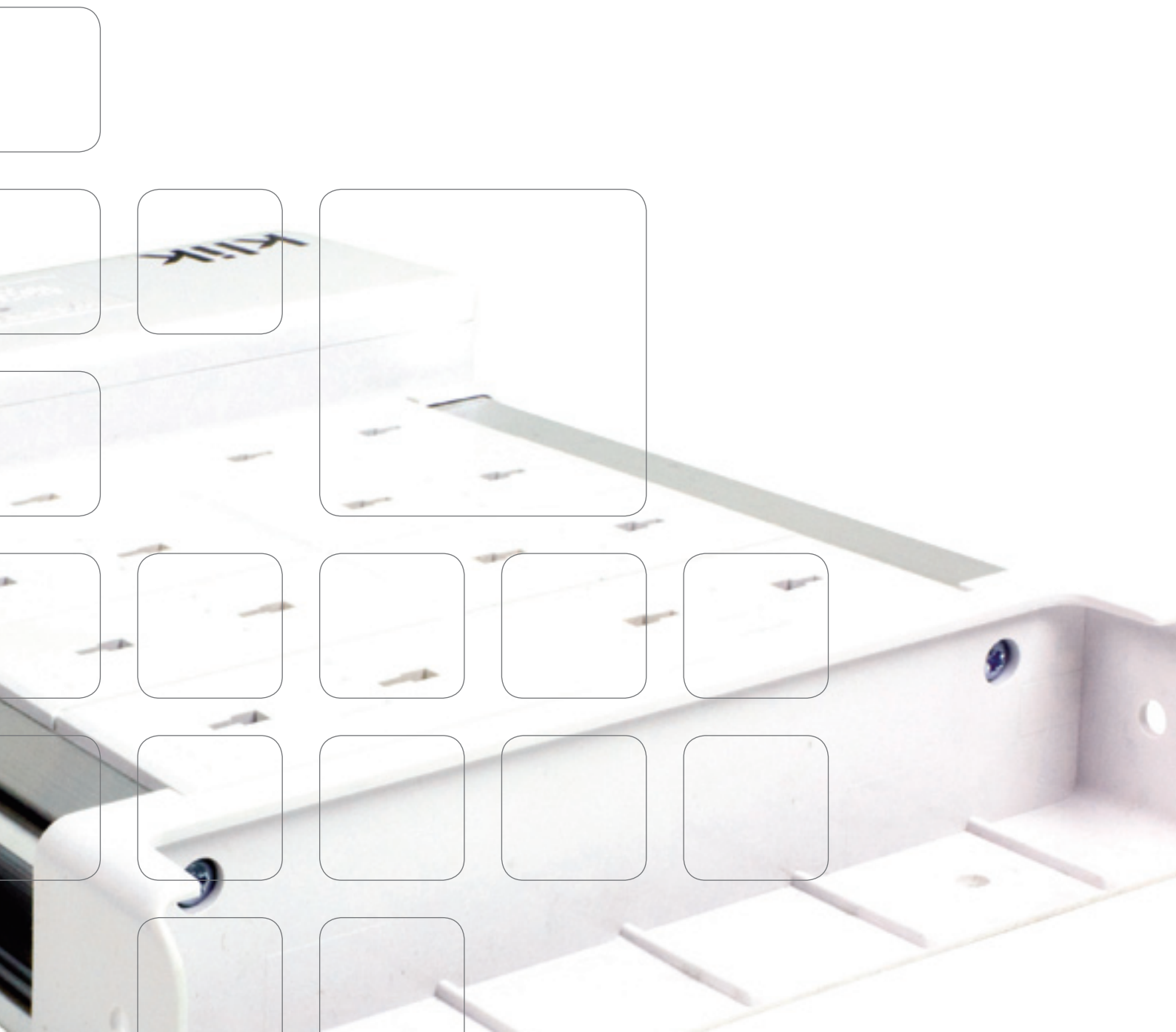


# klik.LDS

## Lighting Distribution System

With the klik connector system luminaires can be plugged in, in seconds, with absolute safety, and without circuit isolation. All live contacts are inaccessible and the earthing connection is made before any other.

The non-wander design prevents disconnection of the plug from its socket by vibration or snatch withdrawals.



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# Marshalling boxes KLDS

The klik connector system, brings plug-in convenience and versatility for lighting.

It is a unique modular plug and socket interface that provides simultaneous mechanical and electrical connection in one click-in action.

Luminaires can be plugged in, in seconds, in absolute safety, without circuit isolation. All live contacts are inaccessible and the earthing connection is made before any other.



## The advantages for you:

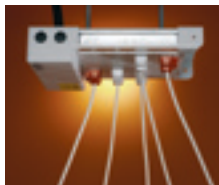
- Quick and easy plug-in convenience.
- Simultaneous mechanical and electrical connection in a single klik action. Earthing connection is made before any other.
- Klik exceeds the relevant British Standard requirements and enables compliance with IEE Wiring Regulations and Safety Regulations.

## Technical data:

- Complies with BS5733.
- Main terminal capacity 5 x 4mm<sup>2</sup>.
- Flexible conductor capacity 1 x 1mm<sup>2</sup>.
- Main terminals rated 16 Amp, each socket outlet rated 6 Amp, flexible conductor terminals rated at 10Amp.
- Aluminium extruded body.
- All socket outlets factory connected and tested.

# Quick tips

1



## Suspended

Klik can be hung from the ceiling suspension system via drop rod and Caddy Clips™. *Caddy clip is a registered trade mark of Erico Europa (GB) Ltd.*

4



## Dual switching

Single or dual switching capability can be selected via a copper link. Use of this link will switch all outlets as one circuit or remove it to control two lighting circuits from one LDS unit.

