

“ The Kele staff has always gone the extra mile to help me get what we need in time and at a fair price. First-class customer service! ”



ACCESS CONTROL



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Trion
Access Control
Software
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MODEL/SERIES

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DESCRIPTION

Trion is an open, web-based access control system that allows you to manage and monitor your facility anytime, anywhere. Built on Tridium's NiagaraAX Framework®, **Trion** integrates with building automation systems, enabling the BAS to control lighting, HVAC equipment, and other building systems in response to access events and alarm conditions.

FEATURES

- *Web-based access control appliance*
- *Connectivity to any facility system via BACnet, LonWorks, Modbus, and oBIX*
- *Seamlessly integrates to HVAC, lighting, and energy management applications*
- *IT connectivity via XML, oBIX, SNMP and HTTP*
- *Integrated management of access control, alarm monitoring, intrusion detection and credential database*
- *Pre-defined custom reports on screen or exported*
- *Ability to view cameras from user interface*
- *Custom graphic floor plans and equipment display*
- *Intuitive guided setup wizard*
- *User-definable Wiegand card formats*
- *Elevator control*
- *Intrusion detection*
- *Access zone (advanced occupancy restrictions)*
- *Seamless integration with Kele AUTOPHOS lighting control system*



APPLICATION

- *Access Control*
- *Lighting*
- *Integrates with HVAC controls, energy management, and equipment monitoring*

SPECIFICATIONS

Supply Voltage	90-263 VAC, 50/60 Hz, 15 VDC power supply module, 30W	Jace 6	Power PC 440 524 MHz processor 256 MB SDRAM & 128 MB serial flash, battery backup, real-time clock
Communication	2 Ethernet ports—10/100 Mbps 1 RS232 port (9-pin D-shell connector) 1 RS485 (6-pin screw terminal)	Operating Temperature	32° to 122°F (0° to 50°C)
Operating System	QNX RTOS (QNX operating system) IBM J9 JVM (Java Virtual Machine) NiagaraAX	Operating Humidity	5 to 95% (non-condensing)
Platform		Dimensions	6.71"W x 4.00"H (17.06 x 10.16 cm)
Jace 2	Power PC 405EP 250 MHz processor 128 MB SDRAM & 64 MB serial flash, battery backup, real-time clock	Weight	2 lbs (0.91 kg)
		Approvals	FCC part 15 Class A, CE, UL-294 (see installation requirements), UL File# BP10344,
		RoHS Statement	Yes
		Warranty	18 months

HARDWARE CAPACITIES

Model	Card Readers	Supervised Inputs	Relay Outputs	Digital Inputs
T-JACE-201 (K-SEC-J-201)	2	6	4	3
T-JACE-601 (K-SEC-J-601)	2	6	4	3
Reader Module (K-SEC-R2R)	2	4	2	2
I/O Module (K-SEC-RIO)	—	8	8	2



ACCESS CONTROL

TRION ACCESS CONTROL SYSTEM K-SEC SERIES

1

ACCESS CONTROL

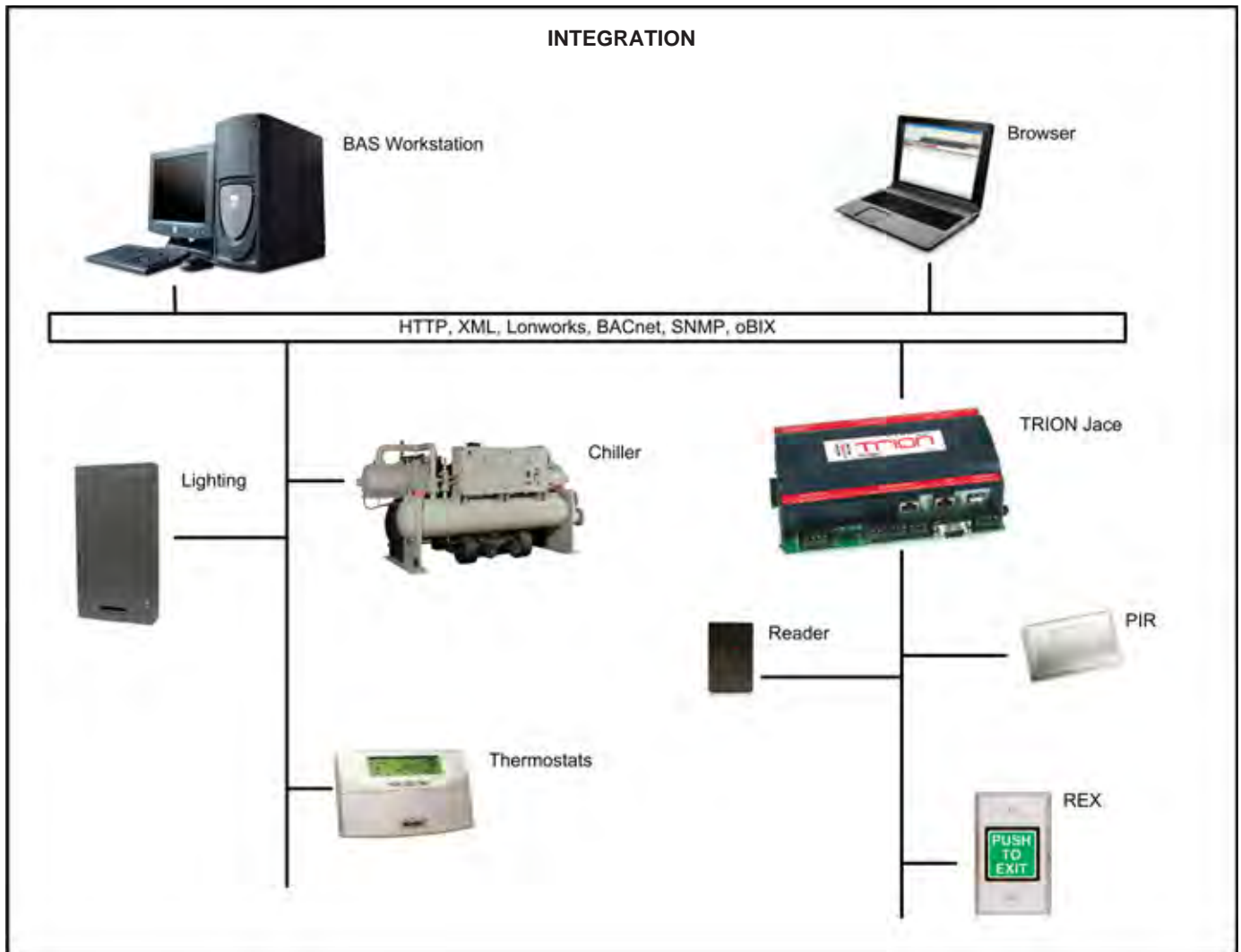
RESOURCE CAPACITIES

	K-SEC-J-201	K-SEC-J-061
Reader Modules	Up to 7	Up to 15 ¹
I/O Modules	Up to 8	Up to 15 ¹
Total Readers	16	32 ²
Intrusion Arming Keypad	Up to 2	Up to 6
Total I/O	64/64	120 ² /120 ²
Personnel Records	5,000	20,000
History Records	10,000	50,000

NOTES:

1. Maximum of 15 modules (combined reader and I/O) per K-SEC-J-601.
2. Up to 32 readers or 120 I/O points, depending on module combination.

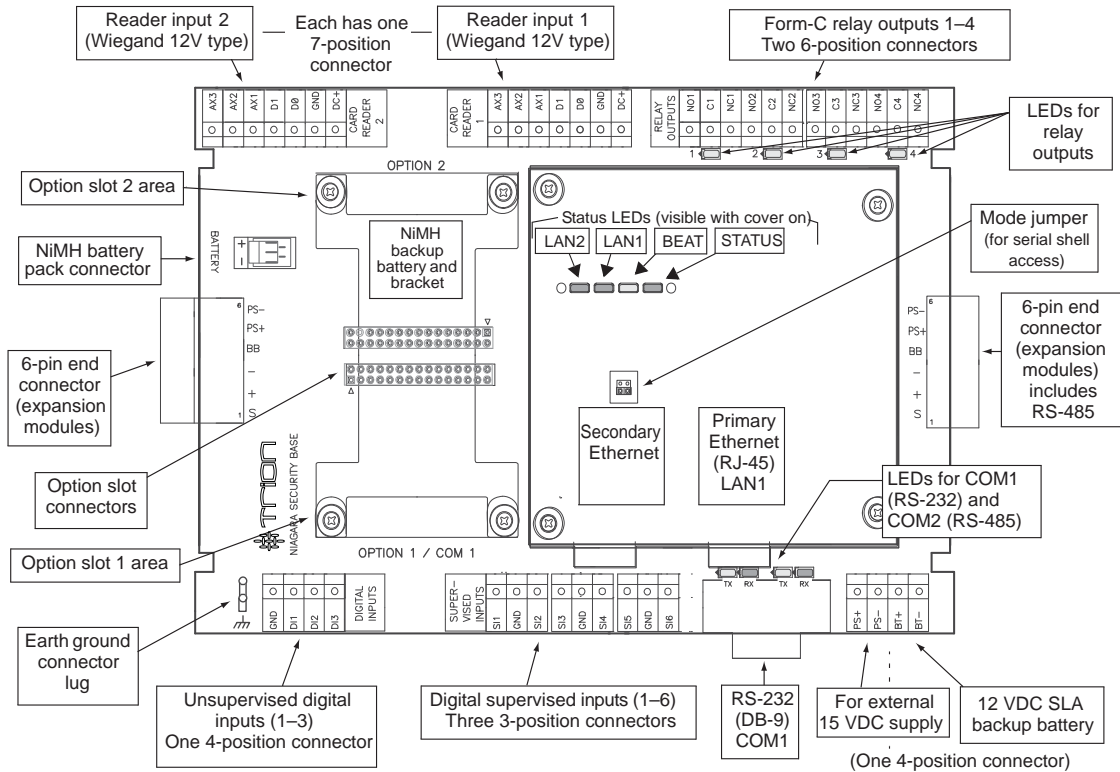
INTEGRATION



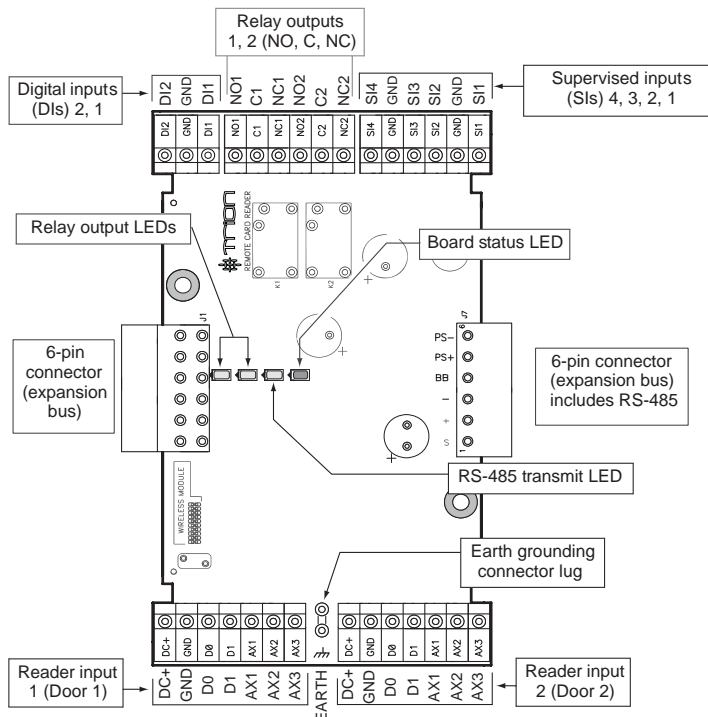
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K-SEC-J-201 AND K-SEC-J-601 LAYOUT

