V	96	Textured Black
Configurable i96 Rack	4-0150	230V	96	Textured Black
Dual 2.5kW i96 Rack, Phase Balanced	4-0151*	230V	96	Textured Black
Dual 2.5kW i96 Rack	4-0152*	230V	96	Textured Black
Dual 5.0kW i96 Rack	4-0156*	230V	96	Textured Black

* Add -T to part number to include Handheld Terminal and integrated door mounting.

DIMENSIONS

i24: 16.0" (40.6cm) x 15.0" (38.1cm) x 31.0" (78.7cm)

i48: 16.5" (41.9cm) x 24.0" (60.9cm) x 50.0" (127.0cm)

i96: 16.5" (41.9cm) x 24.0" (60.9cm) x 86.0" (218.4cm)

Power Dimming Cabinets

i Series Product Listing



i24e

i48e



i96e

i48 Quad

i Series e & QUAD DIMMING RACKS

The Leviton i Series e line of dimmer products is a cost-effective line with the same, robust mechanical design approach as the standard i Series. The series features three racks, which accommodate from 24 to 96 individual dimmers. The Leviton i48 Quad features double the dimming capacity (48 dimmers) as the i24e in the same, basic cabinet.

SPECIFICATIONS & FEATURES

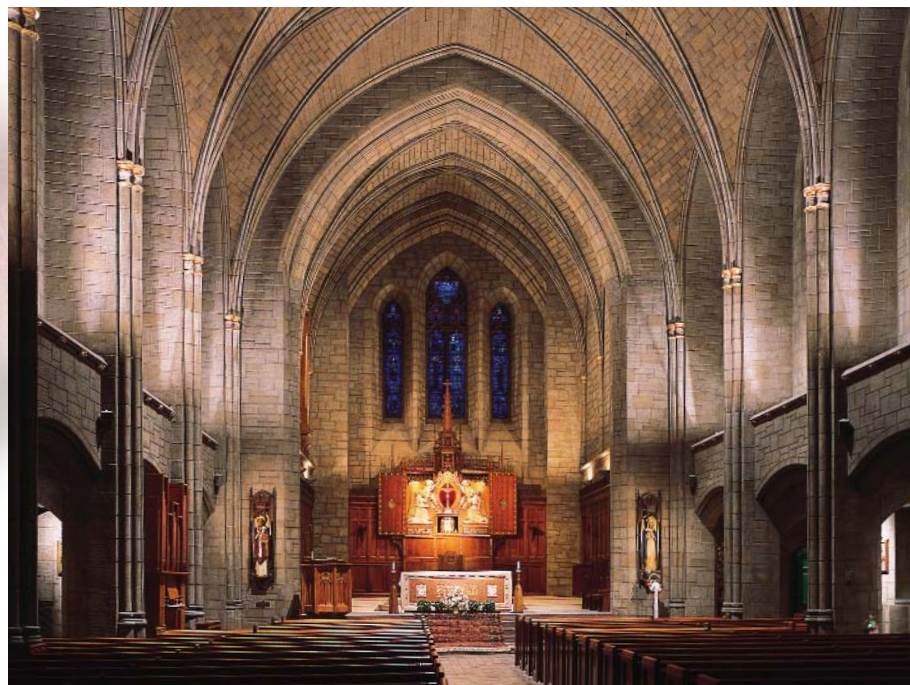
- All rack configuration data is stored in rack electronics
- Onboard processor in every dimmer module provides unequalled tolerance to power instability
- Hot-swappable modules require no reprogramming
- Stores 100 timed backup looks; 12 looks for house or stage
- Stacked design provides fresh cooling air to each module and full frontal access to interior wiring and terminations
- Optional handheld terminal provides feedback and control at each rack or remotely
- Optional redundant control module provides seamless backup for each rack
- Compatible with Luma-Net® network and Leviton Dimensions controllers
- Available in U.S. and international voltages, 1.8-10kW

Rack Levels:

- 12 dimmer modules and 24 circuits, wall mount (i Series e)
- 24 dimmer modules and 48 circuits, free standing (i Series e)
- 48 dimmer modules and 96 circuits, factory installed rack-to-rack bussing (i Series e)
- 12 dimmer modules and 48 circuits, wall mount (i Series Quad)

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty





iSeries e & QUAD DIMMING RACKS

i24e

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
Configurable i24e Rack	4-0130e	120V	24	Textured Black
Dual 1.8/2.4kW i24e Rack	4-0132e	120V	24	Textured Black
Configurable i24e Rack	4-0170e	230V	24	Textured Black
Dual 2.5kW i24e Rack	4-0172e	230V	24	Textured Black
Dual 5.0kW i24e Rack	4-0176e	230V	24	Textured Black

i48e

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
Configurable i48e Rack	4-0120e	120V	48	Textured Black
Dual 1.8/2.4kW i48e Rack	4-0122e*	120V	48	Textured Black
Configurable i48e Rack	4-0160e	230V	48	Textured Black
Dual 2.5kW i48e Rack	4-0162e*	230V	48	Textured Black
Dual 5.0kW i48e Rack	4-0166e*	230V	48	Textured Black

i96e

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
Configurable i96e Rack	4-0110e	120V	96	Textured Black
Dual 1.8/2.4kW i96e Rack	4-0112e*	120V	96	Textured Black
Configurable i96e Rack	4-0150e	230V	96	Textured Black
Dual 2.5kW i96e Rack	4-0152e*	230V	96	Textured Black
Dual 5.0kW i96e Rack	4-0156e*	230V	96	Textured Black

i48 Quad

DESCRIPTION	CAT. NO.	RATING	NO. DIMMERS	COLOR
120V Configurable i48 Quad Rack	4-1130	120V	48	Textured Black
230V Configurable i48 Quad Rack	4-1170	230V	48	Textured Black
230V 4.0kW i48 Quad Rack	4-1176	230V	48	Textured Black

* Add -T to part number to include Handheld Terminal and integrated door mounting.

DIMENSIONS

i24e: 16.0" (40.6cm) x 15.0" (38.1cm) x 31.0" (78.7cm)

i48e: 16.5" (41.9cm) x 24.0" (60.9cm) x 50.0" (127.0cm)

i96e: 16.5" (41.9cm) x 24.0" (60.9cm) x 86.0" (218.4cm)

i48 Quad: 16.0" (40.6cm) x 15.0" (38.1cm) x 31.0" (78.7cm)

Power Dimming Cabinets

i Series Product Listing



*i Series e Dimmer Module**



i Series Quad Dimmer Module



i Series Control Module



i Series e/Quad Control Module



i Series Handheld Terminal



i Series e/Quad Handheld Terminal

i Series MODULES & ACCESSORIES

SPECIFICATIONS & FEATURES

Dimmer Modules

- Contain 2 discrete dimmed circuits (i48 Quad has 4 circuits)
- Floating load and line connectors for smooth insertion and removal of module and integrity of all power and control contacts
- Built-in panic function for each dimmer
- Power regulation provides smooth consistent power output despite fluctuations in line power input
- LED on face offers immediate, local feedback at the rack
- Individual module over-temp warning and shutdown feature (i Series module only)
- Failure of single module will not affect rack operations
- Ultra-smooth dimming (in 4000 steps)
- Optically isolated control signal to 4000 volts
- Available in U.S. and international voltages

Control Modules

- Provide seamless backup for each rack plus control signal mapping

Handheld Terminal

- For remote monitoring and programming of dimmer operating parameters

** Module for i Series contains additional circuitry for monitoring and feedback*



i *Series* MODULES & ACCESSORIES

i Series Dimmer Modules

DESCRIPTION	CAT. NO.	RATING	RISE TIME
Dual Dimmer Module	4-0011	1.8kW 120V	500 μ s
Dual Dimmer Module	4-0012	2.4kW 120V	500 μ s
Single Dimmer Module	4-0023	2.4kW 120V	800 μ s
Single Dimmer Module	4-0014	6.0kW 120V	500 μ s
Double-High Dimmer Module	4-0025	6.0kW 120V	800 μ s
Single Dimmer Module	4-0072	2.5kW 230V	800 μ s
Single Dimmer Module	4-0064	5.0kW 230V	500 μ s
Dual Dimmer Module	4-0052	5.0kW 230V	350 μ s
Double-High Dimmer Module	4-0074	5.0kW 230V	800 μ s
Double-High Dimmer Module	4-0054	10.0kW 230V	500 μ s

i Series e Dimmer Modules

DESCRIPTION	CAT. NO.	RATING	RISE TIME
Dual Dimmer Module	4-0011e	1.8kW 120V	500 μ s
Dual Dimmer Module	4-0012e	2.4kW 120V	500 μ s
Single Dimmer Module	4-0023e	2.4kW 120V	800 μ s
Single Dimmer Module	4-0014e	6.0kW 120V	500 μ s
Double-High Dimmer Module	4-0025e	6.0kW 120V	800 μ s
Dual Dimmer Module	4-0061e	2.5kW 230V	500 μ s
Single Dimmer Module	4-0072e	2.5kW 230V	800 μ s
Dual Dimmer Module	4-0052e	5.0kW 230V	350 μ s
Single Dimmer Module	4-0064e	5.0kW 230V	500 μ s
Double-High Dimmer Module	4-0074e	5.0kW 230V	800 μ s
Double-High Dimmer Module	4-0054e	10.0kW 230V	500 μ s

i48 Quad Dimmer Modules

DESCRIPTION	CAT. NO.	RATING	RISE TIME
Quad Dimmer Module	4-1001	1.8kW 120V	350 μ s
Quad Dimmer Module	4-1002	2.4kW 120V	350 μ s
Quad Dimmer Module	4-1056	4.0kW 230V	280 μ s

Airflow Modules

DESCRIPTION	CAT. NO.	RATING	COLOR
i Series Air-Flow Module	4-0099	—	—
i Series e Air-Flow Module	4-0099e	—	—
i Series Quad Air-Flow Module	4-1099	—	—



i SERIES • PRODUCT LISTING

Power Dimming Cabinets

i Series Product Listing



Control Modules

DESCRIPTION	CAT. NO.	RATING	COLOR
i24 Control Module	4-0313	120/230V	Textured Black
i24e Control Module	4-0313e	120/230V	Textured Black
i48 Control Module	4-0311	120V	Textured Black
i48/i96 Control Module	4-0312	230V	Textured Black
Control Module for i48e/i96e/i48Quad	4-0311e	120/230V	Textured Black

Constant Modules

DESCRIPTION	CAT. NO.	RATING	COLOR
Constant Module for i Series, 15A	4-0031	15A 120V	Textured Black
Constant Module for i Series e, 15A	4-0031e	15A 120V	Textured Black
Constant Module for i Series, 20A	4-0032	20A 120V	Textured Black
Constant Module for i Series e, 20A	4-0032e	20A 120V	Textured Black
Constant Module for i Series Quad, 15A	4-1031	15A 120V	Textured Black
Constant Module for i Series Quad, 20A	4-1032	20A 120V	Textured Black

Other i Series Accessories

DESCRIPTION	CAT. NO.	RATING	COLOR
Handheld Terminal for i Series	4-0301	—	Textured Black
Handheld Terminal for i Series e	4-0301e	—	Textured Black
Ground Bus Kit	opt-40001	—	—
Memory Card, 1MB PCMCIA	4-0306	—	—



In general, i Series racks are a good choice:

- Where you need high performance architectural AND theatrical dimming
- Where space is at a premium

The i Series features three product lines: i Series e, i Series Quad and i Series. Although similar in most ways, keep in mind these differences to help you select the correct one.

- i Series e: when 2 dimmers per slot is adequate
- i Series Quad: to incorporate more dimmers (up to 48) than the i24e can accommodate with the same, small footprint
- For more advanced theatrical applications requiring distributed processing and/or full feedback (temperature, load, etc.) choose one of the standard i Series racks

Typical Applications

- Schools
- Houses of Worship
- Convention Facilities
- Auditoriums
- Theaters
- Performing Arts Facilities



Theatrical Equipment

G
SECTION



Leviton provides stage, studio and architectural equipment for a broad range of theatrical lighting applications. Our state-of-the-art performance line includes control, dimming and lighting equipment for tackling the widest range of applications. Whether your venue is a place to educate, entertain, worship, broadcast or hold conventions, Leviton has field proven lighting solutions to meet your needs. That's why our products are found everywhere from intimate theatrical settings to some of the most recognized places on the planet.

For more information on any of these products, refer to the Leviton Colortran brochure or visit www.colortran.com.

INNOVATOR SERIES

The Innovator series of four lighting consoles unifies advanced theatrical functions with sophisticated control for a high level of functionality at an economical price. Easy-to-use display and control features seamlessly link intelligent and standard light fixtures to help you create the look you desire. Models offer varying physical channel faders and capacities.