2



## Terminal cover

Compact dimensions allow for installation in confined ceiling voids. The terminal cover easily slides off from the front facilitating KLDS usage in confined spaces.

5



## Terminal blocks

A separate terminal block is provided for connection of flexible cords. In line with wiring regulations large barriers between terminals provide segregation.

3



## Socket outlets

Each socket outlet will accept 3 or 4 pin plugs.



## Occupancy Sensor

Use klik with occupancy sensors for enhanced control.

# Occupancy sensors EEK

## The new occupancy sensor range

The Hager range of occupancy sensors detect infra-red radiation and ambient light levels to provide simple and cost effective means of lighting control.

The EEK range of sensors should be mounted in the centre of the group of luminaires to be controlled and the optimum all round coverage is achieved with the unit mounted at a height of 2.5m. The coverage for these sensors at this height is approximately 5m diameter for small movement such as working at a desk, and 7m for larger movements such as walking.



### The advantages for you:

- Digital switching capability, **up to 24 DSI or DALI ballasts.**
- Integral photocell allows for lighting control which can provide energy savings by not operating when sufficient natural light levels exist.
- Wide operating range to suit most commercial applications. Allows overrun of lighting to be customised to installation.
- Available pre-wired, reduces installation time on site and requirement for non-standard cable.

### Technical data:

- Integral photocell 5 - 1000 lux
- Detection:
  - 5m high sensitivity detection
  - 7m motion detection
- Time out adjustment:
  - 2 min - 57 min with remote programmer
  - 1 min - 1 hour with potentiometer
- Pre-wired cable:
  - 3m 1.5mm<sup>2</sup> Low Smoke Zero Halogen for Relay model
  - 3m 0.75mm<sup>2</sup> Low Smoke Zero Halogen for Digital model

# Quick tips

1



## Integral Photocell

Automatic lighting control which can provide energy savings by not operating when sufficient natural light levels exist.

110011001110  
010110001101  
010110010000  
011011110110  
110011001110

## Digital Switching

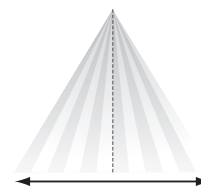
Up to 24 DSI or DALI ballasts.  
Automatic detection of ballast type.

2



## Potentiometers

Hidden behind a discreet sliding cover the potentiometers allow limited control of sensors.



## Detection

High sensitivity detection will react to small movements, such as somebody working at a desk. Motion detection will react to larger movements, such as walking.

3



## Lux setting via remote

Allows set point to be increased or decreased in 100 lux steps on digital light fittings from the EEK001 remote programmer. Makes adjustment of photocell set point convenient.



## EEK001 Programming Tool

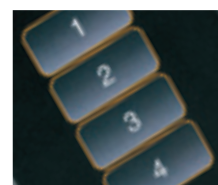
Programming tool is easy to use with 2 memory settings to enable repeatability.

4



## Time out adjustment

Wide operating range to suit most commercial applications. Allows overrun of lighting to be customised to installation.



## EEK002 Remote Control

Comes with a wall mounting bracket for storage and allows room occupant to have control of lighting output.

- Complies with BS 5733.
- Main terminal capacity 5 x 4mm<sup>2</sup>.
- Flexible conductor terminal capacity 1 x 1mm<sup>2</sup>.
- Main terminals rated 16 Amps. Each socket outlet rated 6 Amps. Flexible conductor terminals rated at 10 Amps.
- All socket outlets factory connected and tested.
- Aluminium extruded body.
- All plastic 'V0' rated.
- Socket outlets accept either klik lighting (3 pin) plugs, klik AX (4 pin) plugs and klik pre-wired leads.
- Cable entries will accept 20mm or can be drilled out to 25mm.
- Self-retained cover screw.

#### Marshalling Boxes

No of Outlets	Dimensions h x w x d (mm)	Pack qty.	Cat ref.
4	222 x 238 x 73	1	<b>KLDS4</b>
6	222 x 288 x 73	1	<b>KLDS6</b>
8	222 x 338 x 73	1	<b>KLDS8</b>
10	222 x 388 x 73	1	<b>KLDS10</b>
12	222 x 438 x 73	1	<b>KLDS12</b>



KLDS6



KLDS8



KLDS10



KLDS12

- Presence detection mode:  
Allows lighting to be controlled ensuring that lighting is only energised when people are in the detection area.
- Absence detection mode:  
Requires lighting to be activated by a wall switch or remote control to switch lighting on. Lighting then remains on during presence and switches off after time out period from last presence detection. Offers potentially the best energy savings.
- Wall switch override allows lighting state to be changed between states or dimmed up and down on digital fittings.
- 5m high sensitivity detection will react to small movements, such as somebody working at a desk.
- 7m motion detection will react to larger movements, such as walking.
- Integral photocell 5 - 1000 lux. Lux setting can be increased and decreased in increments of 100 lux.
- EEK001 programming tool is easy to use with 2 memory settings to enable repeatability.
- EEK002 remote control comes with a wall mounting bracket for storage and allows room occupant to have control of lighting output.
- Time out adjustment:  
2 - 57 mins with remote programmer.  
1 min - 1 hour with potentiometer.
- Switching capability - relay  
Incandescent Halogen - 2300W.  
Halogen ELV via ferromagnetic or electronic transformer - 1500W.  
Compact Fluorescent - 23 x 23W.  
Parallel compensated fluorescent tubes - 1000W  
Fluorescent via electronic ballast - 1000W.
- Digital switching capability.  
Up to 24 DSI or DALI ballasts.
- Walk test mode.
- Factory presets:  
Lux = 400  
Time = 20 min  
Test mode for 2 min.
- 3m 1.5mm<sup>2</sup> Low Smoke Zero Halogen for Relay model.  
3m 0.75mm<sup>2</sup> Low Smoke Zero Halogen for Digital model.
- Can be flush mounted through a 60mm hole, utilises spring clips to ensure a fast and secure mounting method.
- All parts factory connected and tested.
- Time and photocell can be set by controller EEK001 or potentiometer.