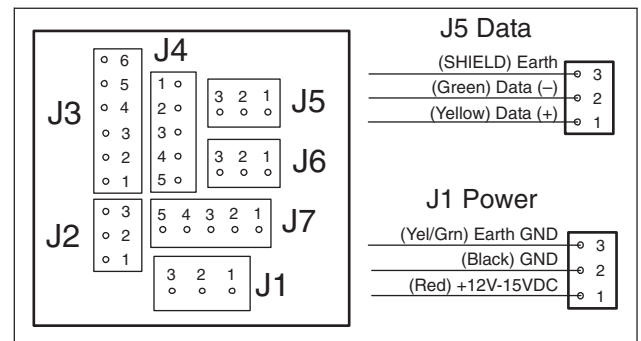


K-SEC-R2R AND K-SEC-INT-KP LAYOUT



K-SEC-R2R

Connector Detail, Rear of K-SEC-INT-KP





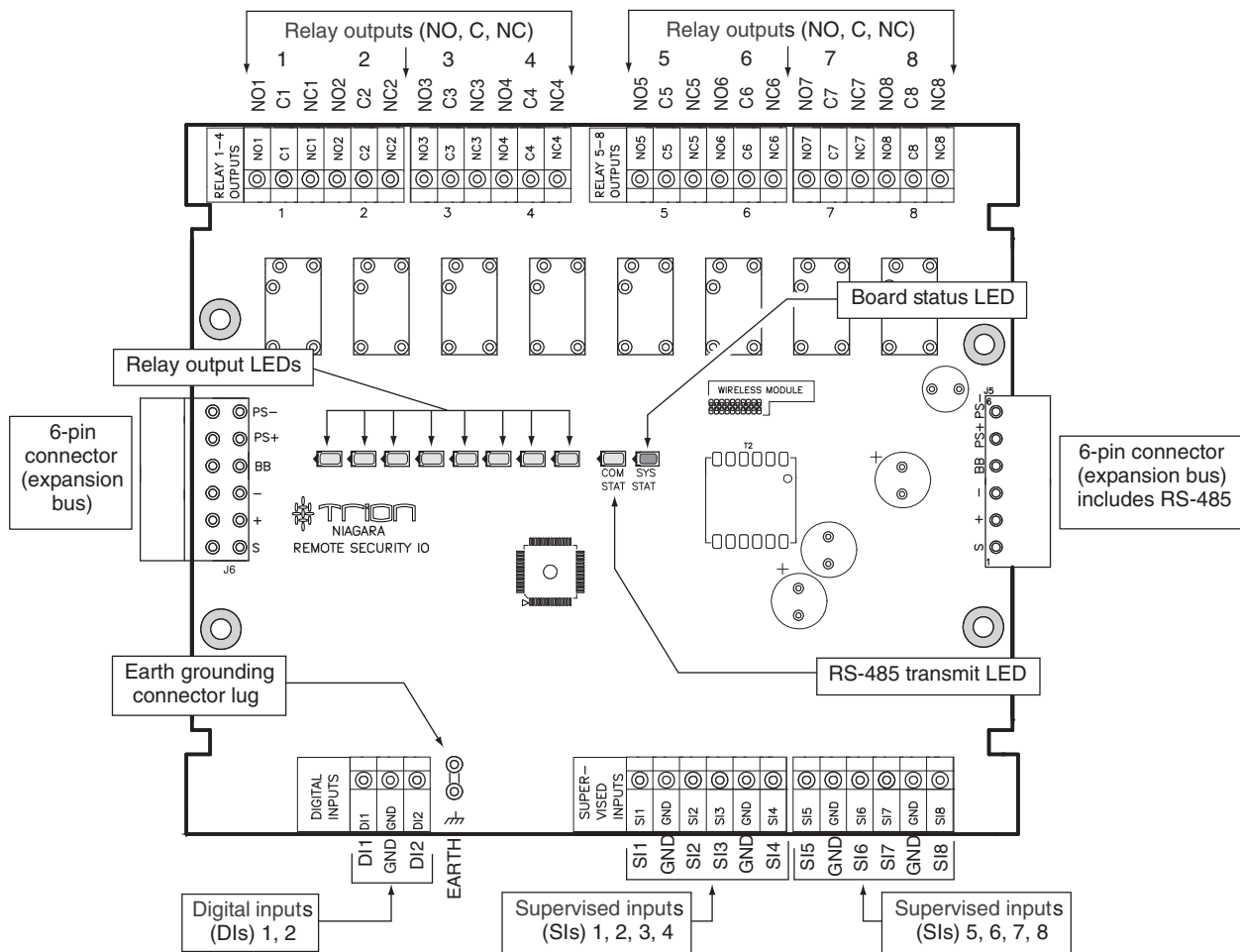
ACCESS CONTROL

TRION ACCESS CONTROL SYSTEM K-SEC SERIES

1

ACCESS CONTROL

K-SEC-RIO LAYOUT



ORDERING INFORMATION

MODEL K-SEC-J-201

DESCRIPTION

Includes connections for 2 card readers, 6 supervised inputs, 4 Form C relay outputs, and 3 digital inputs. Includes 128 MB RAM/64 MB flash, 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots.

K-SEC-J-601

Same as K-SEC-J-201 except: Includes 256 MB RAM/128 MB flash, 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots.

K-NPB-PWR-UN

Universal 90 to 263 VAC in, 15 VDC out, 30W power supply.

K-SEC-R2R

Card reader module, 2 card readers, 4 supervised Inputs, 2 Form C relay outputs, and 2 digital inputs.

K-SEC-RIO

I/O module, 8 supervised inputs, 8 Form C relay outputs, and 2 digital inputs

K-NPB-2X-485

Trion 485 communications card

K-NPB-LON

Trion LON communications card

K-SEC-INT-KP

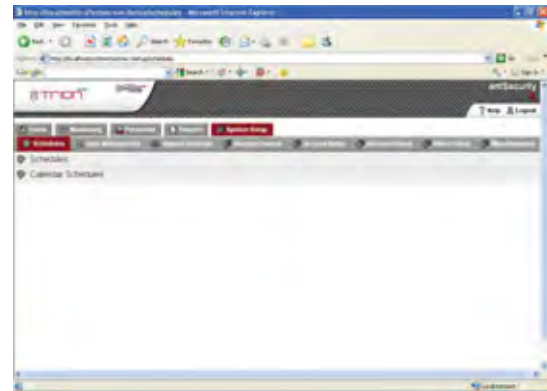
LCD display and keypad for arming and disarming intrusion zones.



TRION ENTERPRISE ACCESS CONTROL SYSTEM SOFTWARE TRION ACCESS CONTROL SOFTWARE

DESCRIPTION

Trion Enterprise Access Software is a comprehensive security management solution, built on a truly open, IP based platform. Developed using the Niagara AX Framework®, the **Trion Enterprise Access Software** provides unparalleled interoperability. It seamlessly integrates access control, CCTV, and intrusion detection with lighting, HVAC, energy management, and equipment monitoring.



FEATURES

- **Truly open solution-connectivity via oBIX, BACnet, SNMP, Modbus, and other non-proprietary protocols**
- **Supports database connectivity to MS SQL Server 2003 and MySQL**
- **Common GUI experience regardless of manufacturer or protocol**
- **Centrally managed card holder and credential database**
- **Integrated video solution with interfaces to many leading video manufacturers**
- **Multiple access cards per person**
- **Quick access to video playback related to individual alarm events**
- **Comprehensive occupancy restriction rules through access zone functionality**
- **Supervisor rule enforcement**
- **Occupancy counting**
- **Scheduled unlock on first validation**
- **Elevator control**
- **Live credential enrollment from any card reader**

SPECIFICATIONS

Maximum Number Of	Enterprise Server	K-SEC-J-601	K-SEC-J-201
Personnel	1,000,000	20,000	5,000
Card Readers	10,000	32	16
Access Rights	25,000	250	100
Schedules	25,000	100	25
Access Zones	25,000	50	10
Intrusion Zones	N/A	25	5
Intrusion Keypads	N/A	6	2
Online Historical Records	25,000,000	50,000	10,000
Simultaneous System Users	25	10	5
Area Controllers	500	N/A	N/A

MINIMUM SERVER REQUIREMENTS

Component	1 to 100 Controllers	101+ Controllers
Processor	Pentium IV @ 2GHz	Core 2 Duo 2 GHz
Memory	4 GB	8 GB
Disk Capacity	250 GB	500 GB
Operating System	Windows XP	Windows XP 64 or Linux 64

ADDITIONAL SPECIFICATIONS

Supported Databases	MySQL, MS SQL Server 2003 or higher
Certified Web Browsers	IE 6.0, Firefox 2.0
Java VM Version	1.5.0 or higher



ACCESS CONTROL

TRION ENTERPRISE ACCESS CONTROL SYSTEM SOFTWARE *TRION ACCESS CONTROL SOFTWARE*

ORDERING INFORMATION

MODEL	DESCRIPTION
K-SEC-ENT	Security AX Supervisor bundled part. Includes enterprise security application with 32 reader license, security AX Supervisor, and both MySQL and MS SQL Server database drivers. Supervisor limited to security JACEs and drivers only and cannot be licensed for BAS JACE connections or drivers. Platform for systems up to 100 security JACEs. Includes OBIX client/server driver for connecting to Niagara based controllers only.
K-SEC-ENT-64	Large system Security AX Supervisor bundled part. Includes enterprise security application with 32 reader license, security AX Supervisor, and both MySQL and MS SQL Server database drivers. Supervisor limited to security JACEs and drivers only and cannot be licensed for BAS JACE connections or drivers. Platform for systems up to 500 security JACEs. Includes OBIX client/server driver for connecting to Niagara based controllers only.
K-SEC-SBS	Security AX Small Building Supervisor bundled part. Includes enterprise security application with 32 reader license, security AX Supervisor, and both MySQL and MS SQL Server database drivers. Supervisor limited to security JACEs and drivers only and can not be licensed for BAS JACE connections or drivers. SBS limited to max of 6 security JACE connections and 64 readers. Includes OBIX client/server driver for connecting to Niagara based controllers only.
K-SEC-SBS-U	Security SBS upgrade. Removes 64 reader and 6 JACE connection limits. Supervisor requires additional reader licenses to expand system capacity.
K-SEC-TRAINING	One seat of Enterprise Security Training (travel expenses not included)
K-SEC-WP-AX	Trion Security version of Workplace AX.
K-SEC-R-16	Expands enterprise security license by 16 readers.
K-SEC-R-64	Expands enterprise security license by 64 readers.
K-SEC-R-256	Expands enterprise security license by 256 readers.
K-SEC-R-1024	Expands enterprise security license by 1024 readers.



125 KHZ PROXIMITY CARD READER 5355AGK00, 5355AGN00



1

ACCESS CONTROL

DESCRIPTION

The **5355AGK00** and **5355AGN00** proximity card readers' weatherproof design and architecturally attractive enclosure allow easy mounting indoors or out. The ProxPro Reader is ideal for applications requiring a larger read range.