SPECIFICATIONS & FEATURES

- 8-part complex cues with independent cue attributes
- 1,536 dimmer output (3 DMX512 universes)
- Dual independent auto crossfaders address discrete cue lists
- Up to 128 simultaneous crossfades may be executed
- Submasters with bump buttons and LED indicator may be assigned any combination of cues, groups and effects—and programmed with specific up/down times
- Trackball provides fast selection and editing of cue and channel information and pan/tilt control for intelligent fixtures
- Seven independent encoders provide quick-editing of automated device traits in live or blind operation
- Ethernet based Colornet® standard on all consoles provides DMX512 distribution, remote video and networked handheld remote
- Windows-based Off Line Editor software enables console programming and show design from a PC

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty



MODEL	CHANNEL FADERS		SUBMASTER FADERS	CONTROL CHANNELS	TRAIT CHANNELS	CUES PER SHOW	GROUPS PER SHOW
	1 SCENE	2 SCENE					
Innovator 24/48	48	24	24 faders 8 pages	384	512	600 max	500 max.
Innovator 48/96	96	48	24 faders 8 pages	384	512	600 max	500 max
Innovator 72/144	144	72	24 faders 8 pages	384	512	600 max	500 max
Innovator 600	0	0	24 faders 8 pages	600	512	600 max	500 max

Theatrical Equipment

Control



ENCORE SERIES

The Encore series offers a full compliment of traditional, non-automated control and cue memory features. Sophisticated cue, effect and memory functions with intuitive programming syntax provide for easy parameter modification without a set order or hierarchy.

SPECIFICATIONS & FEATURES

- 4 playback faders
- VGA color monitor (standard)
- 3.5-inch hard drive memory storage with file management functions and specific data retrieval
- Built-in alphanumeric labeling capability
- Online help feature
- Proportional soft patching with custom dimmer profiles
- Advanced cue parameters
- 100 user-definable macros
- Automated channel feature for isolating channels to control automated equipment
- MIDI compatible (MIDI Show Control and standard MIDI commands)
- Complete selection of options and support accessories

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty



MODEL	CHANNEL FADERS		SUBMASTER FADERS	CONTROL CHANNELS	TRAIT CHANNELS	CUES PER SHOW	GROUPS PER SHOW
	1 SCENE	2 SCENE					
Encore 24/48	48	24	24	512	—	600 max.	500 max.
Encore 48/96	96	48	48	512	—	600 max	500 max
Encore XL	0	0	48	512	—	600 max	500 max
Encore XL/2	0	0	48	1024	—	600 max	500 max

STATUS SERIES

The Status 12/24 and 24/48 are easy-to-operate lighting control consoles with capabilities that far exceed their size. Their integral backlit LCD screens display channel levels, patch information, cue parameters and setup data.

SPECIFICATIONS & FEATURES

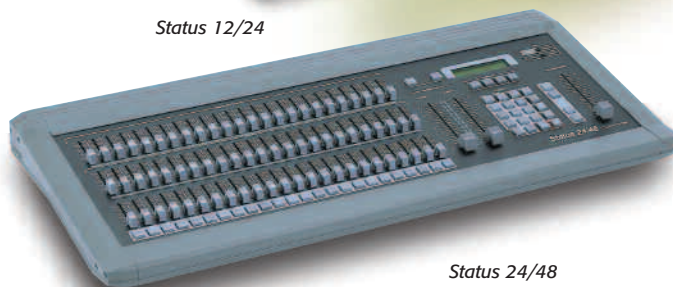
- Full effects parameters
- Live and blind programming modes
- 512 dimmer capacity
- Overlapping submaster, programmable bump buttons and the ability to play back effects on any submaster
- Cycle mode for automatic cue sequencing

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty



Status 12/24



Status 24/48

MODEL	CHANNEL FADERS		SUBMASTER FADERS	CONTROL CHANNELS	TRAIT CHANNELS	CUES PER SHOW	GROUPS PER SHOW
	1 SCENE	2 SCENE					
Status 12/24	24	12	12	48	—	120	—
Status 24/48	48	24	24	96	—	120	—



Theatrical Equipment

Dimming






The Leviton i Series house intelligent, self-regulating dimmer modules that distribute control electronics throughout the entire rack. These high-density dimming racks feature a rugged physical design, sophisticated programming and feedback functions, and monitoring over a variety of media.

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty

SPECIFICATIONS & FEATURES

	i SERIES	i SERIES QUAD	i SERIES e
No. Modules	12, 24 or 48	12	12, 24 or 48
No. Circuits	up to 96	4 per module, 48 per cabinet	up to 96
Mounting	12-module cabinet is wall mountable; others free standing	wall mountable	12-module cabinet is wall mountable; others free standing
			
Load Types	Supported by custom profiles: <ul style="list-style-type: none"> • Incandescent • Magnetic Low Voltage • Advance Mark 10™ and Lutron Tu-Wire (2-wire fluorescent) • Solid-State Low Voltage 	Supported by built-in profiles: <ul style="list-style-type: none"> • Incandescent • Magnetic Low Voltage • Advance Mark 10™ and Lutron Tu-Wire (2-wire fluorescent) • Hi-Lume/Eco-10 (3-wire fluorescent) • Solid-State Low Voltage 	Supported by built-in profiles: <ul style="list-style-type: none"> • Incandescent • Magnetic Low Voltage • Advance Mark 10™ and Lutron Tu-Wire (2-wire fluorescent) • Hi-Lume/Eco-10 (3-wire fluorescent) • Solid-State Low Voltage
Voltage Rating	US and international	US and international	US and international
Voltage Regulation	+/- Voltage Regulation	+/- Voltage Regulation	+/- Voltage Regulation
Wattage Rating	1.8 to 10kW	1.8 or 2.4kW (4.0kW international)	1.8 to 10kW
Reporting Functions	<ul style="list-style-type: none"> • Overtemp warning • Overtemp shutdown • Phase voltage anomaly • Data signal anomaly • Active load • Active voltage • Error conditions • Deviation from recorded load • Tripped breaker • Panic condition • Incorrect module for rack position 	<ul style="list-style-type: none"> • Overtemp warning • Overtemp shutdown • Phase voltage anomaly • Data signal anomaly 	<ul style="list-style-type: none"> • Overtemp warning • Overtemp shutdown • Phase voltage anomaly • Data signal anomaly
Additional Features	<ul style="list-style-type: none"> • Remote programming and status reporting • Optional electronic noise reduction • Programmable to numerous parameters 	<ul style="list-style-type: none"> • Remote programming and status reporting 	<ul style="list-style-type: none"> • Remote programming and status reporting

For additional information on the i Series, see Section F.

LEVITON ROLLING RACKS

Leviton Rolling Racks offer the features and rugged design of the i Series lines in a rolling configuration. Available in three versions.

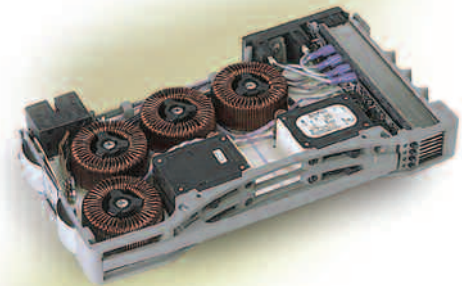
MODEL	BAYS	NO. DIMMERS	NO. LOAD PANELS / CIRCUITS	NO. PATCH CORDS / JACKS
Two Bay - 48	1 dimmer bay and 1 power patch bay (30" x 33")	48	6 / 144	192 / 216
Two Bay - 96	2 dimmer bays with soft patch (30" x 33")	96	6 / 144	0 / 0
Three Bay - 96	2 dimmer bays and 1 power patch bay (30" x 47")	96	9 / 216	192 / 408

SPECIFICATIONS & FEATURES

- Welded steel and aluminum frame with heavy-duty swivel casters and optional brakes
- 38" high units are stackable for double the density
- Tubular frame (open at top and bottom) allows insertion of 1-1/2" pipe for cable ladders, stacking stabilizers and other mechanical features
- 400A or 600A bussing
- Cam-type input connectors with or without feed-through
- Optional main circuit breaker with tabs for lockout padlock
- Write-on strips for circuit identification
- Three types of standard output connectors (Stage Pin, Socopex, Edison)
- Optional patented plug-in output panels

TESTING & CODE COMPLIANCE

- UL and cUL Listed
- Backed by a Limited Two-Year Warranty



iSeries Quad Dimming Module



Two Bay - 48

Three Bay - 96

Theatrical Equipment

Fixtures



Leviton offers a broad range of Colortran theatrical lighting fixtures including ellipsoidal spotlights; Fresnel spotlights; and cyclorama, background and fill lighting—sold as Pro-Pak kits with scrims, stands, cords, etcetera. We also carry Skyhook retractable lighting support. All offer tough construction and dependable service.