### Time Adjustable Occupancy Sensors



EEK520B

Description	Pack qty.	Cat ref.
Standard Occupancy Sensor, Pre-Wired 3m	1	<b>EEK513W</b>
Standard Occupancy Sensor	1	<b>EEK510B</b>
Digital Occupancy Sensor, Pre-Wired 3m	1	<b>EEK523W</b>
Digital Occupancy Sensor	1	<b>EEK520B</b>
Surface Mount Kit	1	<b>EEK005</b>

### Programming Tool & Remote Controller



EEK001



EEK002

Description	Pack qty.	Cat ref.
Programming Tool	1	<b>EEK001</b>
Remote Control	1	<b>EEK002</b>



- Switching capacity 6 Amps for all fluorescent loads.
- Connections: live and neutral inputs to occupancy sensor. Switched live output to luminaire(s) or klik LDS
- Occupancy sensor range: 6m diameter at 2.4m high
- Occupancy time out period: 3 to 45 minutes
- Materials: All materials 'V0' rated
- OSFM/P supplied with 3m conductor 1.00mm<sup>2</sup> low smoke zero halogen as standard
- All parts factory connected and tested
- Factory settings 20min delay off. Photocell deactivated

N.B. OSDCP programming tool required to change factory settings

### Occupancy Sensors & Remote Controllers

Description	Pack qty.	Cat ref.
Flush Mounted	1	<b>OSFM</b>
Hand Held Remote Control ON / OFF Switching	1	<b>OSRC</b>
Hand Held Remote Control <b>ON</b> / OFF Switching and Programmer	1	<b>OSRCP</b>



OSFM



OSRC

- Complies with BS 6972 and BS 5733
- PCR2000 plug cat. ref. P22, socket cat ref. S27 and Cover, cat. ref. A1
- PCR2000 provides loop-in terminal bank wiring within integral surface mounting socket base
- PCR2000 base terminals accepts 2 x 4mm<sup>2</sup> conductor.
- 6 Amp 250V A.C
- Sockets have 4 terminations: live, neutral, earth and loop-in
- Plugs have 3 terminations: live, neutral and earth
- Static loading - 5kg maximum
- Fixing: 50.8mm Standard Diagonal (BESA)

6 Amp 3 Pin Ceiling Rose



PCR2000

Dimensions	Pack qty.	Cat ref.
75mm Diameter x 44mm, 7mm Back Projection	10	PCR2000

6 Amp 3 Pin Ceiling Rose Cover



A1

Dimensions	Pack qty.	Cat ref.
75mm Diameter x 44mm	10	A1

- Complies with BS 6972 and BS 5733
- The klik lighting S26/TC socket is an S26 architrave socket pre-assembled with a trunking clamp
- Fast and easy installation of sockets, that have been prewired at bench level, into return edge trunking
- Designed to fit 50mm x 50mm return edge trunking profiles
- This product may not be suitable for all installations. Suitability should be checked prior to commencing work

#### 6 Amp Lighting Trunking Socket with Clamp

Dimensions (mm)	Fixing	Pack qty.	Cat ref.
86 x 33 x 6 7mm Back Projection	Via Integral Trunking Clamp	10	<b>S26/TC</b>



S26/TC

## 6 Amp Plugs

- Complies with BS 6972 and BS 5733
- Suitable for use with any klik lighting or klik AX socket and klik LDS
- 3 pins and cord grip enable up to a 5kg load to be suspended by a flexible cord
- P22 plug is supplied in plug-in Ceiling Rose, Cat No. PCR2000
- Luminaire plugs are designed for incorporation by OEM's.
- Plugs have 3 terminations: live, neutral and earth
- Static loading when load suspended by flexible cord - 5kg maximum

#### Warning

Plugs must not be fitted on the supply side of any installation - they must be connected to the load / fitting / appliance side of the installation.

#### 3 Pin Plug

Description	Fixing	Pack qty.	Cat ref.
With Cord Grip and Cover, 57mm x 25mm x 25mm	Lead	10	<b>P22</b>



P22

- Complies with BS 6972 and BS 5733
- All suitable for use with any standard klik lighting plug
- S27 socket is supplied in plug-in ceiling rose, Cat No. PCR2000
- S27 socket will accept A1 cover
- 6 Amp 250V A.C

### 3 Socket Module



S20/MOP

Description	Fixing	Pack qty.	Cat ref.
54mm x 28mm x 13mm Complete with Panel Mounting Kit	Panel Cut-Out 58mm x 32mm	10	<b>S20/MOP</b>

### Ultra Flush Socket



S21

Description	Fixing	Pack qty.	Cat ref.
86 x 36 x 1.5mm 10mm Back Projection	60.3mm Standard Vertical	10	<b>S21</b>

### Architrave Socket

Description	Fixing	Pack qty.	Cat ref.
86 x 33 x 6mm 7mm Back Projection	60.3mm Standard Vertical	10	<b>S26</b>

### Round Socket

Description	Fixing	Pack qty.	Cat ref.
74mm Diameter x 7mm 7mm Back Projection	50.8mm Standard Diagonal (BESA)	10	<b>S27</b>

### Ultra Flush Round Socket



S28

Description	Fixing	Pack qty.	Cat ref.
86mm Diameter x 1.5mm 10mm Back Projection	60.3mm Standard Vertical	10	<b>S28</b>

- Complies with BS 6972 and BS 5733
- Comprehensive range of pre-wired klik lighting plugs and ceiling roses reduces on-site installation time and cost
- All leads have crimped ends to eliminate breakage, and minimise on-site cable preparation
- PVC flexible cord, complies with BS 6500
- Low smoke zero halogen flexible cord, complies with BS 6500 and BS 7211