SPECIFICATIONS

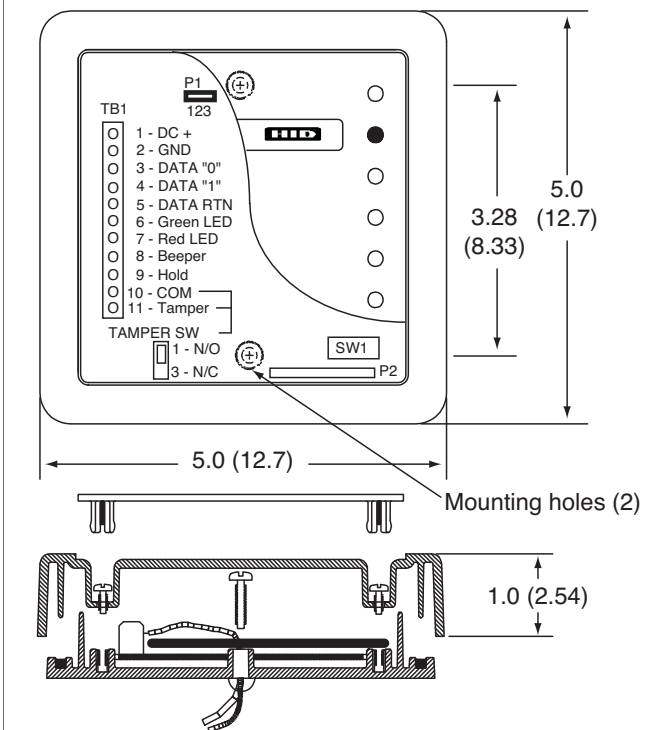
Supply Voltage	10 - 28.5 VDC
Supply Current	100 mA at 12 VDC, 120 mA at 24 VDC
Excite Frequency	125 kHz
Read Range	
ProxCard® II Card	up to 8" (20 cm)
ISOProx® II Card	up to 7" (17.5 cm)
DuoProx® II Card	up to 7" (17.5 cm)
Smart ISOProx® II Card	up to 7" (17.5 cm)
Smart DuoProx® II Card	up to 7" (17.5 cm)
HID Proximity & MIFARE® Card	up to 7" (17.5 cm)
ProxCard® Plus Card	up to 3" (7.5 cm)
ProxKey® II Keyfob	up to 3" (7.5 cm)
MicroProx® Tag	up to 4" (10.2 cm)
ProxPass® Active Vehicle Tag	N/A
Operating Temperature	-22° to 150°F (-30° to 65°C)
Operating Humidity	0 to 95% RH (non-condensing)
Materials Of Construction	Polycarbonate UL 94
Dimensions	5.0"H x 5.0"W x 1.0"D (12.7 x 12.7 x 2.54 cm)
Weight	0.75 lb (0.34 kg)
Approvals	UL 294 file #BP6568 Listed: Access Control System Units FCC Certification, United States, Canada Certification CE Mark, Fifteen EU Countries under the R&TTE Directive (EN60950 - ITE Electrical Safety, EN 300 330 - SRD, and ETS 300 683 - EMC) IEC60950, ITE CB Scheme Electrical Safety Australia C-Tick Mark, New Zealand EMC, China Taiwan (5355 only) LIT5355DS 10/05
Warranty	1 year



5355AGK00



WIRING



ORDERING INFORMATION

MODEL
5355AGN00
5355AGK00

DESCRIPTION
HID Proxpro Wiegand reader gray
HID Proxpro Wiegand reader with keypad gray



ACCESS CONTROL

125 KHZ PROXIMITY CARD READER 5365EGP00

1

DESCRIPTION

The **MiniProx** proximity card reader's potted electronics and slim, attractive design are ideal for indoor and outdoor mounting.

FEATURES

- *Allows easy upgrade from magstripe to a proximity reader; no rewiring or pulling of new cable required*
- *Offers high reliability, consistent read-range and low power consumption in an easy-to-install package*
- *Mounts directly onto metal with no change in read range performance*
- *Provides multicolor LED, compatibility with all standard access control systems and internal or host control of LED and beeper*

ACCESS CONTROL



5365EGP00



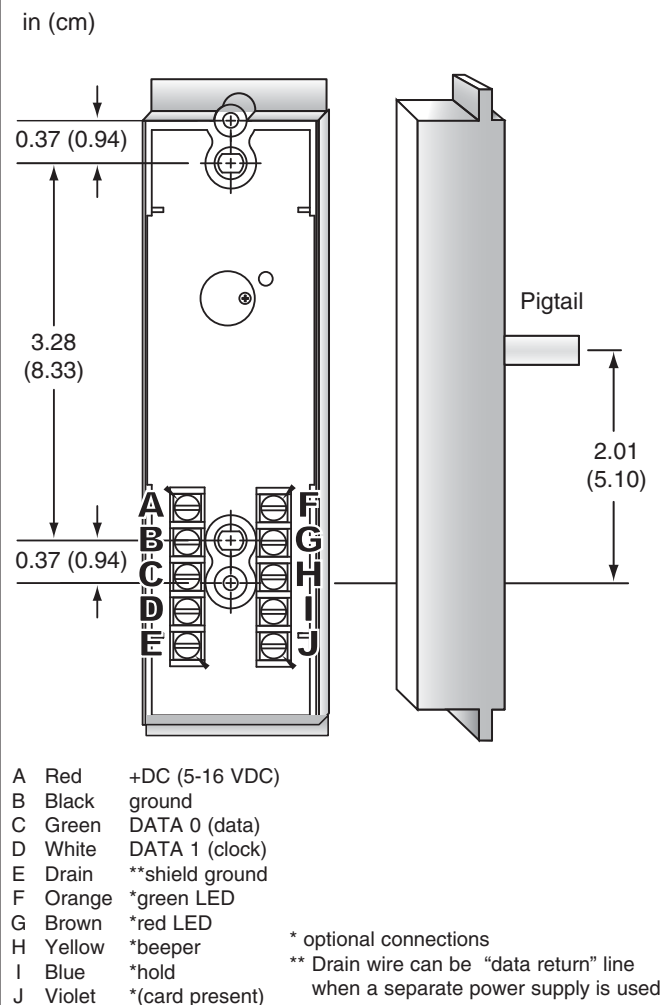
SPECIFICATIONS

Supply Voltage	5 - 16 VDC
Supply Current	30 mA @ 5 VDC, 20mA @ 12VDC
Excite Frequency	125 kHz
Read Range	
ProxCard® II Card	up to 5.5" (14 cm)
ISOProx® II Card	up to 5" (12.5 cm)
DuoProx® II Card	up to 5" (12.5 cm)
ProxKey™ II Keyfob	up to 2" (5 cm)
ProxCard Plus™ Card	
up to 2" (5 cm)	
Smart ISO/DuoProx™ Cards	up to 5" (12.5 cm)
Proximity & MIFARE™ Card	up to 5" (12.5 cm)
Operating Temperature	-22° to 150°F (-30° to 65°C)
Operating Humidity	0 to 95% RH (non-condensing)
Materials Of Construction	Polycarbonate UL 94
Dimensions	6.0"H x 1.7"W x 1.0"D (15.2 x 4.3 x 2.54 cm)
Weight	0.23 lb (0.10 kg)
Approvals	UL 294 file #BP6568 Listed: Access Control System Units Canada/UL 1604 Listed (with Haz. Loc. junction box only): Hazardous Locations Class I, Div. 2, Groups A,B,C,D. FCC Certification, United States Canada Certification EU and CB Scheme Electrical Safety (EN60950 and IEC60950 ITE Electrical Safety) Fifteen EU Countries under the R&TTE Directive (EN 300 330 - SRD, and ETS 300 683 - EMC) CE Mark Australia C-Tick New Zealand LIT5365DS 11/01, supersedes 3/01
Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
5365EGP00	Proximity reader gray

WIRING



ACCESS CONTROL



125 KHZ LONG RANGE PROXIMITY CARD READER 5375AGN00



1

ACCESS CONTROL

DESCRIPTION

HID's **5375AGN00 MaxiProx®** reader is ideal for installations incorporating parking control and long read range applications. The reader packages all the electronics in one rugged, attractive and easy-to-install housing.

FEATURES

- **Long read range distance (up to 8' with ProxiPass)**
- **Autotune allows read range to be maintained within four inches of metal**
- **Wiegand, Clock-and-Data, and selectable serial outputs available**
- **"Parking Hold" feature allows connection to a loop detector to ensure accurate detection of vehicles in parking lanes**
- **Compatible with all HID cards and tags with formats up to 85 bits**



5375AGN00



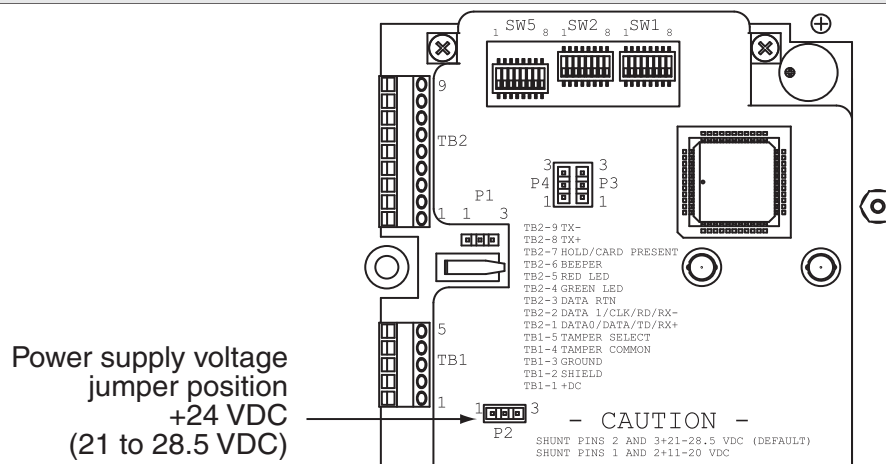
- **Multicolor LED with internal or host control of the LED and beeper**
- **Two MaxiProx units can operate one meter apart for "HI-LO" (truck and car) installations**

SPECIFICATIONS

Supply Voltage	12 or 24 VDC
Supply Current	200 mA at 12VDC, 260 mA at 24 VDC
Excite Frequency	125 kHz
Read Range	
ProxCard® II Card	up to 24" (60.9 cm)
ISOProx® II Card	up to 20" (50.8 cm)
DuoProx II Card	up to 20" (50.8 cm)
Smart ISOProx™ II	up to 20" (50.8 cm)
Smart DuoProx II Card	up to 20" (50.8 cm)
HID Proximity & MIFARE® Card	up to 20" (50.8 cm)
ProxCard® Plus Card	up to 13" (33 cm)
ProxKey™ II Keyfob	up to 17" (43.2 cm)
Microprox Tag	up to 15" (38 cm)
ProxPass Active Vehicle Tag	up to 8' (2.5 m)

Operating Temperature	-22° to 150°F (-30° to 65°C)
Operating Humidity	0 to 95% RH (non-condensing)
Materials Of Construction	Polycarbonate UL 94
Dimensions	11.8"H x 11.8"W x 1.0" D (30.0 x 30.0 x 2.54 cm)
Weight	3.18 lbs (1.4 kg)
Approvals	UL 294 file #BP6568 Listed: Access Control System Units FCC Certification, United States Canada Certification CE Mark, Fifteen EU Countries under the R&TTE Directive (EN60950 - ITE Electrical Safety, EN 300 330 - SRD, and ETS 300 683 - EMC) IEC60950, ITE CB Scheme Electrical Safety Australia C-Tick Mark New Zealand EMC
Warranty	1 year

WIRING



See installation manual
for DIP switch settings

ORDERING INFORMATION

MODEL
5375AGN00

DESCRIPTION
Long range proximity card reader



ACCESS CONTROL

THINLINE II PROXIMITY READER 5395CG100, 5395CK100



1

DESCRIPTION

The **5395CK100** and **5395CG100** thin profile proximity card readers are housed in a two-piece, weatherproof, secure and potted enclosure.