Mini-Elipse

ArcMini-Elipse

Cyc-Strip

6" Fresnel

5/50 Spotlight

Mini-Soft

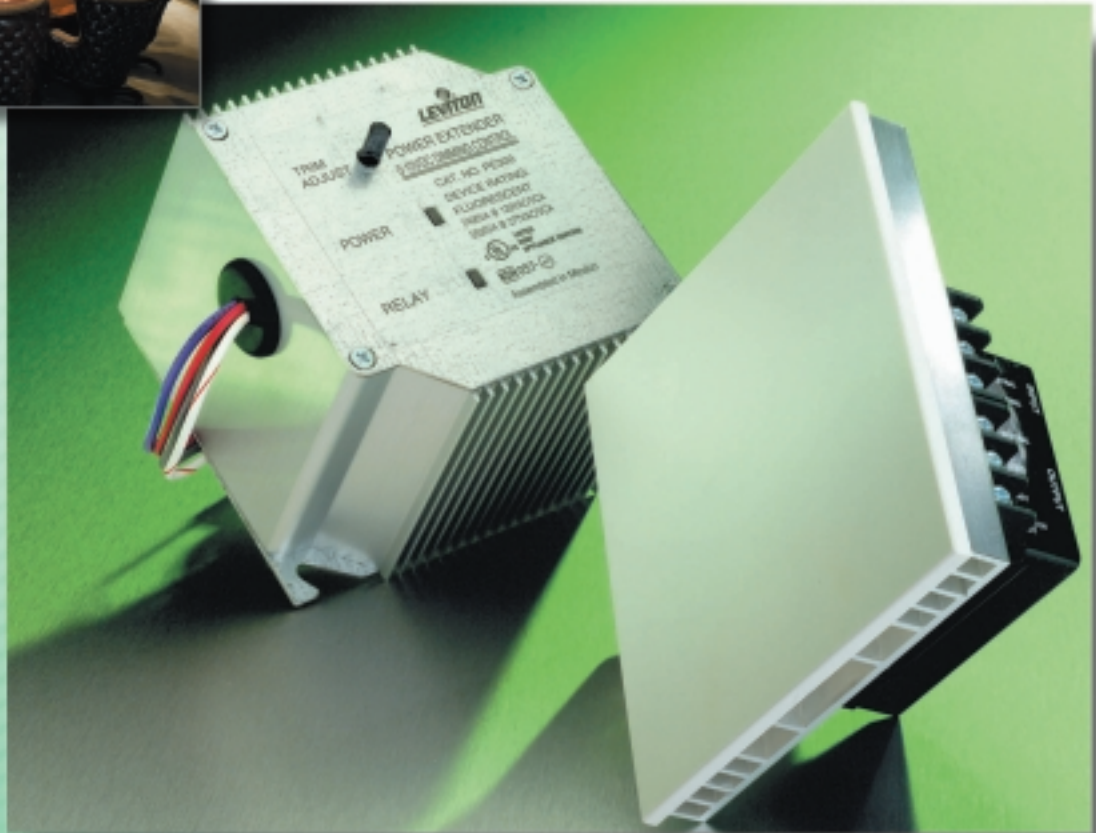




Power Extenders

H

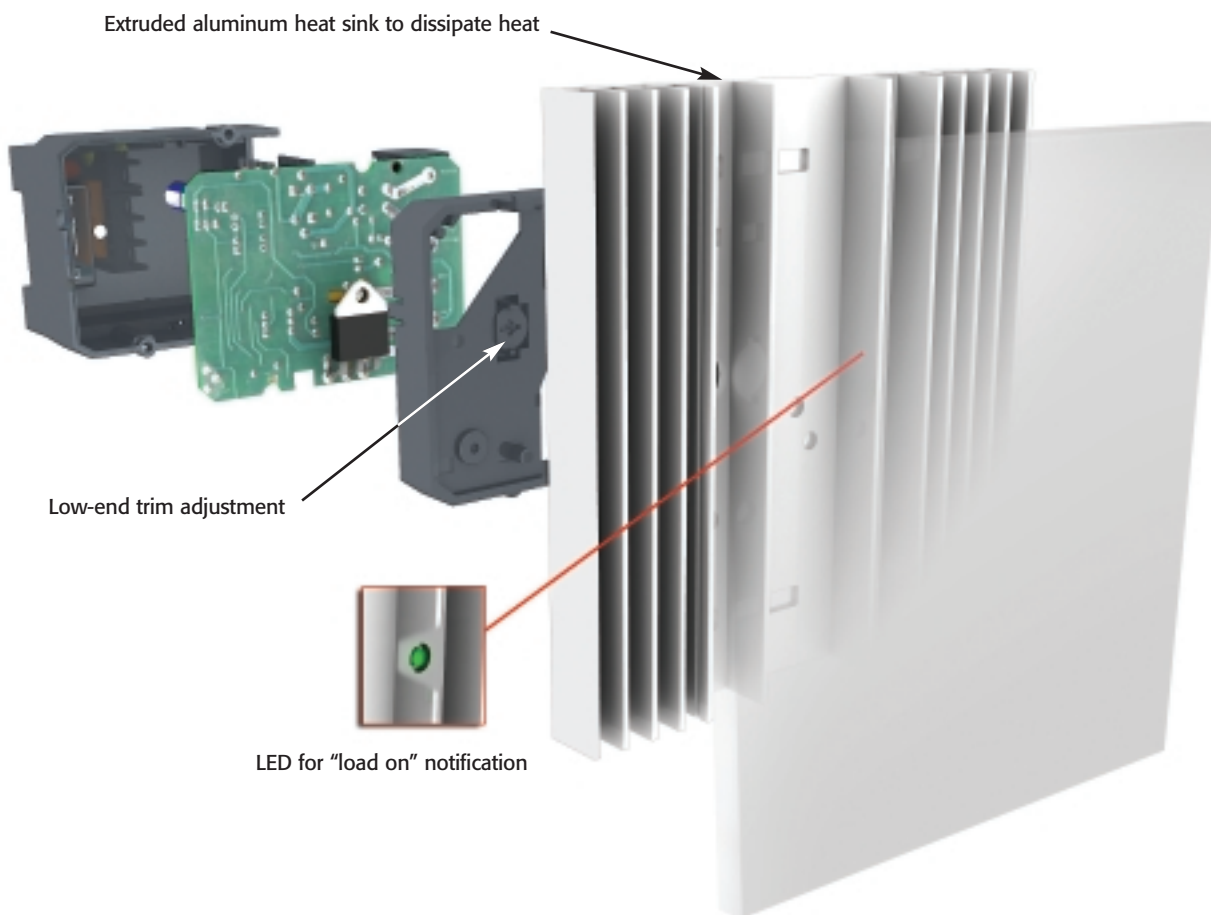
SECTION



Leviton's family of power extenders increases the load capacity and versatility of a variety of box-mounted dimmers and architectural systems.

POWER EXTENDERS

Leviton power extenders allow higher and different types of loads to be controlled by dimmers and architectural dimming systems than would otherwise be possible. A variety of models are available for all types of lighting loads.



- **PEX00 models emulate characteristics of connected dimmers in terms of dimming range and resolution**
- **Most PEX00 models have available low-end trim for setting minimum brightness level**
- **PEAUX models activate D320X auxiliary zones**
- **Most models can be surface- or flush-mounted**

Note: dimensions in parenthesis are millimeters; all other dimensions are inches.

Power Extenders

Product Listing



POWER EXTENDERS

SPECIFICATIONS AND FEATURES

	PE100-10W	PE200-10W	PE200-70W	PE300	PE400-10W	PEAUX/7
• Extend the capacity of dimmers and emulate connected dimmers (dimming range and resolution)	X	X	X	X	X	
• Low-end trim setting for minimum brightness level	X	X	X	X		
• Aluminum heat sink with snap-on cover	X	X	X		X	X
• Can be surface- or flush-mounted using a 1900 Box and 2-gang raised cover	X	X	X		X	X
• Mounts in 4-inch square wallbox				X		
• Enables auxiliary zones on D3200						X

Power Extender / Leviton Dimmer Compatibility

	120V/ 600W or 600VA versions*, except with PE200-70W**									
	Acenti Mural	Monet	Illuma Tech	Toggle Touch	Touch Point	True Touch	Sure Slide	Trima tron	D320X Controllers	Arch. Systems
PE100-10W	Incand MLV	Incand	Incand	Incand	Incand	Incand	Incand		X	X
PE200-10W†	Mark 10	Mark 10	Mark 10		Mark 10				X	X
PE200-70W**†	Mark 10	Mark 10	Mark 10		Mark 10				X	
PE300	Incand MLV	Incand	Incand	Incand	Incand	Incand	Incand		X	X
PE400-10W	Incand MLV	Incand	Incand		Incand	Incand	Incand	Incand	X	X
PEAUX-12W									X	
PEAUX-AUW									X	
PEAU7-D1W									X	

* If the dimmer has a neutral wire it must be connected. ** Compatible with 220V, 600VA versions of all box-mounted dimmers.

† For Hi-lume ballasts use incandescent type dimmers.

NOTE: Although some Power Extenders may be used with Renoir and Van Gogh Dimmers, there is little need to use them since these dimmers can already accommodate relatively high loads.

TESTING & CODE COMPLIANCE

- UL listed, CSA and NOM certified
- CE Compliant (PEAU7-M1)
- Backed by a Limited Two-Year Warranty

Load Icon Legend



Incandescent



Electronic Low Voltage



Fan Speed Control



Fluorescent



Neon Cold Cathode



Motor Load



Magnetic Low Voltage

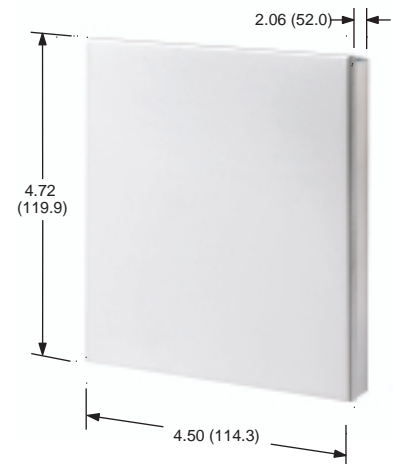


High Intensity Discharge

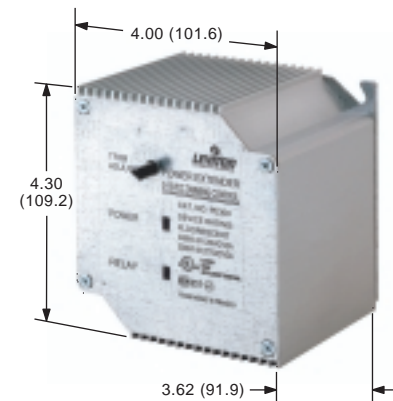
POWER EXTENDERS

Standard Power Extenders

DESCRIPTION	CAT. NO.	RATING	COLOR
Extends dimming zone capacity to full 1920W/VA @ 120VAC for incandescent, magnetic low-voltage, halogen, or neon/cold cathode lighting	pe100-10w	Input Voltage: 120V 50/60Hz* Load Rating: 1920W/VA Dimmer Input: 120V 50/60Hz	White
Extends dimming zone capacity to full 1920W/VA @ 120VAC for Mark 10™ Powerline™, Hi-lume®, Lutron Tu-Wire or equivalent dimmable fluorescent ballasts	pe200-10w	Input Voltage: 120V 50/60Hz* Load Rating: 1920VA Dimmer Input: 120V 50/60Hz	White
Extends dimming zone capacity to full 3000VA @ 277V for Mark 10 Powerline™, Hi-lume, Lutron Tu-Wire or equivalent dimmable fluorescent ballasts	pe200-70w	Input Voltage: 277V 50/60Hz* Load Rating: 3000VA Dimmer Input: 120V 50/60Hz	White
Extends dimming zone capacity to full control of a 20A circuit with Mark 7™ 0-10V, Lutron 0-10V, OSRAM Sylvania Quicktronic® Helios™, or equivalent ballasts	pe300-d0w	Input Voltage: 120-277VAC 60Hz* Load Rating: 20A-2400VA @ 120VAC, 5500VA @ 277VAC Power Consumption: 6W @ 120VAC, 18W @ 277VAC Output Ballast Control: 0-10VDC Dimmer Input: 120V 60Hz	Metallic Silver
Extends dimming zone capacity to full 1000W/VA @ 120VAC for electronic low voltage or incandescent lighting	pe400-10w	Input Voltage: 120VAC 50/60Hz* Load Rating: 1000W/VA Dimmer Input: 120V 60Hz	White



PE100/200/400/AUX/AU7



PE300-DOW

Auxiliary-Zone Network Power Extenders

DESCRIPTION	CAT. NO.	RATING	COLOR
Enables 2 auxiliary zones on a D320X Controller/Dimmer for full control over incandescent, magnetic low-voltage, or neon/cold cathode lighting	peaux-12w	Input Voltage: 120VAC 50-60Hz* Load Rating: 1920W/VA total, 1000W/VA max. per zone Dimmer Input: D320X	White
Enables 1 auxiliary zone on a D320X Controller/Dimmer for full control over incandescent, magnetic low-voltage, or neon/cold cathode lighting	peaux-auw**	Input Voltage: 230VAC 50/60Hz* Load Rating: 2400 W/VA total Dimmer Input: D320X	White
Enables 1 auxiliary zone on a D320X Controller/Dimmer for full control over Mark 7™ 0-10V, OSRAM Sylvania Quicktronic, Helios, Lutron 0-10V, or equivalent ballasts	peau7-m1w	Input Voltage: 120-230V 50-60Hz* Output Ballast Control: 0-10VDC Load Rating: 20A-120V & 10A-230V Dimmer Input: D320X	White

* Load output power is phase independent of control device.

** Not UL Listed



POWER EXTENDER • PRODUCT LISTING

Power Extenders

Applications & Technical Information



APPLICATIONS

The purpose of a power extender is to increase load capacity so that a dimmer can control a higher wattage fixture or a different type of load than would have otherwise been possible. Power extenders enable you to increase this capacity without purchasing additional, more expensive dimmers. Consider adding a standard power extender in the following circumstances:

- When the load you want to control with a dimmer is beyond the capacity of the dimmer
- When you would rather not replace the existing dimmer with a higher capacity dimmer
- To control a load type that was not specified by the manufacturer of the dimmer

On the other hand, the purpose of Leviton's series of network power extenders (PEAU) is to enable auxiliary zones on a D320X Controller/Dimmer. As with any other Dimensions D3200 network dimmer, these power extenders must be programmed with addresses. Additional programming is necessary to enable the auxiliary zones (See the power extender instruction sheet for detailed instructions.)

Consider adding a network power extender when you want to:

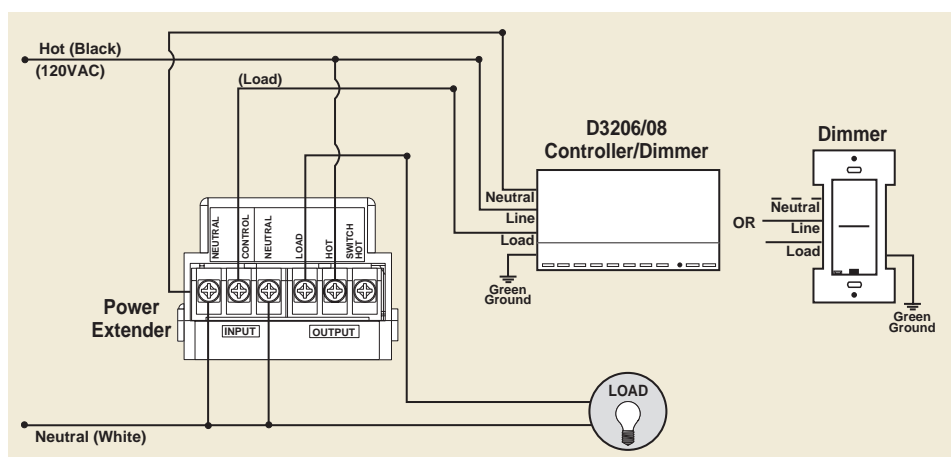
- Attach more loads to a Dimensions D320X controller than the six zones can accommodate
- Incorporate a load into a D3200 system for which the D320X is NOT rated

WIRING DIAGRAMS

This section provides single-feed wiring diagrams for each Leviton power extender. Most Leviton power extenders can also be supplied by two circuit breakers on a single phase or by two, separate phases. Wiring diagrams for these dual-feed applications can be found on the appropriate instruction and data sheets.