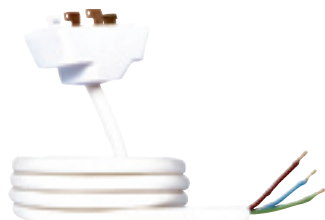


PCR2000/1.0

#### Pre-Wired 6 Amp Plug-In Ceiling Roses

Length	Pack qty.	PVC Cat ref.	Low smoke zero halogen Cat ref.
1 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>PCR2000/1.0</b>	<b>PCR2000/LSF/1.0</b>
2 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>PCR2000/2.0</b>	<b>PCR2000/LSF/2.0</b>
3 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>PCR2000/3.0</b>	<b>PCR2000/LSF/3.0</b>
4 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>PCR2000/4.0</b>	<b>PCR2000/LSF/4.0</b>
2 Metre 1.00mm <sup>2</sup> Flexible Cord	10	<b>PCR2000/1.0PVC/2</b>	<b>PCR2000/1.0LSF/2</b>
3 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>PCR2000/1.0PVC/3</b>	<b>PCR2000/1.0LSF/3</b>
4 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>PCR2000/1.0PVC/4</b>	<b>PCR2000/1.0LSF/4</b>
5 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>PCR2000/1.0PVC/5</b>	<b>PCR2000/1.0LSF/5</b>

## Pre-Wired 6 Amp Plugs



P22/1.0

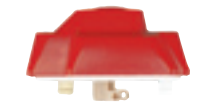
#### 0.75mm<sup>2</sup> Flexible Cord

Length	Pack qty.	PVC Cat ref.	Low smoke zero halogen Cat ref.
1 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>P22/1.0</b>	<b>P22/LSF/1.0</b>
2 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>P22/2.0</b>	<b>P22/LSF/2.0</b>
3 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>P22/3.0</b>	<b>P22/LSF/3.0</b>
4 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>P22/4.0</b>	<b>P22/LSF/4.0</b>
2 Metre 1.00mm <sup>2</sup> Flexible Cord	10	<b>P22/1.0PVC/2</b>	<b>P22/1.0LSF/2</b>
3 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P22/1.0PVC/3</b>	<b>P22/1.0LSF/3</b>
4 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P22/1.0PVC/4</b>	<b>P22/1.0LSF/4</b>
5 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P22/1.0PVC/5</b>	<b>P22/1.0LSF/5</b>

- Complies with BS 6972 and BS 5733
  - **CR64AX**  
Plug Cat ref. P64AXR  
Socket Cat ref. S64AX  
and Cover Cat. ref. A1
- **CR64AX/R**  
Plug Cat ref. P64AXR  
Socket Cat ref. S64AX  
and Cover Cat ref. A1/R
  - 6 Amp 250V A.C
  - Sockets have 5 terminations:  
live, neutral, earth, auxiliary  
and loop-in.
- Plugs have 4 terminations:  
live, neutral, earth and  
auxiliary.
  - Static loading when load  
suspended by flexible cord -  
5kg maximum.

6 Amp 4 Pin Ceiling Rose - White Cover

Description	Pack qty.	White Cover Cat ref.	Red Cover Cat ref.
74mm Diameter x 44mm 7mm Back Projection Fixing 50.8mm Standard Diagonal (BESA)	10	<b>CR64AX</b>	<b>CR64AX/R</b>



CR64AX



CR64AX/R

6 Amp 3 Pin Ceiling Rose Cover

Description	Pack qty.	White Cover Cat ref.	Red Cover Cat ref.
75mm Diameter x 44mm Snap Fits to S27 & S64AX Sockets	10	<b>A1</b>	<b>A1/R</b>



A1



A1/R

- Complies with BS 6972 and BS 5733
- Special purpose 4 pin plug, suitable only for use with klik AX sockets and klik LDS
- P64AXR plug as supplied in plug-in ceiling rose, Cat. No. CR64AX
- 6 Amp 250V A.C

- Plugs have 4 terminations: live, neutral, earth and auxiliary
- Static loading when load suspended by flexible cord - 5kg maximum when used with S64AX socket.

**Warning**

Plugs must not be fitted on the supply side of any installation - they must be connected to the load / fitting / appliance side of the installation.

**6 Amp 4 Pin Plugs**



P64AX/R

Description	Fixing	Pack qty.	Cat ref.
White with Cord Grip and Cover, 57mm x 35mm x 44mm	Lead	10	<b>P64AX</b>
Red with Cord Grip and Cover, 57mm x 35mm x 44mm	Lead	10	<b>P64AX/R</b>

- Complies with BS 6972 and BS 5733
- Sockets suitable for use with any klik lighting or klik AX plug.
- All sockets have 5 terminations: live, neutral, earth, auxiliary and loop-in.
- For special purpose applications eg: emergency lighting.
- S64AX socket is supplied in plug-in ceiling rose, Cat ref. CR64AX.
- S64AX socket will accept A1 A1/R cover.
- S65AX supplied with M3.5 x 25mm fixing screws.