FEATURES

- Easily installed and maintained with the use of replaceable covers
- Provides high reliability, consistent read range, and low power consumption
- Features include multicolor LED and internal control or host control of the LED and beeper
- Mounts directly on metal with minimal impact on the read-range performance
- Aesthetic design available in two cover designs to match any decor
- Includes multilingual installation manual

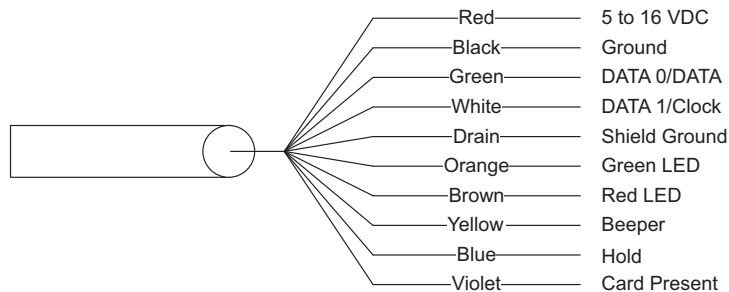


5395CK100



ACCESS CONTROL

WIRING



SPECIFICATIONS

Supply Voltage	5 - 16 VDC
Supply Current	30 mA at 5 VDC, 20 mA at 12 VDC
Excite Frequency	125 kHz
Read Range	
ProxCard® II Card	up to 5.5" (14 cm)
ISOProx® II Card	up to 5" (12.7 cm)
DuoProx® II Card	up to 5" (12.7 cm)
Smart ISO/DuoProx™ Cards	up to 5" (12.7 cm)
Proximity & MIFARE™ Card	up to 5" (12.7 cm)
ProxCard® Plus Card	up to 1.5" (3.8 cm)
ProxKey® II Keyfob	up to 2" (5.1 cm)
Microprox® Tag	up to 3" (7.6 cm)
Operating Temperature	-22° to 150°F (-30° to 65°C)
Operating Humidity	0 to 95% RH (non-condensing)
Materials Of Construction	Polycarbonate UL 94

Dimensions	4.7"H x 3.0"W x 0.68"D (11.9 x 7.6 x 1.7 cm)
Weight	0.20 lb (0.09 kg)
Approvals	UL 294 file #BP6568, FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore)
RoHS Statement	Yes
Warranty	1 year

ORDERING INFORMATION

MODEL
5395CG100
5395CK100

DESCRIPTION
HID Thinline II Wiegand reader classic gray
HID Thinline II Wiegand reader classic black

ACCESS CONTROL



125 KHZ PROXPRO II PROXIMITY READER 5455BGN00



1

ACCESS CONTROL

DESCRIPTION

The **5455BGN00** proximity reader for access control combines performance, reliability, and ease of installation into a two-piece, weatherproof potted enclosure. International users will appreciate the multilingual installation manual, lower voltage requirement and flexible mounting options.

FEATURES

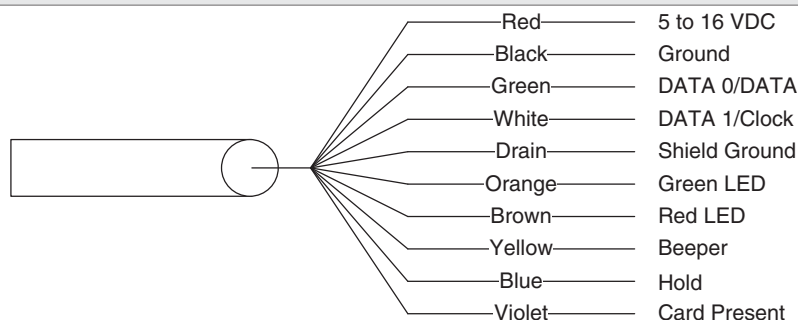
- *Two-piece reader design allows for easy installation*
- *Provides high reliability, consistent read range and low power consumption*
- *Features include multicolor LED and internal or host control of the LED and beeper*
- *Mounts directly on metal with minimal impact on the read range performance*



5455BGN00



WIRING



SPECIFICATIONS

Supply Voltage	5 - 16 VDC	Operating Temperature	-22° to 150°F (-30° to 65°C)
Supply Current	25 mA at 12 VDC	Operating Humidity	0 to 95% RH (non-condensing)
Excite Frequency	125 kHz	Materials Of Construction	Polycarbonate UL 94
Read Range		Dimensions	5.00"H x 5.00"W x 1.00"D (12.7 x 12.7 x 2.54 cm)
ProxCard® II Card	up to 9" (22 cm)	Weight	0.85 lb (0.38 kg)
ISOProx® II Card	up to 8" (20 cm)	Approvals	UL 294 file #BP6568, FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore)
DuoProx® II Card	up to 8" (20 cm)	RoHS Statement	Yes
Smart ISOProx® Card	up to 8" (20 cm)	Warranty	1 year
Smart DuoProx® Card	up to 8" (20 cm)		
HID Proximity and MIFARE® Card	up to 8" (20 cm)		
ProxCard® Plus Card	up to 4" (10 cm)		
ProxKey® II Keyfob	up to 4" (10 cm)		
MicroProx® Tag	up to 4" (11 cm)		

ORDERING INFORMATION

MODEL	DESCRIPTION
5455BGN00	HID ProxPro II, gray



ACCESS CONTROL

HID PROX POINT PLUS II PROXIMITY READER 6005BGB00

1

DESCRIPTION

The **6005BGB00** reader combines multiple configuration options with an attractive, inconspicuous design and economical price. Its secure potted electronics are ideal for both indoor and outdoor applications.

FEATURES

- Features a beeper and multicolor LED which can be host controlled and/ or locally controlled
- Enables various beeper and LED configurations, depending on individual site requirements
- Can read HID cards with formats up to 85 bits
- Designed for mounting directly onto metal with no change in read range performance
- Available with either Wiegand or Clock-and-Data (magnetic stripe data) output
- Compatible with all standard access control systems
- Includes multilingual installation manual

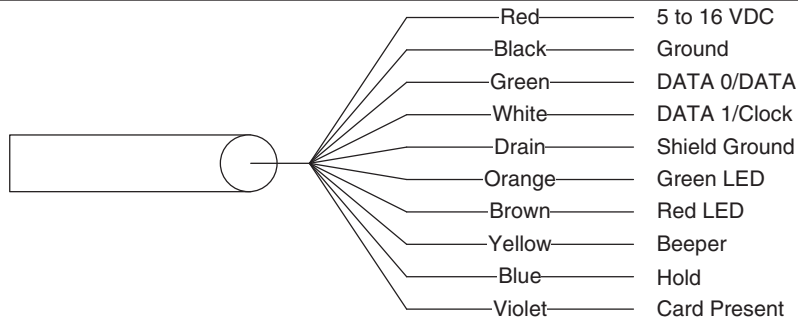


6005BGB00



ACCESS CONTROL

WIRING



SPECIFICATIONS

Supply Voltage	5 - 16 VDC	MicroProx® Tag	up to 2" (5.1 cm)
Supply Current	30 mA at 16 VDC	Operating Temperature	-22° to 150°F (-30° to 65°C)
Excite Frequency	125 kHz	Operating Humidity	0 to 95% RH (non-condensing)
Read Range		Materials Of Construction	Polycarbonate UL 94
ProxCard® II Card	up to 3" (7.6 cm)	Dimensions	3.13"H x 1.72"W x 0.66"D (7.96 x 4.37 x 1.68 cm)
ISOProx® II Card	up to 2.5" (6.35 cm)	Weight	0.16 lb (0.07 kg)
DuoProx® II Card	up to 2.5" (6.35 cm)	Approvals	UL 294 file #BP6568, FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), MIC (Japan), iDA (Singapore), RoHS
Smart ISOProx® Cards	up to 2.5" (6.35 cm)	Warranty	1 year
DuoProx® II Cards	up to 2.5" (6.35 cm)		
Proximity & MIFARE® Card	up to 2.5" (6.35 cm)		
ProxCard® Plus Card	up to 1.0" (2.5 cm)		
ProxKey® II Keyfob	up to 1.5" (3.8 cm)		

ORDERING INFORMATION

MODEL
6005BGB00

DESCRIPTION
125 kHz mini mullion proximity reader



DESCRIPTION

The **XF1050** mini-mullion proximity reader is well suited for door mullion or narrow-style mounting.

FEATURES

- *Compatible with industry standard 125 kHz proximity technologies including HID® proximity, GE/CASI ProxLite®, AWID® proximity and LenelProx*
- *Sleek and attractive architectural styling*
- *Mullion or narrow door style mounting*
- *Read range up to 4.5 inches*
- *Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information*
- *Multiple color options*
- *Accommodates interior, exterior, metal and non-metal installation environments*



1



XF1050



ACCESS CONTROL

WIRING TERMINATIONS

Blue	Beeper
Green	DATA 0
White	DATA 1
Orange	Green LED
Brown	Red LED
Red	Power + DC (5-16 VDC)
Black	Ground
Drain	Shield Ground

SPECIFICATIONS

Supply Voltage	5 - 16 VDC	Materials Of Construction	PBT Polymer
Supply Current	Average 110 mA DC Peak 160 mA DC	Dimensions	4.2"H x 1.72"W x 1.0"D (10.7 x 4.3 x 2.5 cm)
Excite Frequency	125 kHz	Weight	0.6 lb (0.272 kg)
Read Range	Up to 4.5" (11.4 cm) Maximum read range depends on credential type/ form factor and installation conditions	Approvals	FCC Certification, UL 294 Listed file # BP9778, CE Mark
Operating Temperature	-31° to 151°F (-35° to 67°C)	Warranty	1 year
Operating Humidity	0 to 90% RH (non-condensing)		

ORDERING INFORMATION

MODEL	DESCRIPTION
XF1050	Mini-mullion proximity reader



ACCESS CONTROL

125 KHZ/ 13.56 MHZ MULLION PROXIMITY READER XF1100

1

DESCRIPTION

The **XF1100** mullion reader is sleek and unobtrusive which makes it perfect for narrow-rail mullion installations.

FEATURES

- Industry standard 125 kHz prox and 13.56 MHz contactless smart card technology in the same reader
- Reader comes standard as a FIPS 201/ PIV II compliant reader
- Read range: up to 5 inches
- Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information
- Multiple color options
- Accommodates interior, exterior, metal and non-metal installation environments
- Security/Key Management: several options to ensure the greatest choice between "open" or high security credential security



XF1100



WIRING TERMINATIONS

Yellow	Beeper
Blue	Hold
Purple	Future
Green	DATA 0
White	DATA 1
Orange	Green LED
Brown	Red LED
Red	Power + DC (6-16 VDC)
Black	Ground
Pink	Not Used
Gray	Not Used
Tan	Tamper Output (External)
Drain	Shield Ground

SPECIFICATIONS

Supply Voltage	6 - 16 VDC
Supply Current	95 mA at 12 VDC
Excite Frequency	125 kHz and 13.56 MHz
Read Range	
125 kHz	up to 5" (12.7 cm)
13.46 MHz ISO 15693	up to 4.5" (11.43 cm)
ISO 14443 MIFARE® Standard	up to 2" (5.08 cm)
ISO 14443 MIFARE DESFire®	up to 1.5" (3.81 cm)
Operating Temperature	-31° to 151°F (-35° to 67°C)

Operating Humidity	0 to 90% RH (non-condensing)
Materials Of Construction	PBT Polymer
Dimensions	5.85"H x 1.72"W x 1.14"D (14.9 x 4.3 x 2.9 cm)
Weight	0.6 lb (0.272 kg)
Approvals	FCC Certification Canadian, FCC Certification, UL 294 Listed file #BP9778, R&TTE Directive (15 EU Countries), CE Mark
Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
XF1100	Mullion reader

ACCESS CONTROL

125 KHZ / 13.56 MHZ PROXIMITY READER XF1500



DESCRIPTION

Offered by the original pioneer of multi-technology card readers, the next generation **XF1500** wall-mount reader by XceedID is arguably the most advanced and flexible, multi-technology reader in the industry.

FEATURES

- **125 kHz prox and 13.56 MHz contactless smart card**
- **Compatible with applicable ISO standards**
- **Includes XACTT™ Automated Credential Transition Technology (patent pending) for easy migration**
- **Read range up to 4.5 inches**
- **Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information**
- **Advanced tamper detection with optical sensor**
- **Accommodates interior, exterior, metal and non-metal installation environments**
- **Security/Key Management: several options to ensure the greatest choice between "open" or high security credential security**



XF1500



1

ACCESS CONTROL

WIRING TERMINATIONS

Green	DATA 0
White	DATA 1
Orange	Green LED
Brown	Red LED
Red	Power + DC (5-16 VDC)
Black	Ground
Tan	Tamper Output (External)
Pink	Card Present
Yellow	Beeper
Gray, Purple, Blue	Not Used

SPECIFICATIONS

Supply Voltage	5-16 VDC	Operating Humidity	0 to 90% RH (non-condensing)
Supply Current	110 mA at 12 VDC	Materials Of Construction	PBT Polymer
Excite Frequency	125 kHz and 13.56 MHz	Dimensions	5.1"H x 3.25"W x 0.76"D (12.9 cm x 8.3 cm x 1.9 cm)
Read Range		Weight	0.6 lb (0.272 kg)
125 kHz	up to 4.5" (11.4 cm)	Approvals	FCC Certification UL 294 Listed file #BP9778, CE Mark
13.56 MHz ISO 15693	up to 4" (10.2 cm)	Warranty	1 year
ISO 14443 MIFARE® Standard	up to 2" (5.1 cm)		
ISO 14443 MIFARE DESFire®	up to 1.5" (3.81 cm)		
Operating Temperature	-31° to 151°F (-35° to 67°C)		

ORDERING INFORMATION

MODEL	DESCRIPTION
XF1500	Wall mount reader



ACCESS CONTROL

125 KHZ / 13.56 MHZ MID-RANGE PROXIMITY READER XF2100

1

DESCRIPTION

The **XF2100** series of readers handle both applicable ISO standards (14443 and 15693). These readers contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one unit.