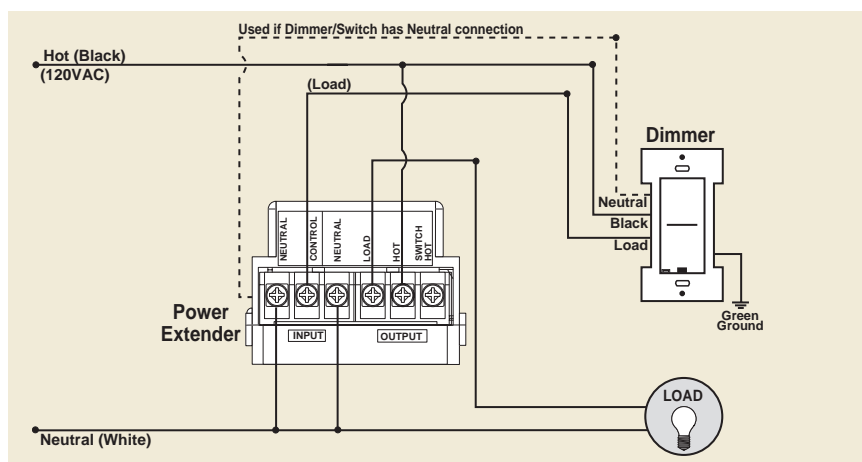
PE100

Single Feed Application with Controller or Dimmer



Note: Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breakers.

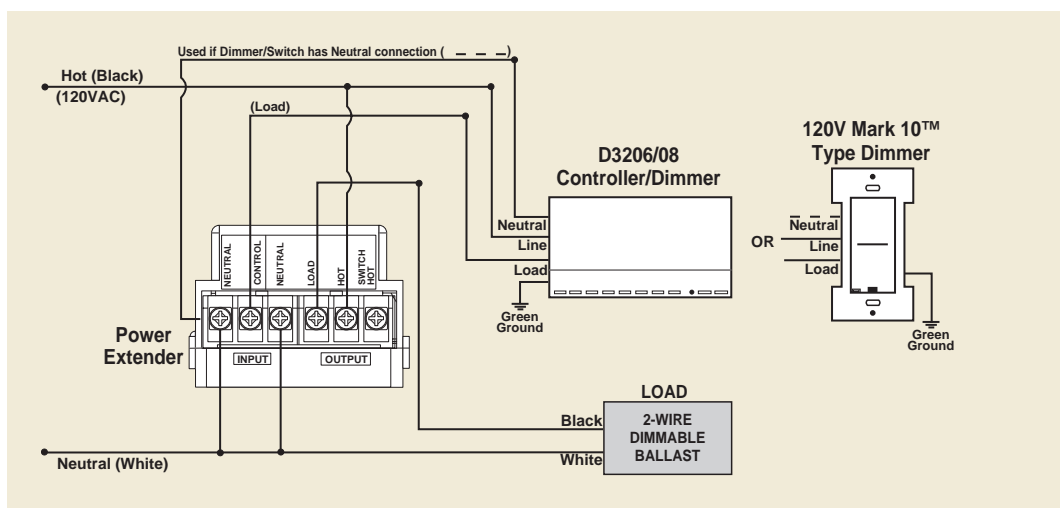
Single Feed Application with Dimmer



Note: Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breakers.

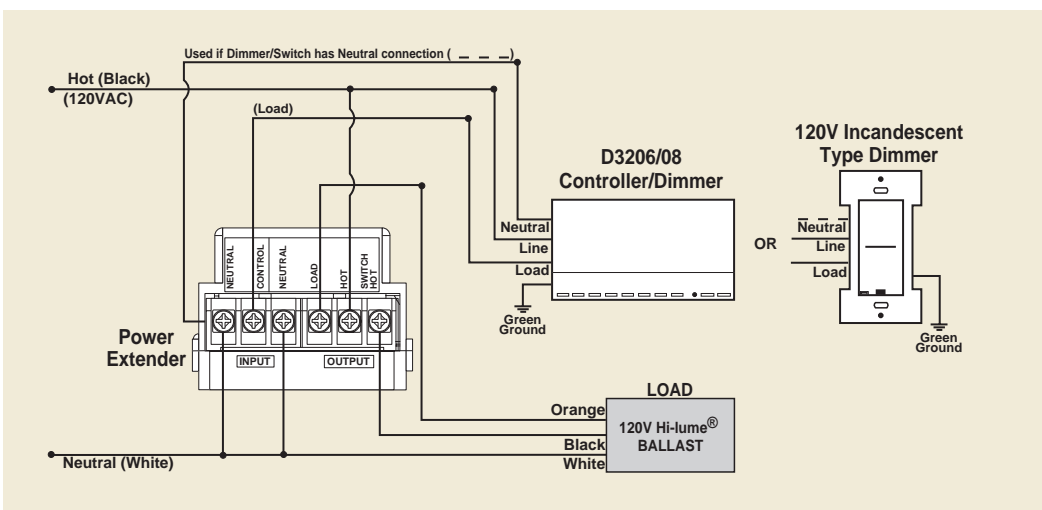
PE200

120V Single Feed Wiring Application with Advance Mark 10 Powerline™ or Lutron Tu-Wire Ballast



Note: Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breaker.

120V Single Feed Wiring Application with Hi-lume® Ballast



Note: Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breaker.

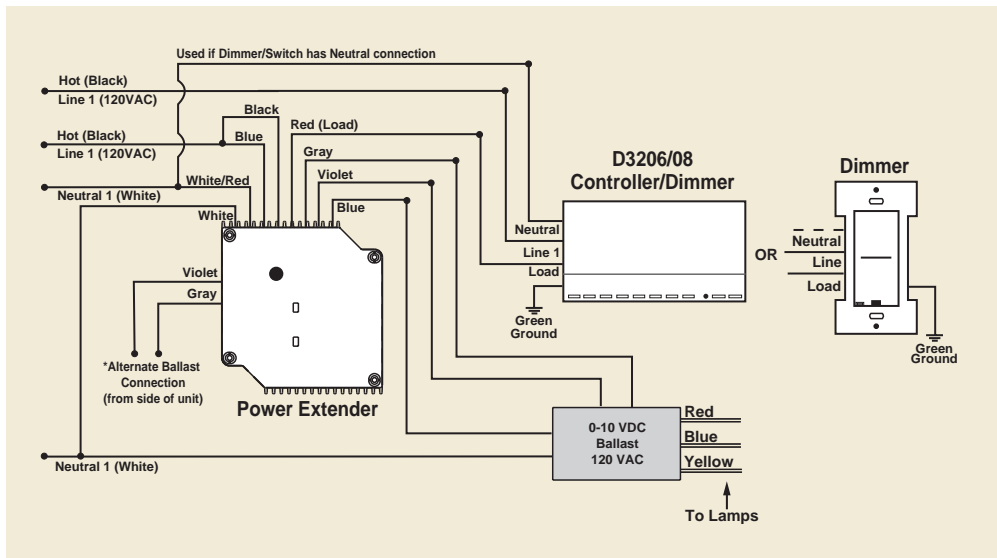
Power Extenders

Technical Information

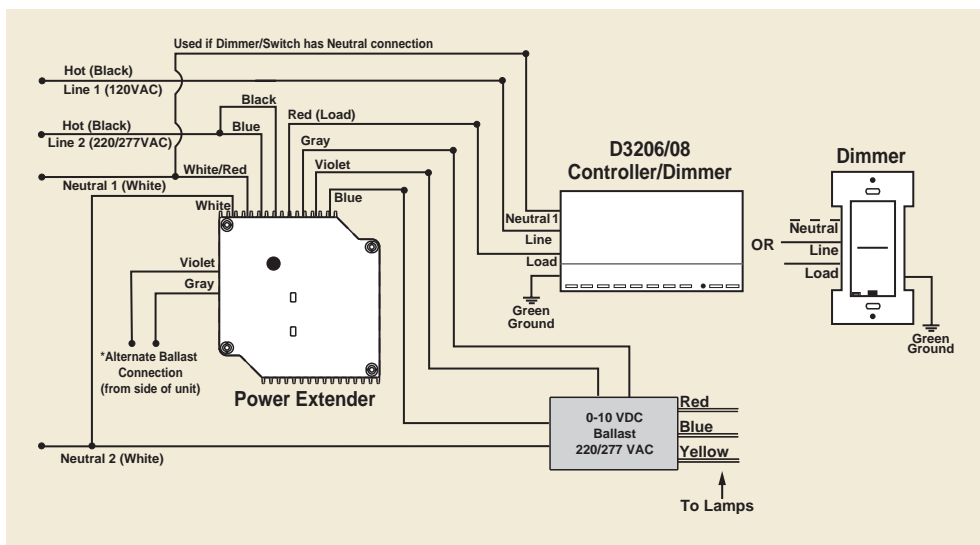


PE300

120V Wiring Application with Advance Mark 7 or Lutron 0-10V Ballast

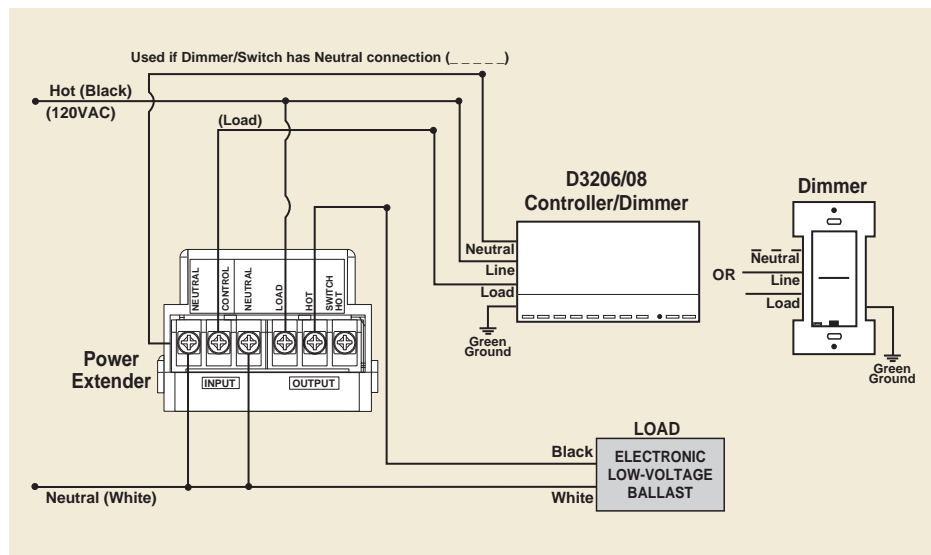


220V/277V Wiring Application with Advance Mark 7 or Lutron 0-10V Ballast



PE400

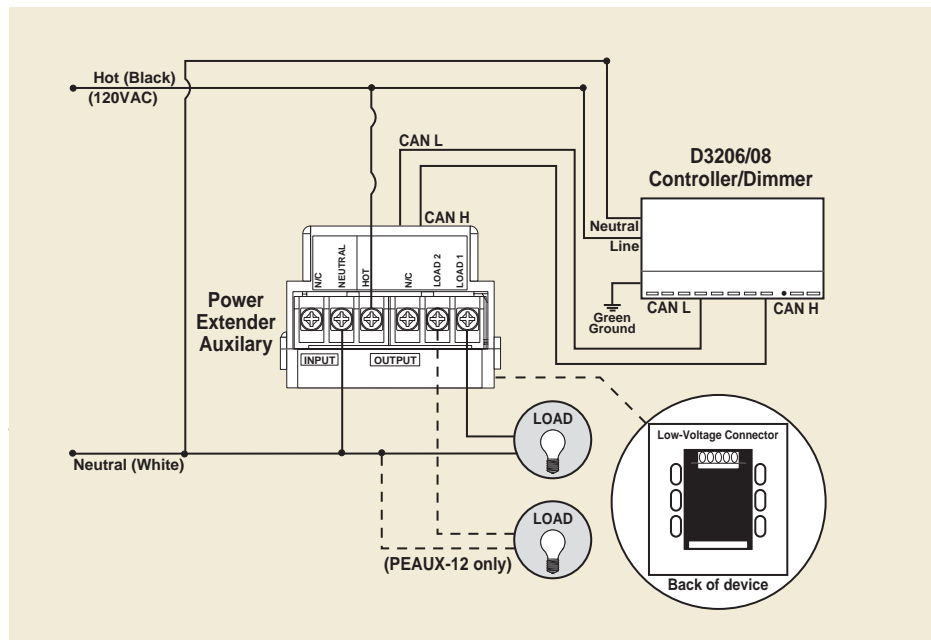
120V Single Feed Wiring Application



Note: Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breaker.

PEAUX

PEAUX 12/21W Single Feed Wiring Application with Controller



Note: Line Hot can be controlled by one circuit breaker as long as the total load does not exceed the rating of the circuit breaker.



International Lighting Controls

SECTION



Leviton's international products include dimmers and fan-speed controls, occupancy sensors, Dimensions controllers, large-scale dimming systems, and relay panels. Leviton also offers structured cabling, surge protective devices, switches, receptacles and ports, plugs and connectors, and GFCI devices suitable for use worldwide. If you are interested in learning more about our line of international products, please contact your local Leviton sales representative or e-mail international@leviton.com.