#### Socket Module



S60AX/MOP

Description	Fixing	Pack qty.	Cat ref.
54mm x 37mm x 13mm Complete with Panel Mounting Kit	Panel Cut-Out 58mm x 59mm	10	<b>S60AX/MOP</b>

#### Round Socket



S64AX

Description	Fixing	Pack qty.	Cat ref.
74mm Diameter x 7mm 7mm Back Projection	50.8mm Standard Diagonal (BESA)	10	<b>S64AX</b>

#### Single Gang Square Socket



S65AX

Description	Fixing	Pack qty.	Cat ref.
86 x 86 x 9mm 5mm Back Projection	60.3mm Standard Horizontal	10	<b>S65AX</b>



- Complies with BS 6972 and BS 5733
- PVC flexible cord: BS 6500

- Low smoke zero halogen flexible cord: BS 6500 and BS 7211

#### Pre-Wired 6 Amp Plug-In Ceiling Roses

Length	Pack qty.	PVC Cat ref.	Low smoke zero halogen Cat ref.
1 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>CR64AX/1.0</b>	<b>CR64AX/LSF/1.0</b>
2 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>CR64AX/2.0</b>	<b>CR64AX/LSF/2.0</b>
3 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>CR64AX/3.0</b>	<b>CR64AX/LSF/3.0</b>
4 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>CR64AX/4.0</b>	<b>CR64AX/LSF/4.0</b>
2 Metre 1.00mm <sup>2</sup> Flexible Cord	10	<b>CR64AX/1.0PVC/2</b>	<b>CR64AX/1.0LSF/2</b>
3 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>CR64AX/1.0PVC/3</b>	<b>CR64AX/1.0LSF/3</b>
4 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>CR64AX/1.0PVC/4</b>	<b>CR64AX/1.0LSF/4</b>
5 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>CR64AX/1.0PVC/5</b>	<b>CR64AX/1.0LSF/5</b>



CR64AX/1.0

- Complies with BS 6972 and BS 5733
- PVC flexible cord: BS 6500

- Low smoke zero halogen flexible cord: BS 6500 and BS 7211

#### Pre-Wired 6 Amp Plugs - Red Plug



P64AXR/1.0

Length	Pack qty.	PVC Cat ref.	Low smoke zero halogen Cat ref.
1 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>P64AXR/1.0</b>	<b>P64AXR/LSF/1.0</b>
2 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>P64AXR/2.0</b>	<b>P64AXR/LSF/2.0</b>
3 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>P64AXR/3.0</b>	<b>P64AXR/LSF/3.0</b>
4 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>P64AXR/4.0</b>	<b>P64AXR/LSF/4.0</b>
2 Metre 1.00mm <sup>2</sup> Flexible Cord	10	<b>P64AXR/1.0PVC/2</b>	<b>P64AXR/1.0LSF/2</b>
3 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P64AXR/1.0PVC/3</b>	<b>P64AXR/1.0LSF/3</b>
4 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P64AXR/1.0PVC/4</b>	<b>P64AXR/1.0LSF/4</b>
5 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P64AXR/1.0PVC/5</b>	<b>P64AXR/1.0LSF/5</b>

#### Pre-Wired 6 Amp Plugs - White Plug



P64AX/1.0

Length	Pack qty.	PVC Cat ref.	Low smoke zero halogen Cat ref.
1 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>P64AX/1.0</b>	<b>P64AX/LSF/1.0</b>
2 Metre 0.75mm <sup>2</sup> Flexible Cord	10	<b>P64AX/2.0</b>	<b>P64AX/LSF/2.0</b>
3 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>P64AX/3.0</b>	<b>P64AX/LSF/3.0</b>
4 Metre 0.75mm <sup>2</sup> Flexible Cord	5	<b>P64AX/4.0</b>	<b>P64AX/LSF/4.0</b>
2 Metre 1.00mm <sup>2</sup> Flexible Cord	10	<b>P64AX/1.0PVC/2</b>	<b>P64AX/1.0LSF/2</b>
3 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P64AX/1.0PVC/3</b>	<b>P64AX/1.0LSF/3</b>
4 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P64AX/1.0PVC/4</b>	<b>P64AX/1.0LSF/4</b>
5 Metre 1.00mm <sup>2</sup> Flexible Cord	5	<b>P64AX/1.0PVC/5</b>	<b>P64AX/1.0LSF/5</b>

- Complies with BS 5733
- To complement the range of klik products a selection of moulded mounting boxes is available for either flush or surface mounting
- For more arduous areas, 1 gang and 2 gang metalclad boxes have been adapted to take the klik socket interface.

## Round Surface Box



MB2

Dimensions	Fixing	Pack qty.	Cat ref.
85mm Diameter x 31mm	50.8mm Standard Diagonal (BESA)	10	<b>MB2</b>

## Architrave Flush Box

Dimensions	Fixing	Pack qty.	Cat ref.
80 x 29 x 20mm	60.3mm Standard Vertical	10	<b>MB3/E</b>

# IP66 Outdoor Enclosure

- This product will provide an alternative to hard wiring external lighting connections
- Interfaces two AX 6 Amp sockets into a weather proof enclosure
- Fast connection during fit out.
- Suitable for use in arduous / wet environments.
- Quick and secure method for lighting connections in arduous areas.
- Complies with BS5733, BS EN 60529, BS EN 60670-1

## IP66 2 Gang Socket

Optional padlock



WKAX2

Dimensions h x w x d (mm)	Pack qty.	Cat ref.
140 x 155 x 90mm	1	<b>WKAX2</b>

Product Description	klik Product identification	BS number	Description
<b>klik Lighting Distribution System</b>	KLDS	BS 5733:1995	General Requirements for Electrical Accessories
<b>Occupancy Sensor</b>	OS	BS EN 60669-2-1: 2000 IEC 60669-2-1	Switches for household & similar fixed electrical installations Part 2-1 for Electronic switches.
<b>Mounting Boxes</b>	MB	BS 6972 : 1988	General requirements for Luminaire supporting couplers for domestic, light industrial & commercial use
<b>Mounting Boxes</b>	MP	BS5733 : 1995	General Requirements for Electrical Accessories
<b>klik Ceiling Roses, Plugs, Outlets &amp; Pre-Wired Leads</b>	S, P, PCR	BS5733 : 1995 BS6972 : 1988	General Requirements for Electrical Accessories General requirements for Luminaire supporting couplers for domestic, light industrial & commercial use
<b>IP66 Outdoor Enclosure</b>	WKAX2	BS5733 : 1995 BSEN 60529 : 1992 BSEN 60670-1 : 2005	General Requirements for Electrical Accessories Degrees of protection provided by enclosures Boxes and Enclosures for Electrical Accessories for household and similar
<b>PVC Flexible Cord</b>	PVC	BS6500 : 2000	Flexible cords rated to 300/350V for use with appliances & equipment intended for domestic, office & similar environments.
<b>LSF Flexible Cord</b>	LSF	BS6500 : 2000 BS7211 : 1998	Flexible cords rated to 300/350V for use with appliances & equipment intended for domestic, office & similar environments.