FEATURES

- **Industry standard 125 kHz prox and 13.56 MHz contactless smart card technology in the same reader**
- **Compatible with applicable ISO standards**
- **Includes XACTT™ Automated Credential Transition Technology (patent pending) for easy migration**
- **Read range up to 6 inches**
- **Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information**
- **Tamper Detection**
- **Accommodates interior, exterior, metal and non-metal installation environments**
- **Security/Key management: several options to ensure the greatest choice between "open" or high security credential security**
- **Limited lifetime warranty against defective workmanship and materials**



XF2100



WIRING TERMINATIONS

Yellow	Beeper
Blue	Hold
Purple	Unused
Green	DATA 0
White	DATA 1
Orange	Green LED
Brown	Red LED
Black	Ground
Pink	Unused
Gray	Unused
Tan	Tamper Output (External)
Drain	Shield Ground

SPECIFICATIONS

Supply Voltage	6 - 16 VDC
Supply Current	Average 95 mA DC Peak 218 mA DC
Excite Frequency	125 kHz and 13.56 MHz
Read Range	
125 kHz	up to 6" (15.24 cm)
13.56 MHz ISO 15693:	up to 6" (15.24cm)
ISO 14443 MIFARE® Standard:	up to 3" (7.62cm)
ISO 14443 DESFire®:	up to 2.5" (6.35cm)
Operating Humidity	0 to 90% RH (non-condensing)

Operating Temperature -31° to 151°F (-35° to 67°C)

Materials Of Construction

Dimensions	PBT Polymer 5.85"H x 4.5"W x 1.45"D (14.9 x 11.4 x 3.7 cm)
Weight	1.1 lb (0.49 kg)
Approvals	FCC Certification Canadian FCC Certification UL 294 Listed file #BP9778, R&TTE Directive (15 EU Countries) CE Mark
Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
XF2100	Mid-range reader

ACCESS CONTROL



125 KHZ / 13.56 MHZ PROXIMITY READER WITH KEYPAD XF2110

DESCRIPTION

The **XF2110** mid-range keypad reader is ideal for higher security applications where two factor (card and/or pin number) authentication is desirable. This reader mounts on a standard single-gang electrical box.

FEATURES

- **Industry standard 125 kHz prox and 13.56 MHz contactless smart card technology in the same reader**
- **Compatible with applicable ISO standards**
- **Available in the GSA APL listed version XF2110-PIV product. Reader must be ordered as XF2110-PIV for government**
- **FIPS 201 PIV II compatibility (i.e. Oberthur® and Gemalto® cards)**
- **Includes XACTT™ Automated Credential Transition Technology (patent pending) for easy migration**
- **Read range up to 6 inches**
- **Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information**
- **Tamper detection**
- **Accommodates interior, exterior, metal and non-metal installation environments**
- **Security/Key management: several options to ensure the greatest choice between "open" or high security credential security**



1

ACCESS CONTROL



XF2110



WIRING TERMINATIONS

Yellow	Beeper
Blue	Hold
Purple	Future
Green	Data 0
White	Data 1
Orange	Green LED
Brown	Red LED
Red	Power + DC (6-16 VDC)
Black	Ground
Pink	Not Used
Gray	Not Used
Tan	Tamper Output (External)
Drain	Shield Ground

SPECIFICATIONS

Supply Voltage	8 -16 VDC	Dimensions	5.85"H x 4.5"W x 1.45"D (14.9 x 11.4 x 3.7 cm)
Supply Current	120 mA at 12 VDC	Weight	1.1 lb (0.49 kg)
Excite Frequency	125 kHz and 13.56 MHz	Approvals	FCC Certification Canadian FCC Certification UL 294 Listed file #BP9778, R&TTE Directive (15 EU Countries) CE Mark
Read Range		Warranty	1 year
125 kHz	up to 6" (15.24 cm)		
13.56 MHz ISO 15693:	up to 6" (15.24cm)		
ISO 14443 MIFARE® Standard:	up to 3" (7.62cm)		
ISO 14443 DESFire®:	up to 2.5" (6.35cm)		
Operating Temperature	-31° to 151°F (-35° to 67°C)		
Operating Humidity	0 to 90% RH (non-condensing)		
Materials Of Construction	PBT Polymer		

ORDERING INFORMATION

MODEL	DESCRIPTION
XF2110	Mid-range keypad reader



ACCESS CONTROL

HID PROXIMITY CARDS

1326, 1386

1

DESCRIPTION

The **1326 ProxCard II** proximity access card is the industry choice for a cost-effective solution to proximity access control, with universal compatibility with all HID proximity readers. The ProxCard II provides durable packaging and consistent read range. The **1368 ISOProx II** card offers proximity technology with photo identification capability on a single card. It is ISO 7810 compliant, with nominal thickness of 0.03".

FEATURES

- *Universal compatibility with all HID proximity readers*
- *Durable packaging and consistent read range*
- *External number for easy identification and control*
- *Supports formats up to 85 bits, with over 137 billion codes*
- *Custom pre-printed artwork available*

- *A PVC overlay allows for on-site photo ID using most direct image printers*
- *Thin enough to carry in a wallet or purse*
- *Create Photo ID card with model 1324 Printable Adhesive Label*



SPECIFICATIONS

Excite Frequency	125 kHz	MaxiProx® Reader	up to 24" (60 cm)
Read Range		Operating Temperature	-50° to 160°F (-45° to 70°C)
ProxPoint® Plus reader		Dimensions	
	up to 3" (7.5 cm)	1326	3.39" H x 2.14" W x 0.08"D (8.6 x 5.4 x 0.19 cm)
MiniProx® Reader	up to 5.5" (14 cm)	1386	3.37" H x 2.12" W x 0.03"D (8.6 x 5.4 x 0.076 cm)
ThinLine® II Reader	up to 5.5" (14 cm)	Weight	0.24 oz (6.8 gm)
ProxPro® Reader	up to 8" (20 cm)		
ProxPro® II Reader	up to 9" (22.9 cm)		
Prox80™ Reader	up to 5.5" (14 cm)		

ORDERING INFORMATION

MODEL	DESCRIPTION
1326-HID	(1 card) ProxCard® II clamshell card
1386-HID	(1 card) ISOProx II card

XCEEDID PROXIMITY CARDS

9520

DESCRIPTION

The **9520** card is similar in size and thickness to traditional credit cards. The reason it is referred to as an ISO card is that its dimensions comply with standards specified in applicable ISO guidelines. The smooth, high-quality surface is ideal for printing of custom artwork, images, and photographs.

FEATURES

- *Choice of 2.5k, 8k, 10k, or 32k bits of storage to meet the most demanding data storage requirements, including multiple applications and complex biometric templates*
- *Utilizes high-security data which is mutually authenticated in communication between the card and reader, providing an infinite number (many trillions) of unique badge ID codes*
- *Passive design does not require any batteries or maintenance for the life of the card*



SPECIFICATIONS

Excite Frequency	13.56 MHz
Read Range	
XF 1060 Mini-Mullion	up to 2.5" (6.35 cm)
XF 1100 Mullion	up to 4.5" (11.43 cm)
XF 2100/2110 Mid-Range	up to 6" (15.24 cm)
Operating Temperature	-50° to 160°F (-45° to 70°C)
Dimensions	3.37"H x 2.125"W x 0.033"D (8.56 x 5.4 x .09 cm)
Weight	2.7 oz. (75 gm)

ORDERING INFORMATION









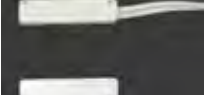


MODEL	DESCRIPTION
9520	(1 Card) Smart ISO card



SURFACE MOUNT AND RECESSED DOOR AND WINDOW CONTACTS DOOR AND WINDOW CONTACTS

1

ACCESS CONTROL

	MODEL	DIMENSIONS	PKG QUANTITY	FEATURES	GAP
	FM-102 Surface Mount	1.33" x 0.3" x 0.53" (3.3 x 0.7 x 1.3 cm)	10	Flange Mount & Adhesive	1" (2.54 cm)
	FM-106 Flange Mount Self Stick	1.33" x 0.3" x 0.53" (3.3 x 0.7 x 1.3 cm)	10	Side Lead Option	1" (2.54 cm)
	MET-200AR Commercial Contact	2" x 0.62" x 0.37" (5.1 x 1.5 x 0.9 cm)	1	Available with 18" (45.72 cm) & 36" (91.44 cm) Armoured Cables	2.5" (6.35 cm)
	MWT-44WG-18 Metal Cased Overhead Door Contact	2.47" x 4.22" (6.27" x 10.71 cm)	1	Available with 18" (45.72 cm) and 36" (91.44 cm) Armored Cable	1.25" (3.17 cm)
	TANE-MICRO Ultra Thin Surface Mount	1.2" x 0.25" (3.04 x 0.63 cm)	10	Smaller than a dime	0.37" (0.93 cm)
	SM-35 Commercial Contact	2.5" x 0.5" x 0.5" (6.3 x 1.2 x 1.2 cm)	10	Free Spacers Screws, Cover	0.87" (2.20 cm)
	RB-32ROLLERBALL 3/4" Reed Rollerball	0.75" x 1.62" (1.9 x 4.1 cm)	10	Special Plastic Resists Dirt 12" (30.48 cm) Leads with Spacers	NA
	MINI10 3/8" Mini Recess	0.37" x 0.56" (0.9 x 1.4 cm)	10	Tight Fit Magnet	0.5" (1.27 cm)
	TANE-45 Mini Surface Mount	1.06" x 0.18" x 0.25" (2.6 x 0.4 x 0.6 cm)	10	Ideal for Tight Fit Windows	0.60" (1.52 cm)
	STB-3/8TC 3/8" Quick Connect	0.37" x 0.98" (0.93 x 2.48 cm)	10	Quick Connect (Terminals)	0.62" (1.57 cm)
	TANE-3/4TC 3/4" Quick Connect	0.75" x 1.18" (1.90 x 2.99 cm)	10	Steel Door Type	1.0" (2.54 cm)

REED SWITCH SPECIFICATIONS

*All Contacts come with standard reed switch unless specified.

Contact	Standard	High Voltage	High Power	S.P.D.T.
Contact Resistance (initial) (m-ohms)	150 Maximum	150 Maximum	150 Maximum	150 Maximum
Breakdown Voltage (DVC)	250 Minimum	300 Minimum	300 Minimum	200 Minimum
Insulation Resistance (ohms)	10 ¹⁰ Minimum	10 ¹⁰ Minimum	10 ¹⁰ Minimum	10 ⁹ Minimum
Electrostatic Cap (PF)	0.3 Maximum	0.2 Maximum	0.5 Maximum	1.5 Maximum
Control Capacity (VA)	10	20	70	3
Maximum Conductive Current (A)	1.0	2.0	2.5	0.5
Maximum Voltage (V)	100	250	100	30



ACCESS CONTROL

VALUE PRICED MAGNETIC LOCKS EXCEL SERIES

1

ACCESS CONTROL

DESCRIPTION

The value priced **Excel™ Architectural Series** full featured magnetic locks are easier to install and provide superior, less obtrusive appearance compared to stainless steel epoxy sealed magnetic locks. Full monitoring is standard. The quick mount assembly reduces installation time compared to epoxy sealed magnetic locks.