A number of Leviton's lighting control devices and systems are 220V- and 230V-rated and can be used internationally. Most of these products are covered in more depth in other sections of this book. Please refer to the page number listed in the Reference column for more details on these products.

INDIVIDUAL LIGHTING CONTROLS

Box-Mounted Incandescent Dimmers & Fan Speed Controls

DESCRIPTION	CAT. NO.	RATING	REFERENCE
Trimatron Rotary Dimmer (push on/off)	6602-220	600W, 220VAC	Page A58
American Classic Rotary Fan Speed Controller (rotary on/off)	grf01-20	600W, 220VAC	
American Classic Rotary Dimmer (rotary on/off)	gri06-20	600W, 220VAC	
American Classic Rotary Dimmer (push on/off)	gpi06-20	600W, 220VAC	
American Classic Rotary Dimmer & Switch (rotary on/off)	gsi06-20	600W, 220VAC	
American Classic Sound-Activated Switch	gdi01-20	150W, 220VAC	
American Classic Timer Switch	gmi01-20	150W, 220VAC	
Self-Contained Ceiling-Mount Infrared Occupancy Sensor and Switching Relay (360°, 530SF coverage)	odc0s-i2w	Incandescent: 1000W@ 220V. Fluorescent: 500VA @ 220V. For 50Hz AC only	Page C15

Note: The above American Classic devices are designed to fit into IEC wallboxes and feature 86mm square wallplates.



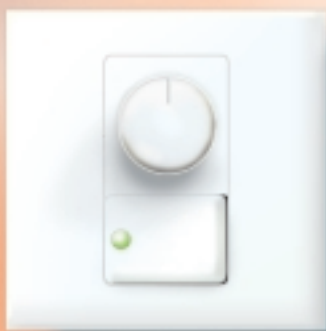
6602-220



ODC0S



GRI06



GSI06



GDI01



DMI01

International Lighting Controls

Overview



D3206



D8000 Station



24-Relay Z-MAX Cabinet

DIMENSIONS™ LIGHTING CONTROL SYSTEMS

Dimensions Lighting Controls & Accessories

DESCRIPTION	CAT. NO.	RATING	REFERENCE
D3204 Multizone Controller/Dimmer for residential and commercial spaces – Self-contained dimmer with 4 local zones and learning IR receiver for remote control. Available in 6 colors	d3204-2l	2400W/VA @ 230VAC ± 10%, 50–60Hz (800W/VA max. per zone)	Page D4
D3206 Multizone Controller/Dimmer for residential and commercial spaces – Self-contained dimmer with 6 local zones and learning IR receiver for local and remote D320X zones, in 6 colors	d3206-2l	2400W/VA @ 230VAC ± 10%, 50–60Hz (800W/VA max. per zone)	Page D4
Power Extender – Enables 1 auxiliary zone on a D3200 Controller/Dimmer for full control over incandescent, magnetic low-voltage, or neon/cold cathode lighting	peaux-auw	Input Voltage: 230VAC 50–60Hz, Load Rating: 2400W/VA total	Page H2
Power Extender – Enables 1 auxiliary zone on a D320X Controller/Dimmer for full control over Mark 7™ 0-10V, OSRAM Sylvania Quicktronic® Helios, Lutron 0-10V, or equivalent ballasts	peau7-m1w	Input Voltage: 230VAC 50/60Hz, Load Rating: 2400W/VA	Page H2
D4200 Multizone Controller for commercial spaces Controller and entry station with 8 scene buttons (16 total scenes), 32-zone max, in 2 colors	d4200-00w	12VDC input ± 2VDC	Page D16
D8000 Stations for sophisticated control of commercial spaces – Include button entry stations, LCD stations, and slider stations. System is compatible with numerous accessory stations ranging from contact/closures to A/V stations	Varied	12VDC input ± 2VDC	Page D25

Z-MAX™ RELAY PANELS

The Leviton line of timed lighting controls provides simplified scheduling of lighting and other loads in any application where a time clock would typically be used in conjunction with switching contactors. All models feature easy-to-use, menu-driven programming and configuration; a programmable timer clock and output relays in a lockable, compact housing; and several optional accessories for remote control. The line includes 24-relay and 48-relay cabinets suitable for international use with Leviton's 2-pole 20A relay card. See pages C35 through C41.

LARGE-SCALE DIMMING SYSTEMS

All i series and MDS dimming systems are compatible with our low-voltage Dimensions D4200 controllers and Dimensions D8000 stations.

i Series Dimming Racks

The Leviton i Series family of high density theatrical grade dimming racks provides unparalleled dimming performance in a very compact package. The standard of the theatrical industry, they are equally suited for applications where space and performance are considerations. The i Series e line provides features well suited to architectural lighting, and the i Series Quad offers unmatched density, packing 48 dimming channels in the space of a 24-channel cabinet. The i Series meets the needs of the most demanding theatrical applications.

DESCRIPTION	MODEL	RATING	REFERENCE
i Series – 12, 24 or 48 modules (up to 96 circuits)	i24 i48 i96	Voltage: US and international, Wattage: 1.8 to 10kW	Page F16
i Series Quad – 12 modules (4 circuits per module, 48 per cabinet)	i48 Quad	Voltage: US and international, Wattage: 1.8 or 2.4kW (4.0kW international)	Page F16
i Series e with expanded reporting functionality– 12, 24 or 48 modules (up to 96 circuits)	i24e i48e i96e	Voltage: US and , international Wattage: 1.8 to 10kW	Page F16



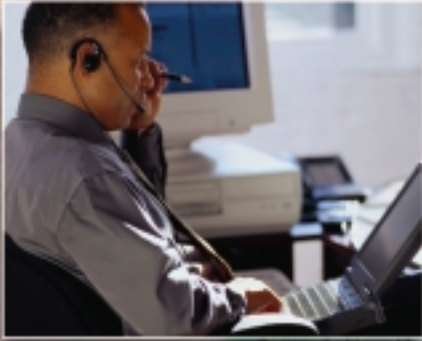
i Series

MDS Dimming Cabinets

Leviton's Modular Dimming System line offers a number of dimming configurations that Leviton can combine to create customized systems for each application, including those outside the United States. MDS dimming modules come in a variety of voltages including 120V, 220/240V, 277V and 347V. Leviton's MDS is compatible with multi-voltage feeds; fluorescent dimmer ballasts, incandescent dimmers, and non-dimming loads; main circuit breakers; and main lugs. Its unique, partitioned design allows multiple voltages to be controlled by a single cabinet. See Page F12.

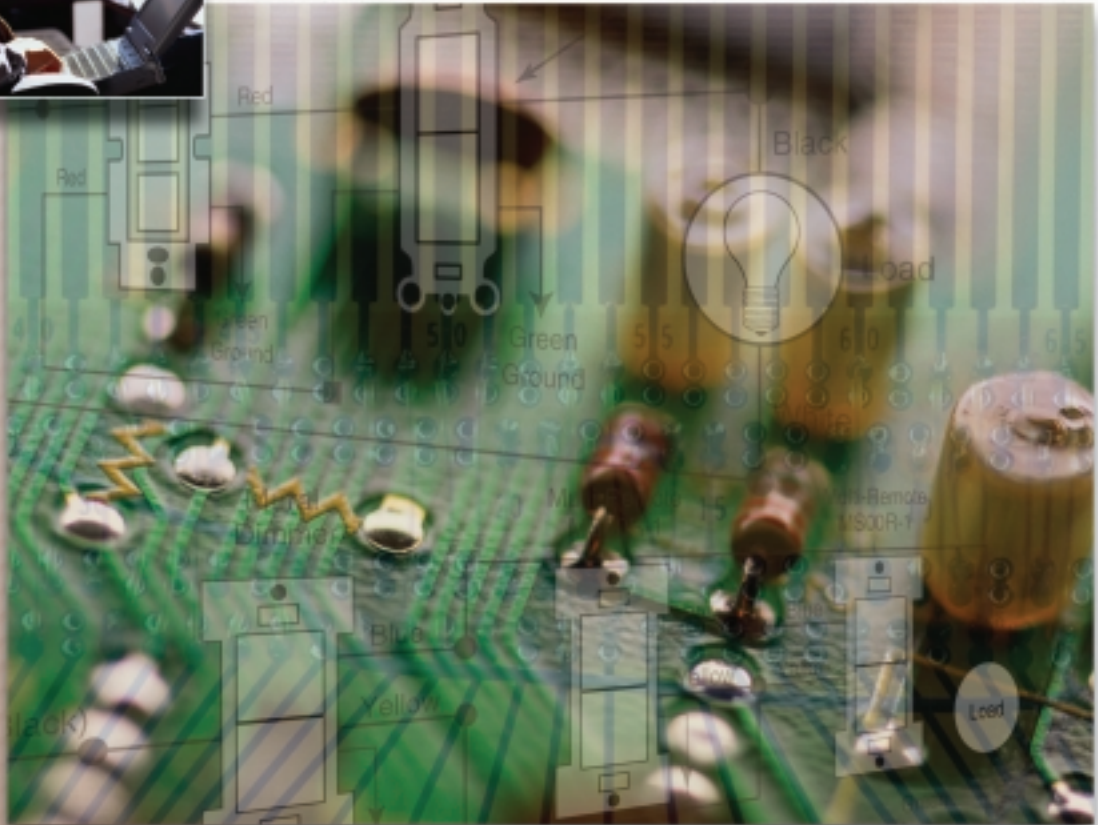


MDS Cabinets



Technology Brief

T SECTION



This section provides an overview of the technology behind, basic operating characteristics of, and installation considerations common to all lighting controls.

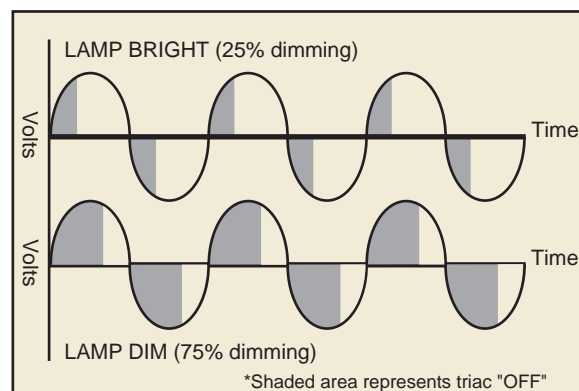
INSIDE THIS BRIEF

How Lighting Controls Operate	T1
Why Dimming is Energy Efficient	T2
Why Incandescent Dimmers Must be Used Only with Incandescent Lighting	T2
About Lighting Controls for Magnetic and Electronic Ballasts	T2
About Heat Dissipation (Ganging & Derating)	T3
Radio Frequency Interference & How to Prevent It	T3
The Advantages of Digital Lighting Control	T4
Single-Pole and 3-Way Control vs. Multi-Location Dimming	T4
Flickering on 3-Phase Systems & How to Prevent It	T5
Fan Speed Controls	T6
Scene Lighting Controls	T7
Partitioning	T8
Z-MAX™ Zero Cross Circuitry	T8

How Lighting Controls Operate

The development of the semiconductor in the 1950s led to the creation of modern box-mounted dimmers. The semiconductor used in dimmer circuits is called a triac. The triac used in lighting control circuits provides phase control. This means it regulates the supply of current to the lighting load by conducting only during a selected part of the AC power cycle. When you use a dimmer to adjust the lighting level, you are selecting the point in the cycle where the triac turns on. If the dimmer is at a bright setting, the triac turns on early in the cycle; the triac turns on later at a dim setting. This is known as full-range dimming. With 60 cycles per second, the human eye does not detect any fluctuations in the lighting.

Think of a triac as a type of electrically controlled on/off switch. *The Lamp Dim/Bright figure* shows how a triac controls the alternating current (AC) power delivered to a lighting load. If the triac turns on early in the cycle, picture the switch as being on for most of the cycle. In this state almost full power is delivered to the load (LAMP BRIGHT in illustration). On the other hand, if the triac turns on later in the cycle the switch is on for less of the cycle so it delivers relatively little power (LAMP DIM in illustration).