### Product Materials

klik plugs and sockets feature solid brass terminals and phosphor bronze contacts for good conductivity. Moulded components are manufactured from high quality thermoplastics.

### klik Terminal Capacities

	Number of Conductors				
	0.75mm <sup>2</sup>	1.0mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4.0mm <sup>2</sup>
<b>Socket Outlets</b>	-	5	4	3	2
<b>Plugs P22, P64X, P26</b>	1	1	-	-	-

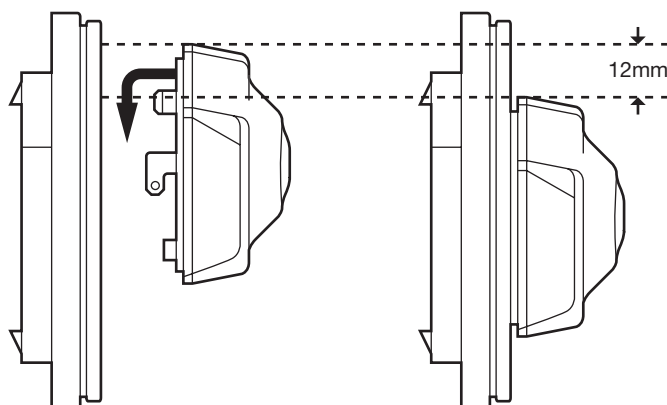
### Cables for klik Plugs

	0.75mm <sup>2</sup> PVC / LSF 3 Core	0.75mm <sup>2</sup> PVC / LSF 4 Core	1.0mm <sup>2</sup> PVC / LSF 3 Core	1.0mm <sup>2</sup> PVC / LSF 4 Core
<b>P22</b>	Y	-	Y	-
<b>P64AX</b>	Y	Y	Y	Y

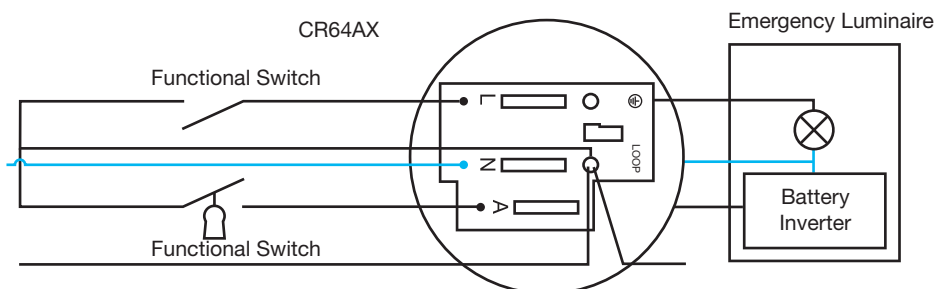
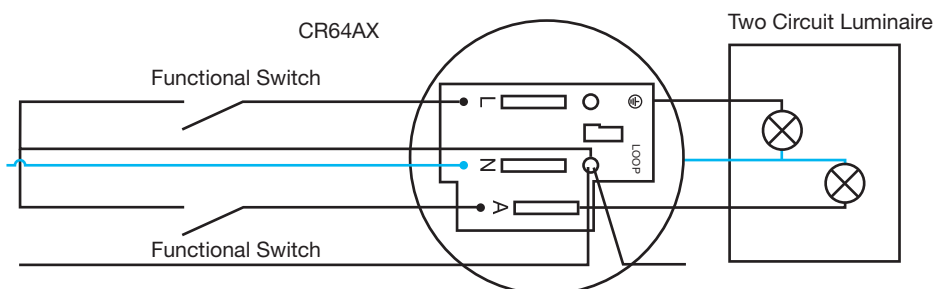
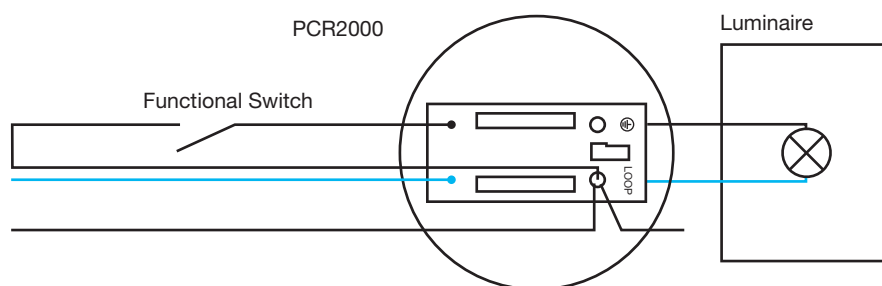
### Application Notes

The mating face of each interface module must be mounted 0.1mm minimum proud of its proposed surround. Engaged plug sits centrally on socket but a minimum of 12mm extra clearance should be maintained north of the upper load grip to allow plug travel.