The value priced **Excel™ Commercial Series** full featured magnetic lock is made of an epoxy sealed satin stainless steel housing and utilizes the same mounting template as major competitive brands. Full monitoring is standard.

FEATURES

E6200

- *Retrofits Securitron M62 and Locknetics 70 locks*
- *Magnetic Bond Sensor indicates door locked with full holding power*
- *Door Status indicates door open or closed*
- *Epoxy sealed electronics, tamper resistant and weatherized for indoor and outdoor use*
- *Stainless steel machine screws and blind nuts*
- *10 ft [3.05m] jacketed, stranded conductor cable*
- *Dual voltage 12/24VDC*
- *Architectural stainless steel housing, US32/630*

E1200 and E600

- *Door status, lock status and bi-color LED*
- *Interlocking quick mount assembly*
- *Adjustable mounting bracket with choice of self drilling and tapping mounting screws or machine screws*
- *Wire access chamber with terminal block*
- *Dual voltage 12/24VDC*
- *628 Clear anodized aluminum*

E300-SDC

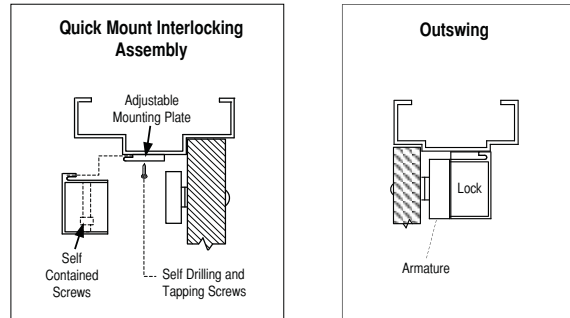
- *Lock status and bi-color LED*
- *Interlocking quick mount assembly*

NEW!



- *Adjustable mounting bracket with choice of self drilling and tapping mounting screws or machine screws*
- *Wire access chamber with terminal block*
- *Dual voltage 12/24VDC*
- *628 Clear anodized aluminum*

MOUNTING



SPECIFICATIONS

Supply Voltage	12/24 VDC
Supply Current	
E6200, E1200, E600	500 mA @ 12 VDC, 250 mA @ 24 VDC
E300-SDC	360 mA @ 12 VDC, 180 mA @ 24 VDC
Holding Force	
E6200, E1200	1200 lbs
E600	600 lbs
E300-SDC	300 lbs
Contact Rating	
E6200	
Lock Status Contact	SPDT, 250 mA @ 30 VDC
Door Status Contact	SPDT, 250 mA @ 30 VDC
E1200, E600, E300-SDC	
Lock Status Contact	SPDT, 2 A @ 30 VDC
Door Status Contact	SPDT, 250 mA @ 30 VDC

Dimensions	
E6200	8"W x 3"H x 1.75"D (20.3 x 7.35 x 4.57 cm)
E1200	10.5"W x 2.87"H x 1.62"D (26.6 x 7.3 x 4.1 cm)
E600	9.87"W x 2.87"H x 1"D (25 x 5.1 x 2.6 cm)
E300-SDC	7"W x 1.625"H x .0875"D (17.8 x 4.1 x 2.2 cm)
Weight	
E6200	12 lb (5.4 kg)
E1200	11 lb (4.9 kg)
E600	5 lb (2.2 kg)
E300-SDC	2.5 lb (1.1 kg)
Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
E6200	1200 lb holding force magnetic lock with 10' jacketed cable for power input and status outputs
E1200	1200 lb holding force magnetic lock
E600	600 lb holding force magnetic lock
E300-SDC	300 lb holding force magnetic lock

NEW!



1

ACCESS CONTROL

DESCRIPTION

The **30-4 Series Electric Strike** is designed for use with rim mount exit devices that have pullman type latch bolts or the top pullman latch of a surface vertical-rod exit device.

FEATURES

- *All stainless steel for corrosion resistance and strength*
- *Tamper resistant, heavy-duty construction*
- *Horizontal keeper adjustment for door and frame misalignment*
- *Pullman keeper*
- *Non-handed, reversible*
- *Fail secure (standard) or Failsafe (optional)*

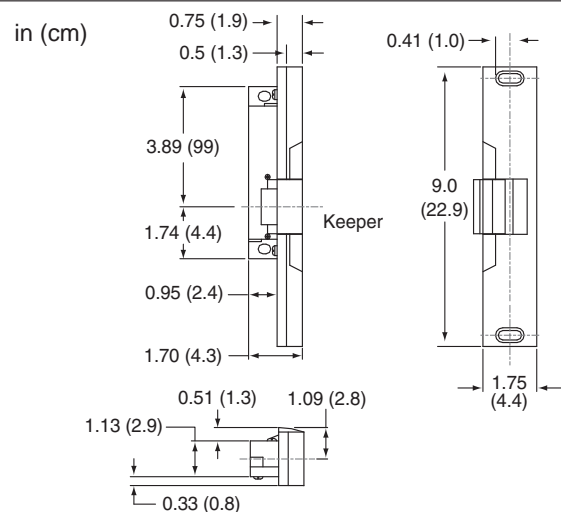


30-4

SPECIFICATIONS

Supply Voltage	12 VDC, 24 VDC
Supply Current	0.51 Amp @ 12VDC, 24 OHMS, 0.25 Amp @ 24VDC, 96 OHMS
Weight	1.2 lb (0.55 kg)
Approvals	
Auxiliary Locks and Associated Products	ANSI / BHMA A156.5 - Grade1 DoD FSC 530
Burglary Protection Equipmet	ANSI / UL1034 - Grade1 Fire door accessories (fail secure only) UL Listed file #BP7002 for the fire door assemblies up to 3 hrs. UL10B
Warranty	1 year

DIMENSIONS



ORDERING INFORMATION

30-4	Electric Strike
12	12 VDC
24	24 VDC
D	Satin Brass
G	Satin Bronze
H	Oil Rubbed Bronze
P	Bright Chrome
Q	Satin Chrome
U	Satin Stainless
FS	Failsafe Operation
LBM-30	Latchbolt Monitor
LCM-30	Locking Cam Monitor
BR64XL	Rectifier for AC Operation
PC	Plug Connector

Example:

30-4-24-U-LBM-30

*24VDC, Satin Stainless Steel, Latchbolt Monitor



ACCESS CONTROL

ELECTRIFIED MORTISE LOCKSETS Z7800 SELECTRIC PRO SERIES

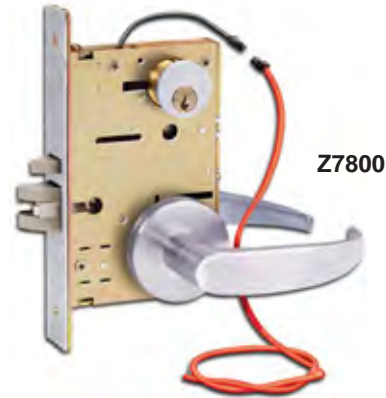
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DESCRIPTION

The **7800 Series** locksets are designed for the access control of openings in commercial, industrial and institutional facilities where code compliance, dependable operation and resistance to physical abuse is required.

FEATURES

- **New or retrofit application, replaces most mechanical locks**
- **Field selectable mode**
- **Field selectable function**
- **Field selectable voltage**
- **Field selectable handing**
- **Order with SDC trim or less trim. Compatible with Schlage trim provided by others**
- **Key latch retraction**



SPECIFICATIONS

Supply Voltage	12/24 VDC
Supply Current	0.6 Amp @ 12 VDC, 0.3 Amp @ 24 VDC
Mode	Field Reversible, Failsafe/Failsecure
Door Thickness	1.75" (4.44 cm) standard
Door Preparation	ANSI A156.13
Latch Bolt	0.75" (1.9 cm) anti-friction bolt with auxiliary deadlatch
Strike	4.87" (12.9 cm) standard
Key Override	6 PIN, 1.25" Mortise cylinder with Schlage 'C' Keyway (optional)
Backset	2.75" (6.98 cm)
Warranty	1 year

WIRING

Dual Coil Solenoid		Optional Monitoring	
		Latched and Locked Status (LLS)	COM < WHT/BLK SECURE < ORG/BLK UNSECURE < YEL/BLK
		Door Position Status (DPS)	COM < WHT NC < ORG NO < YEL
		Request-to-Exit Output (REX)	COM < WHT/RED NC < ORG/RED NO < YEL/RED

ORDERING INFORMATION

Z7830	Locked both sides, failsafe. Field reversible to failsecure mode
Z7850	Locked outside only, failsafe. Field reversible to failsecure mode
Z7832	Locked both sides, failsecure. Field reversible to failsafe mode
Z7852	Locked outside only, failsecure. Field reversible to failsafe mode
Z7835	Locked outside and/or inside. Outside failsecure, inside failsafe
12	12 VDC (Z7835 only)
24	24 VDC (Z7835 only)
L	Left Hand
R	Right Hand
LR	Left Hand Reversed
RR	Right Hand Reversed
Q	626 Dull Chrome
C	605 Bright Brass
D	606 Dull Brass
F	611 Bright Bronze
G	612 Dull Bronze
H	613 Oil Rubbed Bronze
P	625 Bright Chrome
S	629 Bright Stainless Steel
U	630 Dull Stainless Steel
G	Galaxy with Rose
E	Eclipse with Rose
N	Nova with Rose
7	Schlage Equal with SDC B Rose
12	Schlage Equal with SDC B Rose
GE	Gallaxy with Escutcheon
EE	Eclipse with Escutcheon
NE	Nova with Escutcheon
07E	Schlage Equal with SDC Escutcheon
12E	Schlage Equal with SDC Escutcheon

Example: Z7830-L-Q-G Locked both sides, left hand, dull chrome finish, galaxy rose.



EXIT BAR PSB560V



1

ACCESS CONTROL

DESCRIPTION

The **PSB560V Series** pressure sense exit bar (36") offers the highest level of safety and reliability. The Sure Exit® proprietary tri-failsafe technology is activated by slight pressure, which immediately releases a magnetic lock or activates a delay.

FEATURES

- *Tri-failsafe for unequalled safety and reliability*
- *Human touch not required*
- *Sensor calibration not required*
- *Tolerates temperature changes 0° to 150°F*
- *Slim, low profile heavy duty design*
- *Two 5A, SPDT outputs*
- *10 ft cable and power transfer loop*



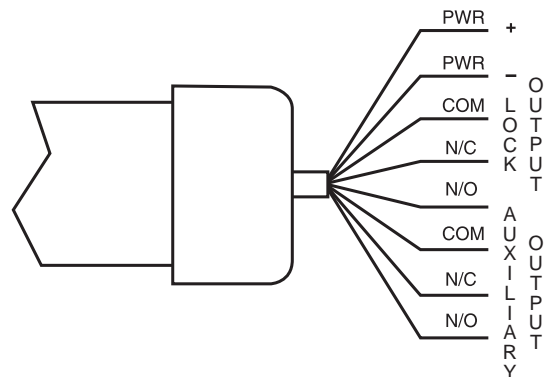
Field-installed sign
1"H green letters



SPECIFICATIONS

Supply Voltage	12/24 VDC
Supply Current	20 mA at rest, 115 mA active
Activation Force	5 lbs (2.2 kg) Field Adjustable up to 15 lbs (6.8 kg) maximum
Output	Two SPDT Dry contacts, 3 amp @28 VDC
Operating Temperature	0° to 150°F (-18° to 65°C)
Dimensions	
PSB560V	36"W x 2.3"H x 1.875"D (91.4 x 6 x 4.7 cm)
PSB560V42	42"W x 2.3"H x 1.875"D (106.7 x 6 x 4.7 cm)
PSB560V48	48"W x 2.3"H x 1.875"D (121.9 x 6 x 4.7 cm)
Weight	
PSB560V	1.2 lb (0.5 kg)
PSB560V42	3.1 lb (1.4 kg)
PSB560V48	3.1 lb (1.4 kg)
Warranty	1 year

WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
PSB560V	36" exit bar, aluminum anodized finish
PSB560V42	42" exit bar, aluminum anodized finish
PSB560V48	48" exit bar, aluminum anodized finish

* Aluminum anodized finish (V) is standard; also available special order are dark bronze anodized (X), black anodized (Y), bright stainless steel (S), and brushed stainless steel (U).