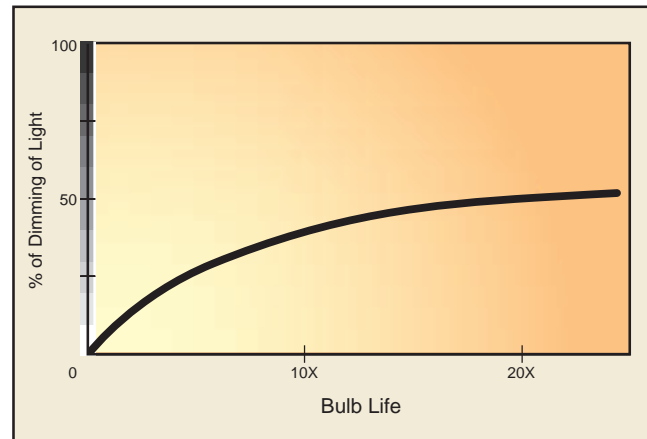
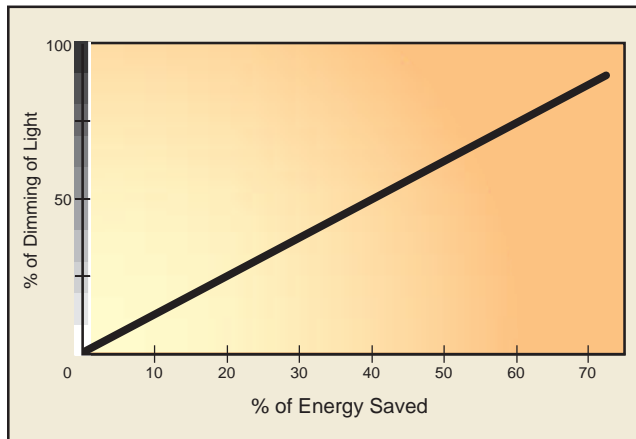


A common misconception is that a box-mounted lighting control is a type of variable resistor called a rheostat that absorbs power from lights in order to dim them. Imagine dimming a 500-watt lighting load to half-brightness via a rheostat. In order to absorb this much energy the rheostat would have to be much too large to fit in a wallbox and, in addition, the heat buildup would create a serious fire hazard. Although theaters did use large rheostats and variable transformers for dimming in the early days of electric lighting, these devices were too large, inefficient, expensive, and dangerous for home use.

Lighting Control Technology Brief

Why Dimming is Energy Efficient

As described earlier, the basic lighting control (dimmer) circuit essentially shuts off power for a user-selected portion of the AC power curve to achieve the desired brightness level. Because the power is off for part of this cycle, less electricity is used. A typical dimmer can provide substantial energy savings (for example, 20% savings with 25% dimming) by reducing power to the lighting load. In particular, Leviton dimmers produce a slightly lower high-end output than do standard switches, and thus they result in extra electricity savings and extended bulb life (for example, 4 times at 25% dimming).



Why Incandescent Dimmers Must be Used Only with Incandescent Lighting



Incandescent dimmers cannot be used with fluorescent or low-voltage lighting—or with motor loads. The reason is related to the fact that triacs turn on during only a portion of the AC cycle and therefore produce an asymmetrical “chopped” output. Although this irregular wave does not affect incandescent lamps, inductive loads may not work or can become damaged. For this reason, an incandescent dimmer must never be used to control a ceiling fan or any ballast in a fluorescent or low voltage lighting system. (Dimmers designed for magnetic low voltage may be used with incandescent loads.) Also, a dimmer should never control a receptacle because a motor load could be plugged into it. (Magnetic ballasts, transformers and motors are all inductive loads because they consist of wire wrapped in a coil-like configuration and have distinct electrical properties.)

About Lighting Controls for Magnetic and Electronic Ballasts



There are two basic types of dimming ballasts: magnetic and electronic. Magnetic dimming ballasts are step-down transformers that are essentially an inductive load. Electronic dimming ballasts utilize internal circuitry and are not strictly inductive.



Dimmers designed for fluorescent and low-voltage light systems are rated for specific magnetic or electronic ballasts. These dimmers have unique circuit characteristics that are compatible with each type of ballast. When a manufacturer indicates its dimmer is intended for use with a certain type of electronic ballast, do not use the dimmer with any other type of ballast. For example, dimmers designated for use with electronic low voltage loads should only be used with electronic low voltage fixtures due to their distinct electrical characteristics.

TRANSFORMER EFFICIENCY

The capacity of a magnetic low-voltage dimmer is its VA rating. If a wattage rating is also listed (as in this book), it is merely an estimate of the lamp wattage that can be placed on a UL-approved magnetic low-voltage transformer without exceeding the dimmer's VA rating. (This is, in turn, based on an estimate of transformer efficiency.)

power to transformer		transformer efficiency		lamp load
1000VA	X	80%	=	800W
600VA	X	75%	=	450W

About Heat Dissipation

In service, it is normal for dimmers to feel warm to the touch: it is completely acceptable as long as the temperatures remain within the limits established by UL and the manufacturer. A more detailed explanation follows.

The main sources of heat in a dimmer are the triac and, to a lesser extent, the choke coil that cuts down on radio interference (*see section on RFI*). The triac requires voltage to perform its switching function. In a 600-watt dimmer, the triac dissipates about 6 watts at full-load current. This puts the dimmer's efficiency at better than 99%. Nonetheless the dimmer gets as warm as a small night-light bulb. Both low- and high-watt dimmers are engineered to minimize heat buildup. High-wattage dimmers (800 to 2000 watts) are constructed with metallic fins to help cool the triac and dissipate heat from within the device; smaller dimmers use the metal mounting strap for the same purpose. Both these mechanisms represent an integral part of the dimmer's design and they are expected to become warm when the dimmer is operating normally. Mounting wall controls vertically will help to diffuse the heat and protect the components.

Underwriter's Laboratories (UL) has specified limiting parameters for this type of heat buildup. The average dimmer operates at approximately 140°F; UL allows a maximum temperature of 195°F. When dimmers are ganged together, each dimmer's load must be derated to offset the resulting heat build-up from the presence of several units in the same wallbox.

GANGING & DERATING

Ganging is a practice where two or more lighting controls are mounted side-by-side using the required number of connected wallboxes. Because ganging may require the removal of part of the fins (on architectural dimmers) or the mounting strap that help dissipate heat from within the device, removing a portion of the fins or strap for ganging purposes will require derating the dimmers to prevent them from overheating. This catalog provides derating charts for all, applicable box-mounted lighting controls at the end of each sub-section.

Radio Frequency Interference & How to Prevent It

Power switching circuits (such as those operating dimmers) are capable of generating electrical noise called radio frequency interference (RFI), which may be radiated or conducted directly from a dimmer through an AC power line. AM radios are the most susceptible to noise, yet sensitive audio equipment, microphone cables, public address systems and intercoms may also be affected.

Exactly what creates RFI? Instead of a smooth rise in power, the current goes instantaneously from zero to whatever the load current level is at the moment the triac is triggered on. This is called a current step and it occurs every half cycle. The current step creates an electromagnetic field. Although the fundamental frequency of AC line current is 60Hz, its harmonics extend well past the AM radio frequency band-creating radio frequency interference.

Leviton's high-quality dimmers feature built-in RFI filters with a choke coil and capacitor-filtering network that eliminate most of the noise. Dimmers rated up to 600 watts use a bar coil filter, while dimmers in the 800- to 2000-watt range contain a toroidal filter that is more effective with higher power loads.

Additionally, some common sense precautions can prevent RFI:

- Do not place sensitive equipment directly near dimmer installations.
- Do not run microphone and audio cables parallel to dimmer wiring.
- Place dimmer on a separate circuit from audio equipment.
- Use low-impedance microphone cables and shielded audio cables.
- Buy an in-line filter for your audio equipment.
- Properly ground all equipment.
- For incandescent loads, use an electronic low-voltage dimmer.

Lighting Control Technology Brief

The Advantages of Digital Lighting Control

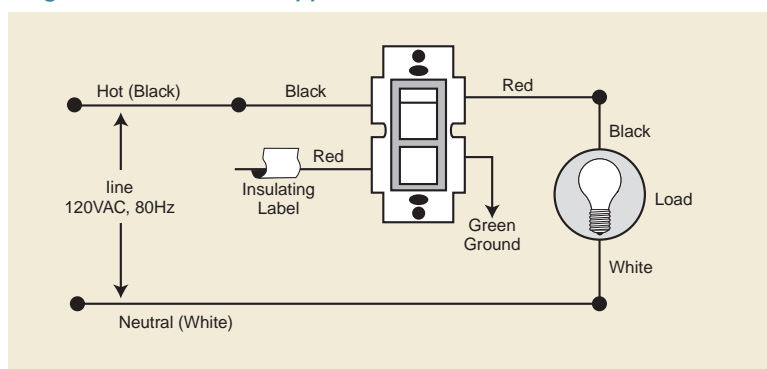
Digital lighting controls utilize built-in microprocessors to enhance dimmer performance. Digital circuitry provides myriad benefits including:

- Soft-on/fade-off switching where lights gradually rise to the selected brightness level when turned on and gently fade off when switched off—easy on the eyes, especially with large, bright lighting loads
- Prolonged lamp life by avoiding excessive in-rush current
- Mechanisms can be designed so that a soft, easy motion can control lighting—enabling lighting controls to be easily operated by people of all ages and abilities

Single-Pole and 3-Way Control vs. Multi-Location Dimming

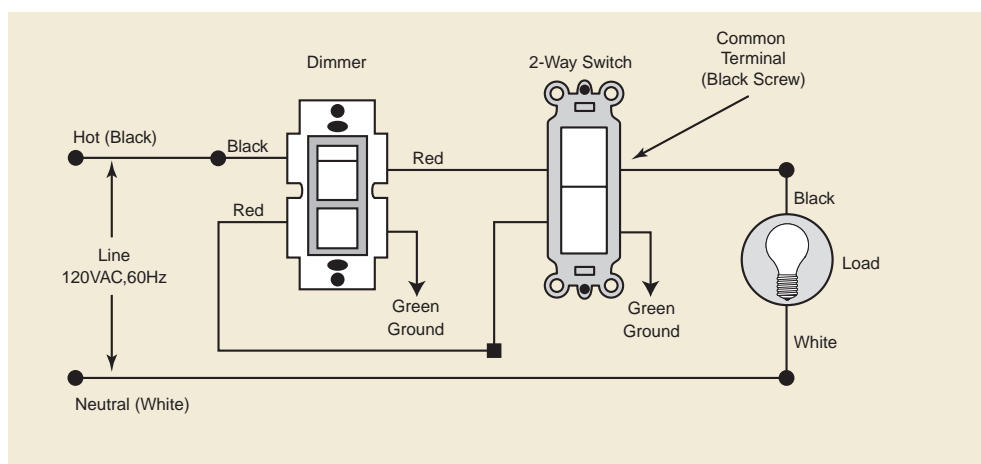
Single-pole lighting control replaces a single-pole switch and provides on/off switching and dim/bright control from one location (*see diagram*).

Single-Location Control Application



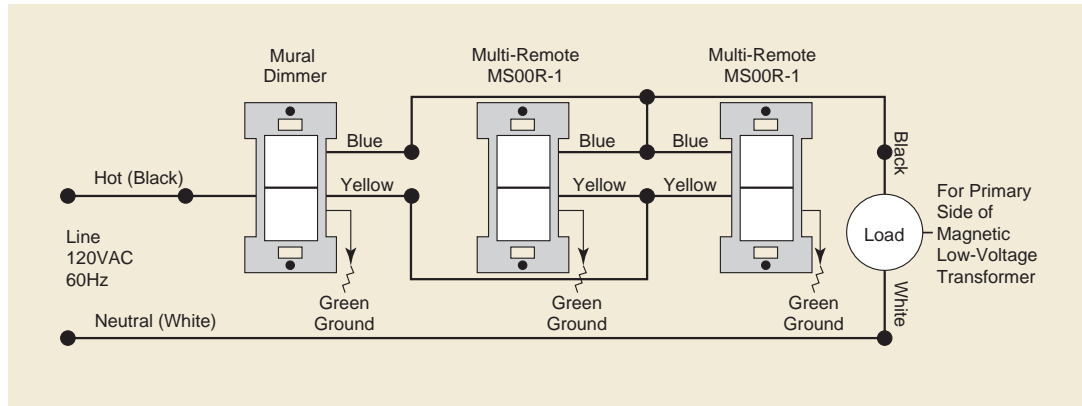
Three-way dimmers can be used in a three-way circuit where a lighting load is controlled from two locations. Traditional three-way dimmers are not used in pairs. Instead, one three-way dimmer and one three-way switch are installed and dimming is only possible from one location (*see diagram*).

Two-Location Control Application



With multi-location dimming, full range dimming and on/off control are available at every location. This diagram shows a digital Leviton Mural™ dimmer with remote capability connected to two multi-remote units. Not only is on/off switching and full-range three-way dimming possible, but also four-way (and higher) control is achieved by simply adding multi-remote units.