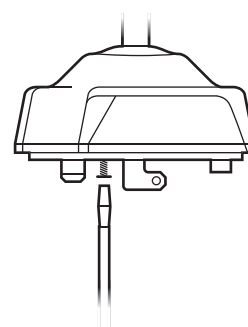
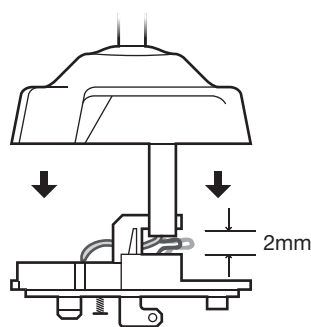
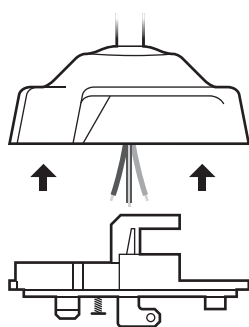
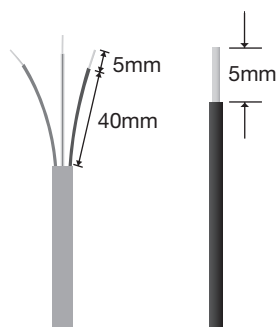
For specific information contact our technical support helpline on: 0870 6076677



These wiring diagrams are typical examples of the applications shown.



Note: Earth connections omitted for clarity



1. Strip cable as above -  
Note: Trim cable tails to  
double over for better  
terminal contact.

2. Remove plug cover.

3. Pass cable through plug cover  
centre hole.

4. Terminate conductors into  
terminals.

5. Push outer sheath of cable  
firmly into jaws of sheath grip,  
making sure that at least 2mm  
of sheath protrudes below the  
grip.

6. Refit cover.

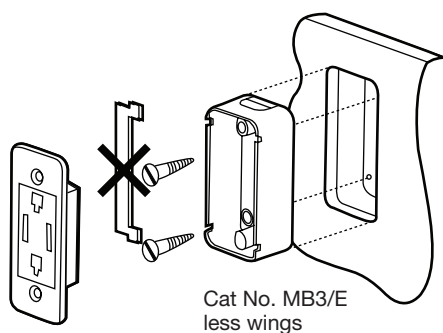
## klik Mounting Box Installation

Cable entry through spout in base of box for maximum wiring space.  
Earth terminal.

MB2 knockouts in base and sides. Supplied with M4 x 20mm long  
fixing screws.

MB3/E is dual purpose box for flush mounting in solid or partition  
walls. Provided with mounting wings for partition use. Supplied  
with M3.5 x 20mm long fixing screws. Cable entry in one end. Earth  
terminal.

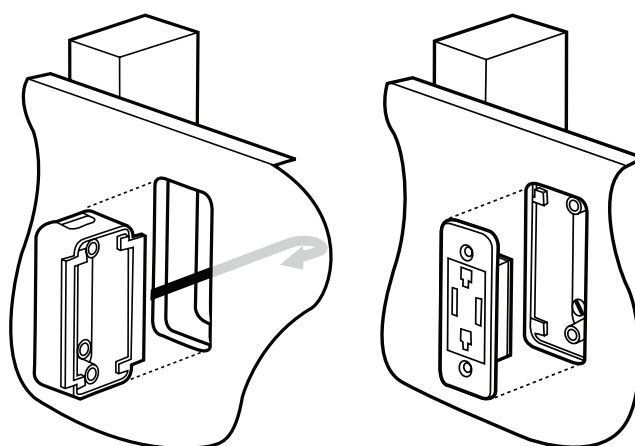
## Flush Mounting for Solid Walls



Cat No. S21 or S121/BL

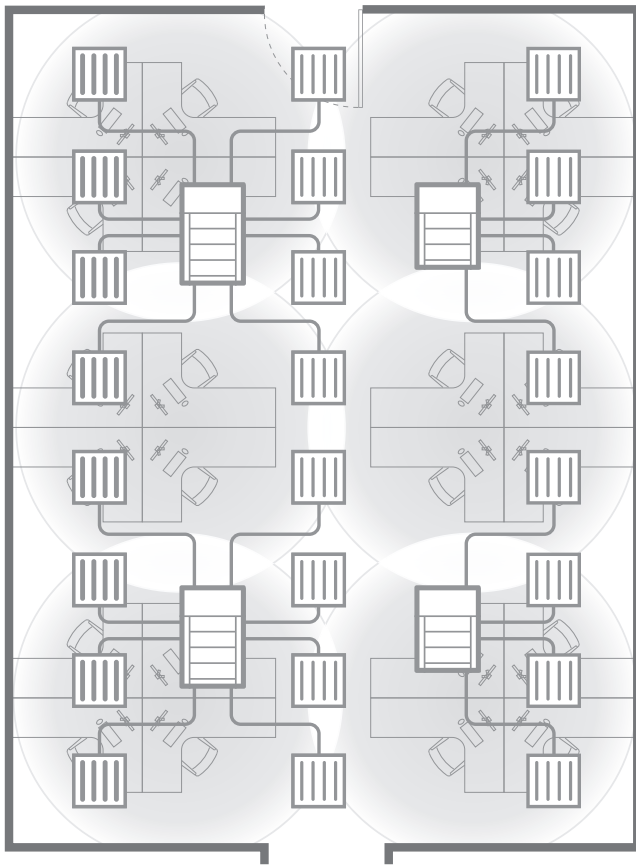
## Flush Mountings for Partition Walls

The mounting wings act as a flange, stopping the box from being  
pulled out of the partition.