ACCESS CONTROL

POWER TRANSFER HINGE PTH SERIES

1

DESCRIPTION

Installed in the center hinge position of a door, the **PTH Series** electric power transfer hinges provide a concealed and vandal resistant method for running wires from the frame to doors equipped with electric locks and exit devices.

FEATURES

- 5 ft cable standard with 4- and 10-wire hinges
- UL10B listed for 3 hour fire rated doors
- Wire replacement warranty
- Tested 750,000 cycles



PTH



SPECIFICATIONS

Output	Concealed Door Position Switch SPDT, 250mA @ 30VDC
Dimensions	4.5"H x 4.5"W (11.4 x 11.4 cm)
Approvals	UL 10B Listed for 3Hr fire rated doors. Look for the 'F' mark located next to the UL symbol that confirms the PTH series hinge UL fire rating.
Warranty	1 year
PTH-4Q	Four (4) conductor power transfer hinge 1A @ 12/24V per pair Weight 3.1 lb (1.4kg)
PTH-4Q-DPS	Four (4) conductor power transfer hinge with door status contact 1A @ 12/24V per pair Door status contact: 250 mA @ 30 VDC Weight 3.1 lb (1.4kg)
PTH-10Q	Ten (10) conductor power transfer hinge 1A @ 12/24V per pair Weight 3.1 lb (1.4kg)

PTH-10Q-DPS	Ten (10) conductor power transfer hinge with door status contact 1A @ 12/24V per pair Door status contact: 250 mA @ 30 VDC Weight 3.1 lb (1.4kg)
PTH-2-4Q	Six (6) conductor power transfer hinge 1-pair 16A inrush, 4A continuous 2-pair 1A @ 12/24V Weight 2.0 lb (0.9 kg)
PTH-2-4QDPS	Six (6) conductor power transfer hinge, with door status contact 1-pair 16A inrush, 4A continuous; 2-pair 1A @ 12/24V Door status contact: 250 mA @ 30 VDC Weight 2.0 lb (0.9 kg)

ORDERING INFORMATION

MODEL	DESCRIPTION
PTH-2-4Q	6-conductor power transfer hinge, dull chrome finish
PTH-2-4Q-DPS	6-conductor power transfer hinge, dull chrome finish, with door position switch
PTH-4Q	4-conductor power transfer hinge, dull chrome finish
PTH-4Q-DPS	4-conductor power transfer hinge, dull chrome finish, with door position switch
PTH-10Q	10-conductor power transfer hinge, dull chrome finish
PTH-10Q-DPS	10-conductor power transfer hinge, dull chrome finish, with door position switch

* Standard finish is dull chrome (Q); also available special order are bright brass (C), oil-rubbed bronze (H), and bright chrome (P).



DESCRIPTION

The **928** is a stand alone digital keypad designed to control access of a single entry point for facilities with up to 480 users. Each user is assigned a personal identification number (PIN). Keypad entry of a valid one- to six-digit code activates one or both of the output relays which releases an electric door lock.

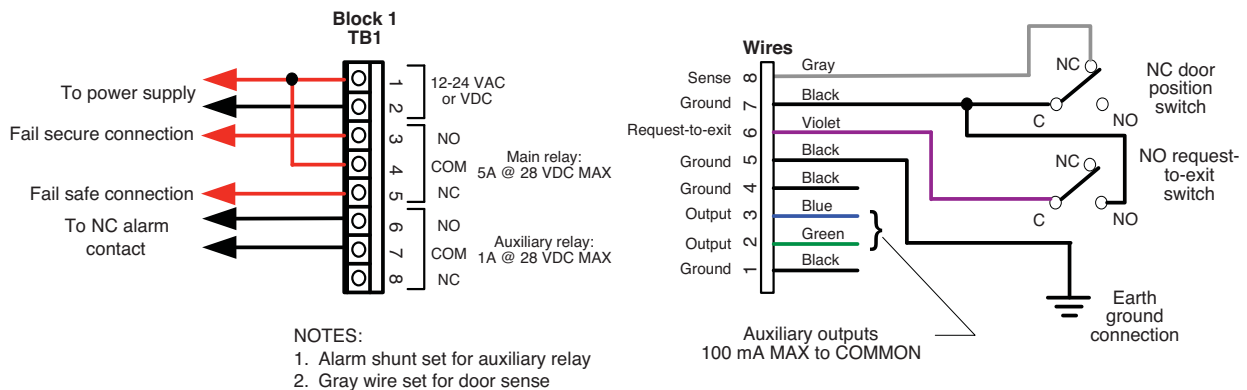
FEATURES

- **Keypad programmable**
- **480 user codes**
- **1 to 6 digit user codes**
- **4 independent timers**
- **Program entry codes to activate one or two relays**
- **Disable input**
- **Door sense input**
- **Request-to-exit/enter input**
- **Keypad tamper lockout**



928

WIRING



CAUTION: If the unit is AC powered, make sure that the secondary system is isolated from earth ground.

SPECIFICATIONS

Supply Voltage	12/24 VDC or VAC	Operating Humidity	5 to 95% (non-condensing)
Battery	10mA typical, 150mA maximum	Dimensions	3"W x 5"H x 3"D (7.6 x 12.7 x 7.6 cm)
Contact Rating		Weight	2.5 lb (1.13 kg)
Relay 1	Form "C", 5 Amps @ 24VDC	Warranty	1 year
Relay 2	Form "C", 1 Amps @ 24VDC		
Outputs 3 & 4	Switch to common, 100mA @ 30VDC		
Operating Temperature	-20° to 130°F (-30° to 54°C)		

ORDERING INFORMATION

MODEL	DESCRIPTION
928	Stand-alone digital keypad



ACCESS CONTROL

PUSH TO EXIT SWITCHES 410 AND 420 SERIES

1

ACCESS CONTROL

DESCRIPTION

The **410** and **420 Series** illuminated switches come in two button sizes, 2" x 2" and 1.75" x 1". The high impact resistant material stands up to abuse. The "PUSH TO EXIT" sign complies with NFPA requirements. The **422A** is designed for access and egress applications for the disabled.



423U

413NU

423AU



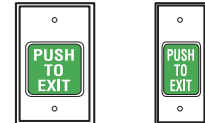
SPECIFICATIONS

Contact Rating	SPDT, 5 Amp @ 30VDC
Timer	
413NU, 423AU, 423U	1 - 60 seconds, 12/24 VDC DPST 2 A
413PNU, 423PU	1 - 180 seconds 12/24 VDC SPDT 3 A
Connections	6" (15.24 cm) leads, 20 gauge
Dimensions	
1 Gang Box	2.87" x 4.5" (7.3 x 11.4 cm)
Narrow Box	1.75" x 4.5" (4.5 x 11.4 cm)
Warranty	1 year

WIRING

Black	-
Red	+
White	COM
Violet	
Orange	N/C
Yellow	N/O
Blue	LAMP
Blue	LAMP

413NU or 423U Manual Release Device



ORDERING INFORMATION

MODEL	DESCRIPTION
412NU	Narrow-gang box, momentary SPDT, push to exit
413NU	Narrow-gang box, integrated electronic timer, DPST 2A, push to exit
413PNU	Narrow-gang box, integrated pneumatic timer, SPDT 3A, push to exit
414NU	Narrow-gang box, momentary DPDT, push to exit
415NU	Narrow-gang box, AA (On/Off) DPDT, none
422U	Single-gang box, momentary SPDT, push to exit
422AU	Single-gang box, momentary SPDT, handicap
423AU	Single-gang box, integrated electronic timer, DPST 2A, handicap
423PU	Single-gang box, integrated pneumatic timer, SPDT 3A, push to exit
423U	Single-gang box, integrated electronic timer, DPST 2A, push to exit
425U	Single-gang box, AA (On/Off) DPDT, none

FINISHES AND OPTIONS

Suffix U indicates stainless steel (default), other available finishes are:

C	Bright Brass
D	Dull Brass
H	Oil Rubbed Bronze
P	Bright Chrome

Add to part number for option

L1G	1 Green LED
LT	Tri-color LED - Red, Green, Amber
L1R	1 Red LED
L2	1 Red, 1 Green LED



REQUEST TO EXIT BUTTON 440 SERIES

DESCRIPTION

The conspicuous **440 Series** heavy duty switch assemblies incorporate a 2-5/8" diameter mushroom button and heavyduty water resistant contacts. The large 2-gang mushroom assembly includes a heavy-duty steel bezel around the button to guard against abuse. When utilized as an Exit or REX switch, the assembly is easy to activate and stands out for persons without prior knowledge of egress operation.

FEATURES

- **Momentary DPST contact**
- **Single or Double gang**
- **Red button**
- **LED options**
- **Multiple finishes available**



441U

446U



1

ACCESS CONTROL

SPECIFICATIONS

Contact Rating	6 Amp @ 30VDC
Timer	1 - 60 seconds, 12/24 AC/DC SPDT 2A (443U Only)
Connections	Screw terminals
Dimensions	
1 Gang Box	2.87" x 4.5" (7.3 x 11.4 cm) (446U Only)
2 Gang Box	4.5" x 4.5" (11.4 x 11.4 cm)
Weight	0.5 lb (0.22 kg)
Warranty	1 year

WIRING

Black	-
Red	+
White	COM
Violet	
Orange	N/C
Yellow	N/O
Blue	LAMP
Blue	LAMP

ORDERING INFORMATION

MODEL	DESCRIPTION
441U	Double gang box, AA(On/Off) DPST, no sign
442U	Double gang box, Momentary DPST, EXIT
443U	Double gang box, Momentary SPDT and timer, EXIT
444U	Double gang box, Momentary 2-DPST, EXIT
446U	Single gang box, Momentary DPST, EXIT

FINISHES AND OPTIONS

Suffix U indicates stainless steel (default), other available finishes are:	
C	Bright Brass
D	Dull Brass
H	Oil Rubbed Bronze
P	Bright Chrome
Add to part number for option	
L1G	1 Green LED
LT	Tri-color LED - Red, Green, Amber
L1R	1 Red LED
L2	1 Red, 1 Green LED



ACCESS CONTROL

REQUEST TO EXIT BUTTON 460 SERIES



1

DESCRIPTION

The **SDC 460 Series** is a heavy duty, vandal-resistant exit switch designed for harsh indoor or outdoor environments. The stainless steel piezoelectric technology is also ideal for high traffic applications. The switch assembly design ensures superior performance in virtually any environment.

FEATURES

- *Vandal-resistant stainless steel piezoelectric button and faceplate*
- *No moving parts*
- *Billion cycle button technology*
- *Bi-color status indicator, red and green*
- *Integrated timer, adj. 1-40 seconds*

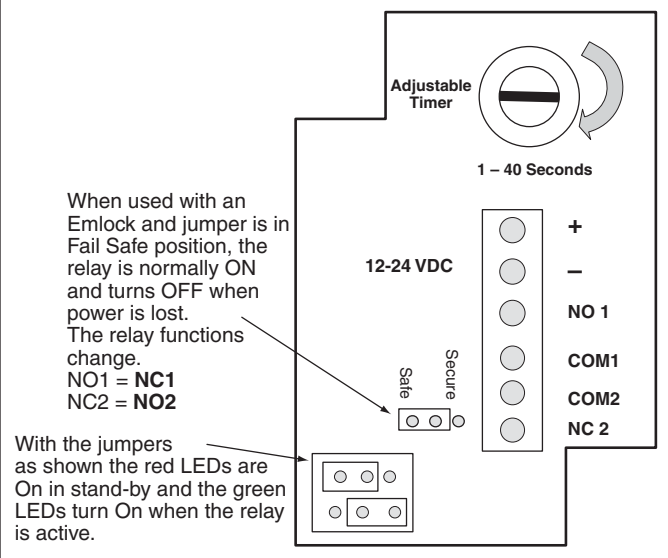


460U

SPECIFICATIONS

Supply Voltage	12/24 VDC
Supply Current	
LED On	Idle-60mA Active-120mA
LED Off	Idle-10mA, Active-60mA
Contact Rating	1 N.O., 1 N.C., 2 Amp @ 30VDC
Timer	1 - 40 seconds
Operating Temperature	-40° to 160° F (-40° to 70° C)
Dimensions	
1 Gang Box	2.87" x 4.5" (7.3 x 11.4 cm)
Narrow Box	1.75" x 4.5" (4.5 x 11.4 cm)
Weight	0.5 lb (0.22 kg)
Warranty	1 year

WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
460U	Single-gang, timer, NO/NC contact, push to exit
460NU	Narrow-gang, timer, NO/NC contact, exit



1

ACCESS CONTROL

DESCRIPTION

The **SDC 602RF** Power Supply-Charger devices are equipped with high performance transformers and highly reliable electronic components. Filtering and output voltage regulation provides protection and ensures the longevity of all system components. The user-friendly modular designs ensure versatility, interface capability and easy installation of electric locking devices, access controls and related safety equipment. The AC input is fuse protected and the secondary DC output is protected by auto-reset poly fuse.