Multi-Location Remote Dimming

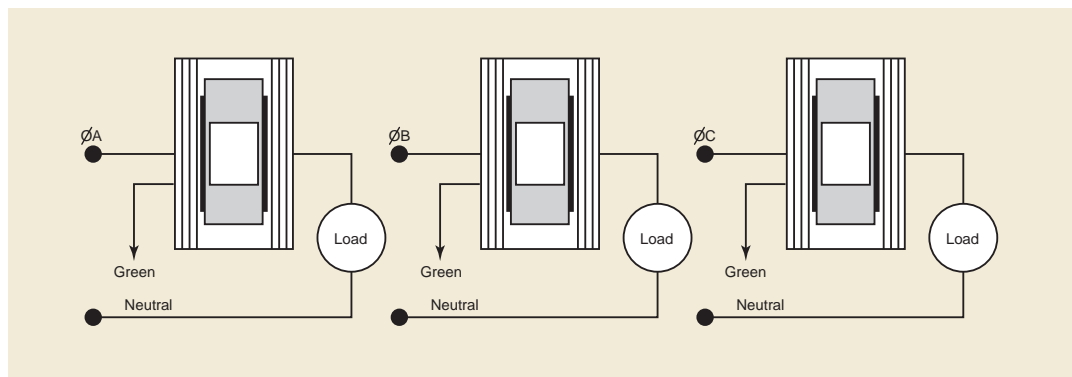


Note: Digital lighting controls are polarity sensitive. When used in conventional three-way and four-way wiring circuits, the control must be properly connected to the load. Always follow the wiring instructions included with your device.

Flickering on 3-Phase Systems & How to Prevent It

Three-phase wiring systems typically found in commercial facilities where one neutral wire is common to all three phases can present problems for dimmers. Several things may happen when dimmers are installed on more than one phase: the lights being controlled may flicker, lights may flash to full brightness at certain settings, or lights may dim or brighten on their own when a dimmer on another phase is adjusted. This happens because the neutral wire is common to all phases and this allows the dimmers to electrically interact with each other. While manufacturers utilize internal components to help minimize three-phase interaction, experiments reveal that flickering may occur with any dimmer in such an installation. The best solution is to run separate neutrals for each circuit.

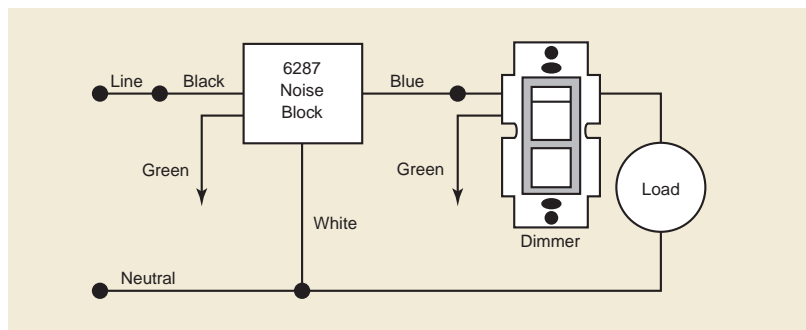
Optimal Solution



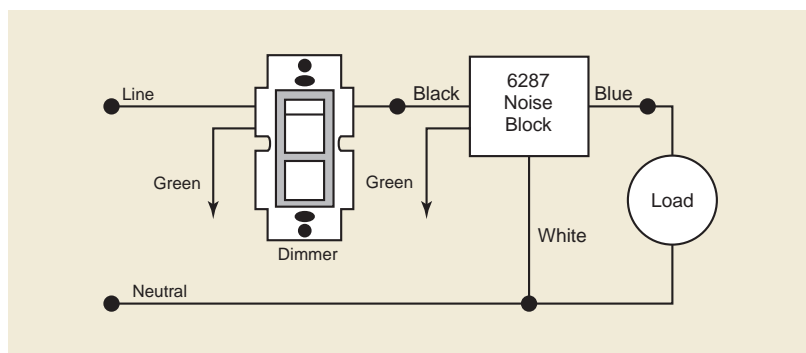
Lighting Control Technology Brief

Installing Leviton's 5-Amp Cat. No. 6287 Noise Block on either the line or load side of the dimmer will help eliminate dimmer interaction. Note: Use one 6287 per dimmer.

Leviton Noise Block Solution **Line** Side Installation



Leviton Noise Block Solution **Load** Side Installation



Fan Speed Controls

IN GENERAL

Unlike incandescent dimmers that should never be used to control electric motors (as detailed in *Why Incandescent Dimmers Must Only be Used with Incandescent Lighting*), fan speed controls feature additional circuit components to compensate for irregularities in the AC waveform. Fan speed controls should be used only with specified AC motors, because most AC motors are not suitable for triac control. (For example, some AC motors are designed to run at specific speeds and introducing speed control would damage the motor by causing it to overwork to maintain its speed. Other motors run synchronized to 60Hz, and therefore triac phase control would be ineffective.) Leviton fan speed controls are designed for use with split-capacitor or shaded-pole motors only. Underwriters Laboratories has established a listing category so that fan speed controls are marked FOR USE WITH CEILING FANS ONLY. Always follow closely the wiring instructions included with fan speed controllers as well as any specifications provided by the fan manufacturer.

FULL-RANGE VS. QUIET FAN SPEED CONTROLS

There are two basic types of fan speed controls: full-range (also called variable) and quiet. Full-range fan speed controls generate a slight motor noise that may be distracting in quiet environments such as libraries, home offices and bedrooms. This noise is not a brand-specific problem but one that is characteristic of all fan speed controls. One way around this is to install a "Quiet"

fan speed control. These devices do not use phase control so there are no “chopped” waveforms to create a buzzing or humming. Quiet fan speed controls have a lower load rating than triac-based fan speed controls. They are not 100% variable and always provide preset or “stepped” speed levels. Quiet fan speed controls are ideal for residential ceiling paddle fans.

CHARACTERISTIC	FULL RANGE (VARIABLE)	QUIET
SPEED CONTROL	Full control allows adjustment to exact speed desired	Limited speed increments (e.g., low, medium, high)
NOISE	Some buzzing/humming during operation, especially at low speeds	Significantly less buzzing/humming

LOW-SPEED TRIM ADJUSTMENT

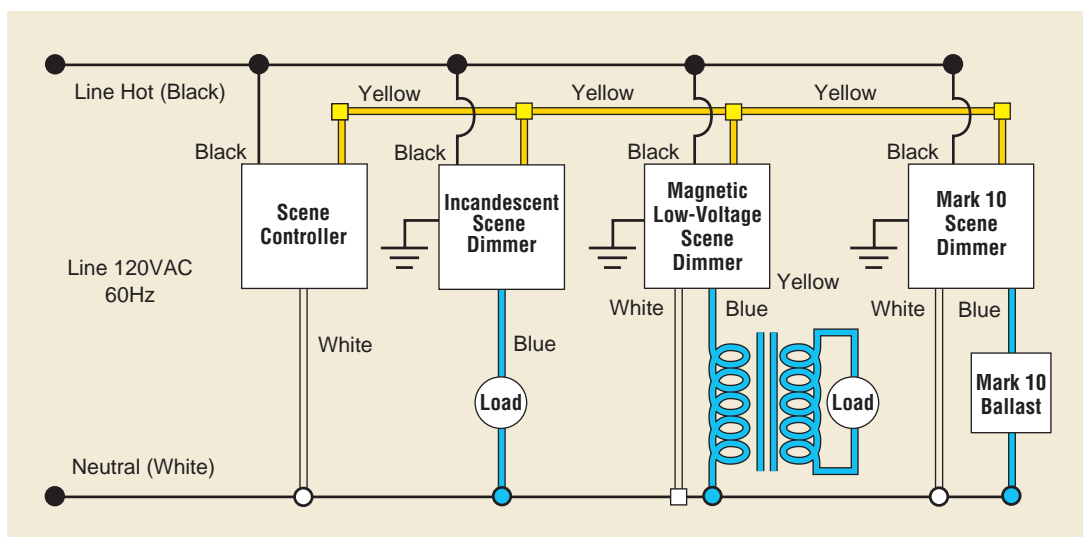
A fan speed control should never stall a ceiling fan at the low-end setting because this can result in burnout of the motor. The low end of the control must be “trimmed” to ensure that the fan will rotate even at the slowest setting. Some fan speed controls are pre-trimmed at the factory while other models require manual trim adjustment during installation.

Scene Lighting Controls

Scene capable dimmers and controllers provide an unparalleled opportunity for lighting design specialists to create innovative lighting schemes in commercial and residential applications. For a scene lighting control system using Leviton Mural, a scene-capable dimmer must be used in conjunction with a scene controller. With Dimensions D3200, the controller features an integral dimmer. Additional loads can be added to lighting scenes at any time as well as additional scene controllers where and when needed—for virtually limitless accessibility. Systems can be further customized with enhancement products such as a handheld infrared remote controller for roving control.

The *diagram below* illustrates how individual scene dimmers control various lighting loads. By touching any one of the seven scene buttons on the scene controller, all dimmers will simultaneously adjust their loads to user-predefined levels.

Scene Dimmers Controlling Various Lighting Loads



Lighting Control Technology Brief

Partitioning

Some systems can combine and separate lighting controls to accommodate the raising and lowering of room partitions. They all provide temporary and simultaneous control of multiple zones of lighting or motor loads. This allows lighting controls, once controllers are programmed, to transition seamlessly to any room configuration no matter which partitions are up or down. Without this feature, for example, a person might have to walk to several different lighting controls in the same space, instead of controlling all lights at once. Leviton systems with partitioning include Dimensions and other Leviton architectural systems wired to low-voltage networks.

ALL PARTITIONS UP

All lighting controls control all lights within entire space.



Controller Location

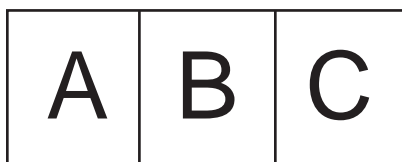
D320X-A
NE505-A
D320X-B
NE505-B
D320X-C
NE505-C

Area Controlled

A+B+C
A+B+C
A+B+C
A+B+C
A+B+C
A+B+C

ALL PARTITIONS DOWN

Lighting controls in each room control only the lights in that room.



Controller Location

D320X-A
NE505-A
D320X-B
NE505-B
D320X-C
NE505-C

Area Controlled

A
A
B
B
C
C

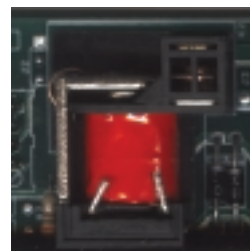
Z-MAX Zero Cross Circuitry

UL safety standards require that a relay under continuous duty and full load have an electrical life cycle of at least 6,000 switching cycles. The key obstacle to a relay's longevity is contact pitting due to the arcing that normally accompanies inrush current during switching. This problem is most prevalent when switching modern electronic ballasts that can generate a current inrush as high as 29 times their standard load. Leviton relays are specifically tested for use with electronic ballasts.

Electronic Ballast Switching



without Z-MAX™



with Z-MAX™

The proprietary Z-Max™ circuit in Leviton's standard 120-277V, 20A, single-pole relay card provides circuitry capable of switching under full load conditions at the zero crossing with true zero current. The result is true air-gap switching with zero current leakage that completely eliminates arc shower pitting at the contacts. This extends the electrical life of the relay to match its rated mechanical life of 10,000,000 switching cycles.