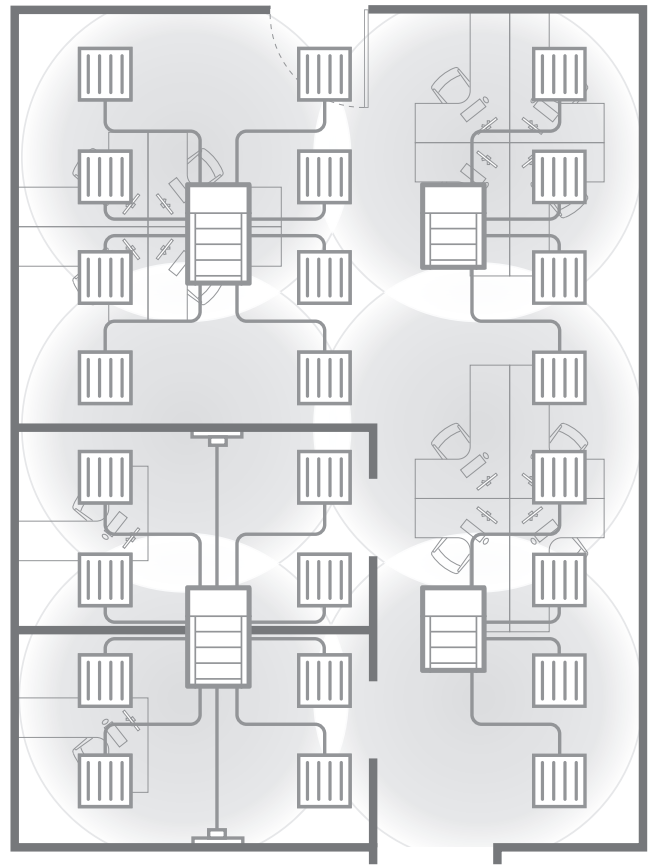


Cat No. MB3/E

Typical lighting scheme utilising klik LDS 6 and klik LDS 8 way lighting distribution system for standard and emergency lighting. Also shown is an LDS 6 with only 4 luminaires connected leaving capacity for future connections.



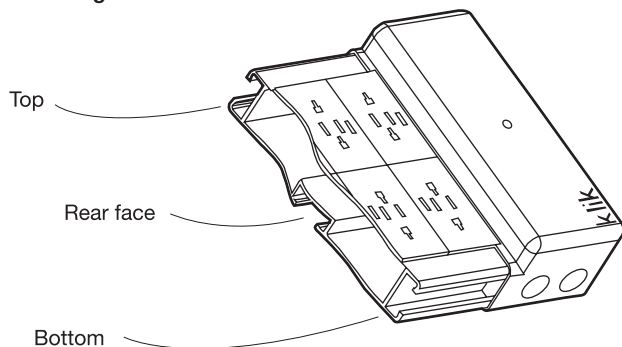
Office layouts are often changed requiring modifications to luminaire switching. This arrangement shows two different offices, each with 4 luminaires being supplied by a single klik LDS 8. Each office is separately switched from standard wall switches.



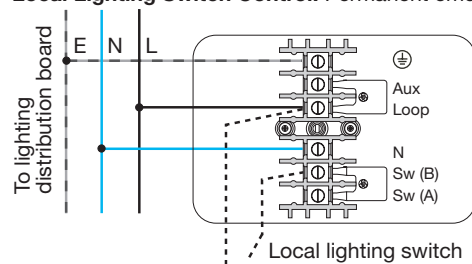
## Mounting Methods

- Hanging from ceiling suspension system with Caddy Clips™
- Direct fixing to lighting trunking
- Direct fixing to ceiling or wall with No. 8 screws

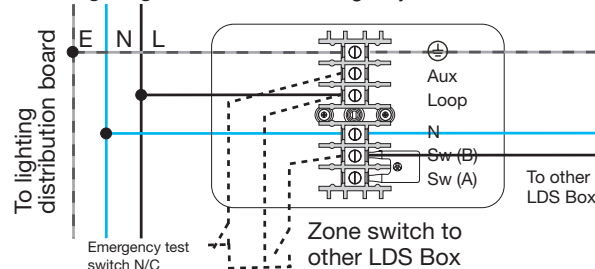
## Mounting Positions



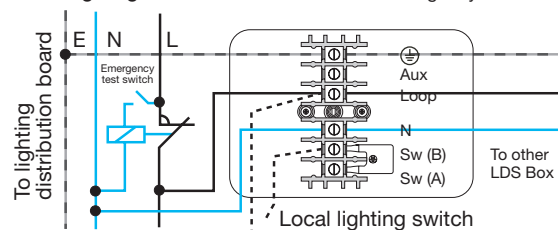
## Local Lighting Switch Control. Permanent emergency feed



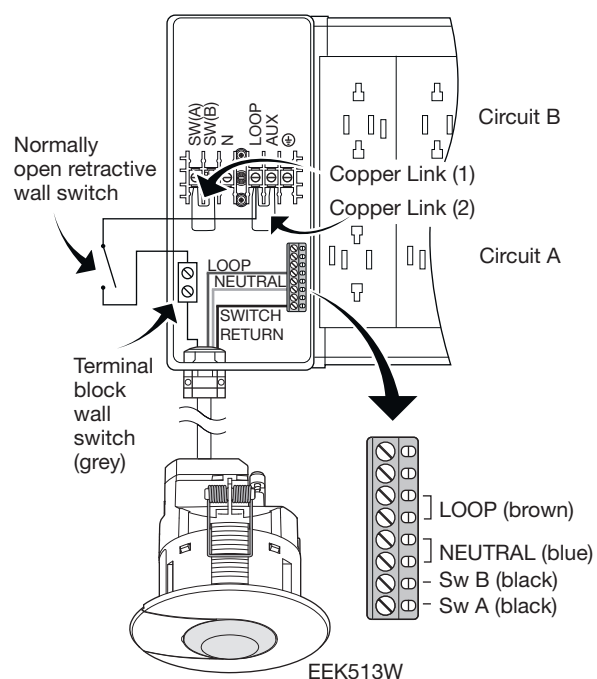
## Zone Lighting Control. Local emergency test control



## Local Lighting Switch Control. Centralised emergency test via keyswitch



## klik.LDS with all ways switched by a single Hager EEK513W occupancy sensor



Switch wire to be connected as required.

## Connected directly to a single luminaire