FEATURES

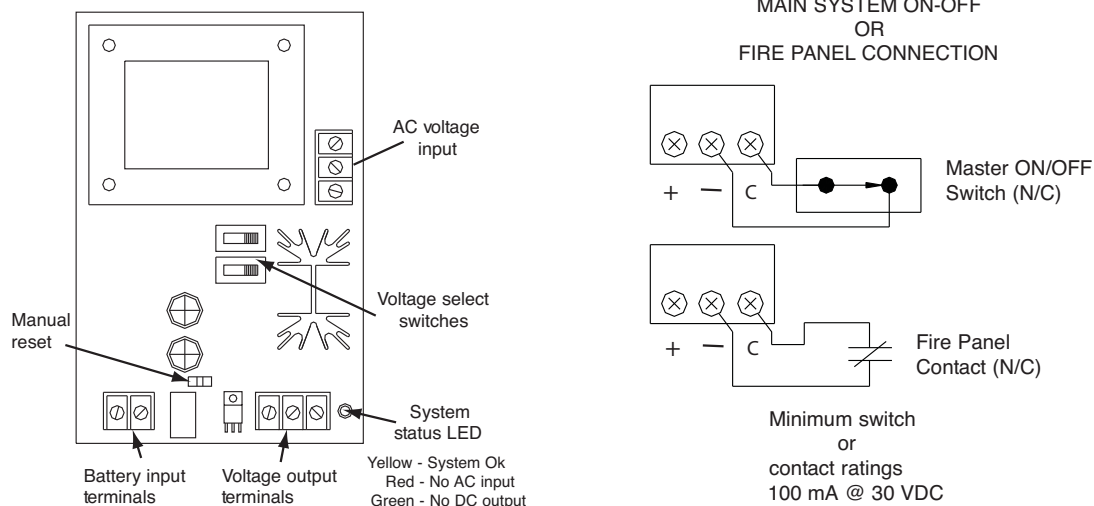
- **Emergency release input**
- **Field selectable output 12/24VDC**
- **Input and output protection**
- **System status**
- **Low battery disconnect**



602RF



WIRING



SPECIFICATIONS

Supply Voltage	115VAC, 50/60 Hz	Weight	8.8 lb (3.99 kg)
Battery	Charger = 13.5/27VDC, 500 mA	Approvals	UL file #BP7341
Supply Current	600 mA	Warranty	1 year
Output	12/24 VDC, 1 amp		
Dimensions	12"W x 12"H x 4"D (30.5 x 30.5 x 10.2 cm)		

ORDERING INFORMATION

602RF	Power supply 12/24 VDC 1A
KL	Key lock cover
MR	Manual reset fire alarm release
PC	Power cord, 6 ft
PS-1	System on-off push switch mounted inside cabinet
PS-1A	System on-off push switch mounted on outside cover
230VAC	Input (not UL)
4-2	7 Day Skip A Day Timer



ACCESS CONTROL

MINIATURIZED PHOTOELECTRIC BEAM SENSOR PB-10NSE

1

DESCRIPTION

The **PB-10NSE** is designed to cover up to 33' (10m) distance and is usable in a wide variety of applications.

FEATURES

- *Miniaturized control box*
- *Sensor cord can be cut freely*
- *Built-in sensitivity volume*
- *Immune to external light*

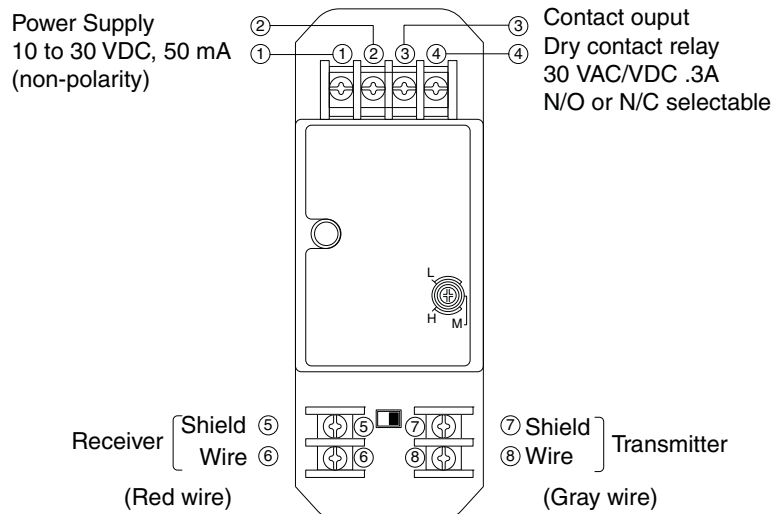


PB-10NSE

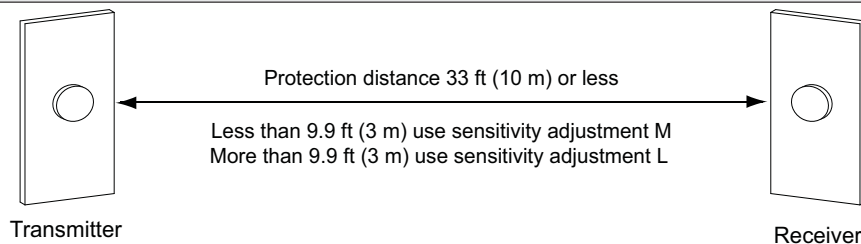
SPECIFICATIONS

Supply Voltage	10 - 30 VDC (non-polarity)	Response Time	Detect 100 msec. or more of beam interruption
Supply Current	45 mA maximum	Operating Temperature	-13° to +131°F (-25° to 55°C)
Contact Rating	Dry contact relay : 30V (AC/DC) 0.3A N/O, N/C selectable	Operating Humidity	5 to 95% (non-condensing)
Detection Type	Near infrared TR/RE	Dimensions	1.7"W x 4.7"H x 1.14"D (4.5 x 12 x 2.9 cm)
Range	33 ft (10 m)	Weight	0.46 lb (0.20 kg)
LED Indication	Red with detection (beam interrupted)	Warranty	1 year

WIRING



RANGE



ORDERING INFORMATION

MODEL
PB-10NSE

DESCRIPTION
33 ft (10 m) miniature flush-mount beam sensor, selectable relay N/O, N/C



REQUEST TO EXIT SENSOR PS-520E



1

ACCESS CONTROL

DESCRIPTION

The **PS-520** is designed for applications involving coverage at the threshold of a doorway. It features several field selectable options and adjustments to make it the ideal choice for access control applications.

FEATURES

- *Adjustable coverage area*
- *Adjustable sensitivity*
- *Single or double door coverage*
- *Overhead or wall mount*
- *Adjustable relay timer*
- *Two relay outputs*
- *Compact design*



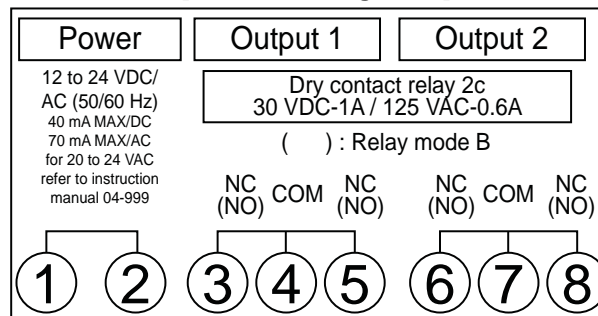
PB-520E

SPECIFICATIONS

Supply Voltage	12 to 24 VDC or 12 to 24* VAC (50Hz/60Hz) *When operated at or above 20 VAC connect attached resistor	Relay Hold Time	.25 - 60 seconds
Supply Current	40 mA/VDC, 70 mA/VAC maximum	Operating Temperature	14° to 122°F (-10° to 50°C)
Contact Rating	30V (DC) 1A or less / 125V (AC) 0.6A or less	Operating Humidity	5 to 95% (non-condensing)
Detection Type	Passive infrared	Dimensions	6.3"W x 2.3"H x 1.57"D (16 x 6 x 4 cm)
Beam Pattern	Single or Double door	Weight	0.36 lb (0.16 kg)
Range		Warranty	1 year
Wall Mount	Vertically 35°(8 steps)		
Overhead Mount	Vertically 20°(5 steps)		

WIRING

[Terminal Arrangement]



ORDERING INFORMATION

MODEL
PS-520E

DESCRIPTION
Passive infrared request-to-exit sensor



ACCESS CONTROL

REQUEST TO EXIT MOTION SENSOR MD-31D

1

ACCESS CONTROL

DESCRIPTION

The **MD-31D** passive infrared detector is specifically designed for request-to-exit applications. It has an adjustable 1-60 second time delay. When angled 14° down, coverage may be 5 x 6 feet at 7 feet high to 10 x 12 feet at 15 feet high. The **MD-31D** projects a wrap around "U" pattern down and away from the door to inhibit tampering. The **MD31D** may be mounted to frame header, wall or ceiling.

FEATURES

- Adjustable 1- 60 second time delay
- Micro-based signal processing
- Adjustable "tamper proof" shutters to enable precise target area detection
- Two Form C outputs
- Swivel optics - allow for offset mounting
- Patented black bug guard
- Available in white or black



MD31D-W

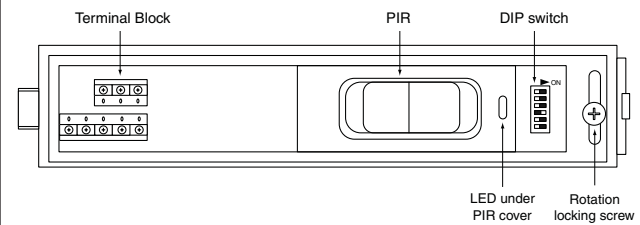


MD31D-B

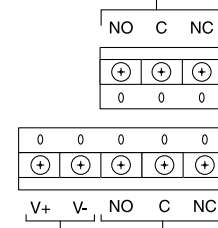
SPECIFICATIONS

Supply Voltage	12/ 24 VDC or VAC
Supply Current	26 mA maximum
Contact Rating	2 SPDT dry, 2 Amp @ 30VDC
Detection Type	Passive infrared
Relay Hold Time	1 - 60 seconds
LED Indication	Green (ready)
Range	14° down, coverage 5 x 6 ft at 7 ft high to 10 x 12 ft at 15 ft high
Operating Temperature	-20° to 120° F (-29° to 49° C)
Dimensions	6.25"W x 1.5"H x 1.5"D (14.8 x 3.8 x 3.8 cm)
Weight	0.4 lb (0.18 kg)
Warranty	1 year

WIRING



Alarm relay, connect to magnetic lock
Access control system or alarm system



Connect to AC or DC

Alarm relay, connect to magnetic lock
Access control system or alarm system

ORDERING INFORMATION

MODEL	DESCRIPTION
MD-31D-B	PIR motion detector, black
MD-31D-W	PIR motion detector, white