CAT. NO.	PAGE NO.	CAT. NO.	PAGE NO.	CAT. NO.	PAGE NO.
A15Dx	F3, F5	DMSIR	E12–E14	MDM06	A31, A32
A15Hx	F3, F5	DPSII	E9, E10	MDM10	A31, A32
A2000	F6	DRKOR	A31, A32, A43	MDS	F12
A20Dx	F3, F5	DRKDD	A31, A32	MN00C	A35, A36
A20Hx	F3, F5	DRKDD-1L	A33, A34	MN00R	A13, A15
A2277	F3, F5	Encore	G2	MNOLA	A13, A15
A2B1B	F3, F4	ENTRY	E11	MNOSA	A13, A15
A2B1L	F3, F4	INFOx	A53	MNE04	A13, A14
A2B3B	F3, F4	INIO6	A53	MNF07	A13, A14
A2B3L	F3, F4	INI10	A53	MNF10	A13, A14
A2D1B	F3, F4	INKIT	A53	MNI06	A13, A14
A2D1L	F3, F4	INM06	A53	MNI1x	A13, A14
A2D3B	F3, F4	INM10	A53	MNKOR	A13, A15
A2D3L	F3, F4	Innovator	G1	MNKIT	A13, A15
A2D3L-4	F3, F4	INQFK	A53	MNM06	A13, A14
A2D3L-8	F3, F5	IP710	A51, A52	MNM1x	A13, A14
A2Kxx	F6	IPE04	A51, A52	MNS20	A13, A15
A2Rxx	F6	IPFOx	A51, A52	MNX1x	A13, A14
AC00R	A5, A6	IPI06	A51, A52	MNX20	A13, A14
AC64x	B14	IPI10	A51, A52	MNX30	A13, A14
ACE0x	A5, A6	IPKIT	A52	MRC-AS	E4, E5, E7, E11, E15
ACF01	A5, A6	IPM06	A51, A52	MRC-JS	E4, E5, E7, E11, E15
ACH08	A5, A6	IPM10	A51, A52	MS00R	A31, A32, A42, A43
ACIO6	A5, A6	IPP0R	C14	MSE0R	A31, A32
ACMxx	A5, A6	IPP15	C13–C15	NE100	C7, D8, D9
ACW14	A7, B14	IPQFK	A52	NE200	C5, C6
ACWMx	A7, B14	IPX06	A51, A52	NE210	D6, D7
ACWPx	A7, B14	IPX1x	A51, A52	NE505	D6, D7
ACX10	A5, A6	IRRCR	E12, E14	NE515	D6, D7
CN100	C3, C4	KB01x	D28, D29	NE600	D8, D9
CN200	C5, C6	KB02x	D28, D29	ODC0P	C3, C4
CN22x	C5, C6	KB03x	D28, D29	ODC0S	C17
CP	E3–E5	KB05x	D28, D29	ODCCG	C17–C20
D320x	D4, D5	KB10x	D28, D29	ODS0D	C13–C15
D32CK	D5, D12	KB15x	D28, D29	ODS1x	C13–C15
D4200	D16	KIFCx	D30	OPB15	C16
D42CK	D16	KIRRx	D30	OPT-40001	F20, 22
D42CS	D19	KLCDx	D25	OSA20	C23
D42ET	D17, D18	KLCK1	D30	OSCxx-I	C20
D42IR-RxW	D20	KS03x	D26, D27	OSCxx-M	C18
D42IR-xxL	C39, D20, D30	KS06x	D26, D27	OSCxx-U	C19
D42Lx	D17, D18	KS09x	D26, D27	OSFOA	C16
D42MO	D17, D18	KS12x	D26, D27	OSFHU	C16
D42Px	D17, D18	KS15x	D26, D27	OSP15	C23
D42RL	D17, D18	LVS	C38	OSP20	C23
D42SQ	D17, D18	MAC-205	E15	OSS10	C13–C15
DCI	F13	MCM06	A33, A34	OSSMT	C13–C15
DCK05	D6, D7, D12	MCM10	A33, A34	OSSNL	C13–C15
DCKS7	A35, A36	MCX10	A33, A34	OSW12	C21
DCMSD	D20, D30	MDE03	A31, A32	OSWHB	C22
DCOUT	D20, D30	MDF01	A31, A32	OSWLR	C22
DMS08	E13, E14	MDI06	A31, A32	OSWWW	C22
DMS16	E13, E14	MDI10	A31, A32	PE100	D9, H2

Catalog Number Index

CAT. NO.	PAGE NO.	CAT. NO.	PAGE NO.	CAT. NO.	PAGE NO.
PE200	.D9, H2	VZ0SR	.A29, A30	6215M	.C31
PE300	.D9, H2	VZE04	.A29, A30	6230M	.C31
PE400	.D9, H2	VZE06	.A29, A30	6250-3	.A59, A60
PEAU7	.D9, H2	VZF01	.A29, A30	6260M	.C31
PEAUX	.D9, H2	VZH06	.A29, A30	6512H	.C31
PJ1	.B11	VZH08	.A29, A30	6515M	.C31
PJ2	.B11	VZI06	.A29, A30	6530M	.C31
PJ26	.B6	VZKIT	.A29, A30	6560M	.C31
PJ26x	.B6	VZM06	.A29, A30	6602	.A57, A58
PJ3	.B11	VZM10	.A29, A30	6611	.A55, A56
PJ4	.B11	VZS15	.A29, A30	6613	.A55, A56
PR150	.C13-C15	VZX10	.A29, A30	6615	.A55, A56
PR180	.C13-C15	VZX12	.A29, A30	6616	.A57, A58
PRE-4	.E11	ZMDSW	.C38	6630	.A55, A56
PS110	.C24	4-001x	.F20, 21	6631	.A55, A56
PS200	.C24	4-002x	.F20, 21	6633	.A55, A56
R08BD	.C37	4-003x	.F20, 22	6637	.A55, A56
R08ND	.C37	4-005x	.F20, 21	6639	.A57, A58
R24MD	.C37	4-006x	.F20, 21	6668	.A55, A56
R24MF	.C37	4-007x	.F20, 21	7111x	.A16, A17
R24SD	.C37	4-0099	.F20, 21	7151x	.A16, A17
R24SF	.C37	4-011x	.F16, F17	8030x	.B3
R48MD	.C37	4-011xE	.F18, F19	8031x	.B3
R48MF	.C37	4-012x	.F16, F17	8032x	.B3
R48SD	.C37	4-012xE	.F18, F19	8040x-N	.B4
R48SF	.C37	4-013x	.F16, F17	8041x	.B5
RAC00	.C39	4-013xE	.F18, F19	8041x-N	.B4
RELAY	.C39	4-015x	.F16, F17	8050x	.B11
RPI06	.A54	4-015xE	.F18, F19	8051x	.B11
RS110	.C24	4-016x	.F16, F17	8060x	.B6
RTD01	.A54	4-016xE	.F18, F19	8061x	.B6
RTF01	.A54	4-017x	.F16, F17	8070x	.B9
SO26	.B7	4-017xE	.F18, F19	8071x	.B9
SO26x	.B7	4-03xx	.F20, 22	8101x	.B9
Status	.G3	4-10xx	.F20, 21	8140x	.B4
TBI03	.A59, A60	4-11xx	.F18, F19	8141x	.B4
TGI06	.A46	177BI	.A35, A36	8201x	.B10
TGI10	.A46	177IR	.A35, A36	8260x	.B7
TGM10	.A46	177RC	.A35, A36	8300x	.B9
TPI06	.A42, A43	662x	.A55, A56	8301x	.B9
TPI10	.A42, A43	664x	.A61	8340x	.B4
TPM06	.A42, A43	665x	.C32	8400x	.B9
TPM10	.A42, A43	668x	.A57, A58	8401x	.B9
TPX06	.A42, A43	669x	.A61	8410x	.B12
TPX10	.A42, A43	911	.A59, A60	8411x	.B12
TT00R	.A44, A45	1420	.A59, A60	8440x	.B4
TTI06	.A44, A45	1901	.B9	8500x	.B10
TTI10	.A44, A45	1909	.B9	8501x	.B10
TTKIT	.A44, A45	6124H	.C32	8510x	.B12
TTKTR	.A44, A45	6151	.A59, A60	8600x	.B10
TTM10	.A44, A45	6161	.A59, A60	8601x	.B10
Two Bay	.G5	6197	.B7	8610x	.B12
VZ00R	.A29, A30	6212H	.C31	8660x	.B7

CAT. NO.	PAGE NO.	CAT. NO.	PAGE NO.	CAT. NO.	PAGE NO.
8700x	.B10	80423	.B5	82009	.B10
8701x	.B10	80423-N	.B4	82023	.B10
8800x	.B10	80436	.B5	82036	.B10
8801x	.B10	80436-N	.B4	83411	.B4
8810x	.B12	80723	.B9	84023	.B9
8860x	.B7	80736	.B9	84036	.B9
17100	.A35, A36	80800	.A16, A17	84411	.B4
26115	.A57, A58	80827	.A16, A17	84423	.B4
26666-3x	.A16, A17	81000	.A16, A17	84436	.B4
60001	.A18, A19	81001	.B9	85023	.B10
60800	.A18, A19	81009	.B9	85036	.B10
61000	.A18, A19	81023	.B9	85111	.B12
61500	.A18, A19	81036	.B9	86023	.B10
62000	.A18, A19	81127	.A16, A17	86036	.B10
80400	.A57, A58, B7	81423	.B4	86111	.B12
80401	.B5	81500	.A16, A17	88023	.B10
80407	.B5	81527	.A16, A17	88036	.B10
80408	.B5	82000	.A16, A17	88111	.B12
80409	.B5	82001	.B10		

Mark 10™ and Mark 7™ are trademarks of Advance Transformer Company. Hi-Lume® and Eco-10™ are trademarks of the Lutron Electronic Co., Inc. Helios™ is a trademark of OSRAM SYLVANIA Inc. Quicktronic® is a registered trademark of OSRAM GmbH. Triad® Ballastar® and SuperDim® are registered trademarks of Universal Lighting Technologies. Pentium® is a registered trademark of Intel Corporation or its subsidiaries in the United States and other countries. MechoShade® is a registered trademark of MechoShade Systems, Inc. Wiremold® is a registered trademark of The Wiremold Company. Philips Marathon™ is a trademark of Philips Lighting Company.

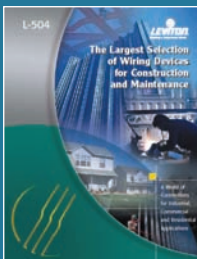
Permission is granted for reproduction of this material for the purpose of preparing specifications and bids in which Leviton lighting controls and fan-speed controls are indicated. In addition, brief reproductions of selections from this work may appear for purposes of quotation in reviews by technical publications or periodicals, along with appropriate references to source. Apart from these uses, all other quotation, reference, or copying by any means of the material in this document is strictly forbidden without the express written consent of the Leviton Manufacturing Co., Inc.

Because Leviton engages in a continuous program of product improvement, specifications and product selection are subject to change without notice.

©2007 Leviton Manufacturing Company, Inc. All rights reserved.

Leviton's Complete Line of Catalogs

Leviton Wiring Devices



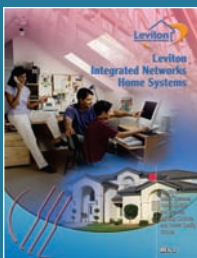
This catalog contains a comprehensive selection of Leviton products for Industrial, Commercial and Residential construction and maintenance, including switches, receptacles, plugs and connectors, wire mesh safety grips, lighting controls, surge protective devices (TVSS), wallplates, communications premise wiring products and more.

Power Quality Products



Virtually every facility has micro-processor-driven electronic equipment that is vulnerable to the disruptive and damaging effects of transient voltage surges, voltage sags and power outages. Leviton offers a full line of surge protective devices and Uninterruptible Power Supplies (UPS) to help protect this equipment.

Leviton Integrated Networks Home Systems



Leviton Integrated Networks' Structured Media™ systems and components make it easy for homeowners to take full advantage of the latest communication and entertainment technologies. Includes systems for home control, security, lighting control, power quality and special needs groups.

Decora Home Controls Technical Manual



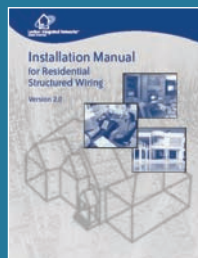
A complete guide to Decora Home Controls (DHC) powerline carrier components for scene lighting and automated control of lighting and appliances throughout the home. Includes wiring diagrams, technical information and suggested applications.

Decora Collection of Designer Devices



A comprehensive look at the Decora collection of designer-styled switches, receptacles, wallplates, lighting controls, voice, data, video and audio devices, and Decora Home Controls. These devices combine sleek design with advanced technology to provide an elegant finishing touch in any interior.

Structured Wiring Installation Manual



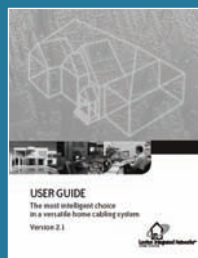
In-depth descriptions of industry standards, warranties, installer certification, ordinances, tools, job planning, system design and installation techniques for residential structured wiring.

Night and Day Designer Color Collection



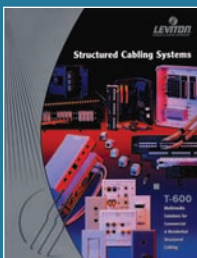
The most complete collection of residential and commercial Almond and Black colored wiring devices available from a single source. Includes electronic and communications devices.

Home Cabling User Guide



A user guide to structured wiring components and applications. Features suggestions and tips for the placement of TVs, audio/video components, computers, telephones and other devices that utilize structured wiring. Also includes a glossary and Frequently Asked Questions section.

Structured Cabling Systems



Leviton offers a wide range of structured cabling/structured media products for any type of home or office project, new or retrofit. Includes everything from multimedia connectors to cable management to fiber optic panels and more.

Industrial Wiring Devices



From Leviton's Industrial Products Division, a complete source of industrial wiring devices for industrial, institutional, commercial and OEM applications. Includes detailed product specifications, dimensional drawings and technical information.

**FOR MORE INFORMATION ABOUT OTHER LEVITON PRODUCTS,
PLEASE CALL OUR CUSTOMER SERVICE AT 1-800-323-8920**



Leviton Manufacturing Co., Inc.

59-25 Little Neck Parkway, Little Neck, NY 11362-2591

Telephone: 1-800-323-8920 • FAX: 1-800-832-9538

Tech Line (8:30AM–7:30PM E.S.T. Monday–Friday): 1-800-824-3005

Leviton Manufacturing Co., Inc.

P.O. Box 2210

Tualatin, Oregon 97062

Phone: (503) 404-5500 • Fax: (503) 404-5600 • Info Line: (800) 996-2276

Technical Support (8:30AM-7:30PM E.S.T. Monday-Friday): (800) 864-2502

Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9

Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Visit Leviton's Website at: www.leviton.com

