



Modular lighting connection & control



# Why choose flex7?

Lighting connection and control products from flex7 can save you time, hassle and money on your next lighting installation

The flex7 System is a fully modular, prefabricated lighting connection and control system that utilises straightforward plug-in connection. Products simply plug-together on site meaning that it can be installed in a fraction of the time that a traditionally wired system could be completed, with less requirement for skilled labour, as a result of reduced on-site terminations.

We have over 20 years of experience in the lighting connection and control industry. All our products are both designed and manufactured in the UK. Our in-house design team focus on creating high quality, user-friendly products. We understand the need for robust products that can be installed quickly and easily on site, within a strict time frame.

Our wide client base encompasses commercial, education, healthcare, public, high street and transport sectors across the UK and Ireland. The flex7 System is suited to use anywhere, from an individual meeting room to an entire luxury office block; our solution can be as simple, or as complex as you require.







## Save Time

Slash installation time on your project.

## Save Energy

Installing flex7 lighting controls can reduce a building's energy use by up to 40%

## Simple Maintenance

Once installed, planned and remedial maintenance of the lighting installation couldn't be easier. Individual luminaires and controls can easily be isolated by unplugging from the Distribution Box, and integrated emergency test is an option.

## Made in Britain

We're very proud to say that our lighting connection & control system and Prota plug-in ceiling rose are all made in Britain.



## Save Money

Reduced installation time on site, and reduced requirement for skilled labour. No expensive commissioning required.

## Easy to install

Products simply plug into one another meaning connection could not be simpler.

## Easy to reconfigure

Extra Distribution Boxes can simply be plugged into existing system to increase no. of outlets, or to add a separately controlled group of luminaires.

## BIM Ready

All relevant products are available as Revit files, to be used in Building Information Modelling.





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# Lighting Distribution Boxes

flex7 Lighting Distribution Boxes were designed with the end user in mind. They're manufactured using robust aluminium to easily survive the rigours of installation. A large wiring compartment gives plenty of room for termination of fixed wiring.

All Distribution Boxes come with a spare outlet on the end, which means that an extra box can be plugged in to add further outlets at any time.

Luminaire Leads, and Control Modules simply plug into any outlet on the box meaning connection takes seconds.



- Compact and Robust
- 7-Pole as standard - use for on/off or dimming control
- 2-12 way options
- Secure plug-in connecton

## Large wiring compartment



## Fixing options

Conduit Box



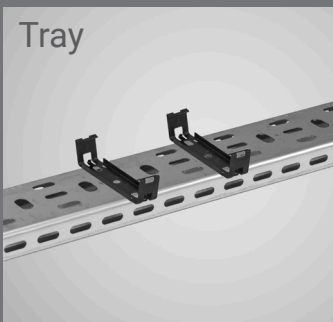
Snap In/Out brackets



Drop Rods



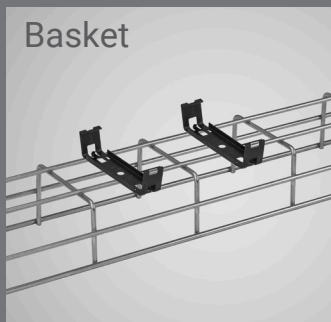
Tray



Trunking



Basket



Solid Surface





## A fully modular system

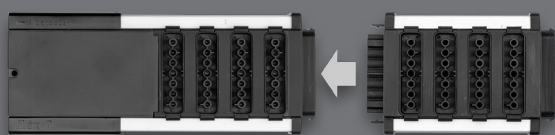
If you simply need to connect a single group of luminaires, then a Starter Distribution Box allows you to do just that.

If you want to add extra luminaires at any stage you just need to plug an Expansion Box into your Starter Box, to provide extra outlets.

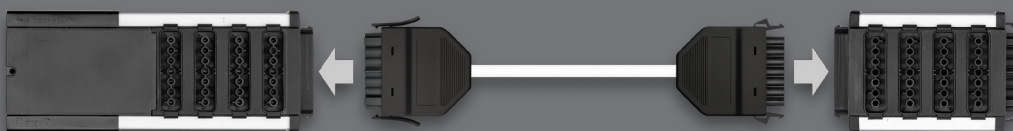
If you want to control a 2nd group of luminaires separately, share power from your Starter Box with a Supply Tap-off Box, by plugging it into the extra outlet.

### You have 2 options for connecting an extra Box:

You can plug them in direct unit-to-unit



or via a lead.



### Alternatives to a Starter Distribution Box:

It's also possible to control 2 groups of luminaires independently of each other from a single box, using a Dual Control Box.

To independently control 2 groups of luminaires, each supplied by its own protective device at the distribution board (essential/non-essential circuits for example), use a Dual Supply Distribution Box.

# Wiring a Lighting Distribution Box

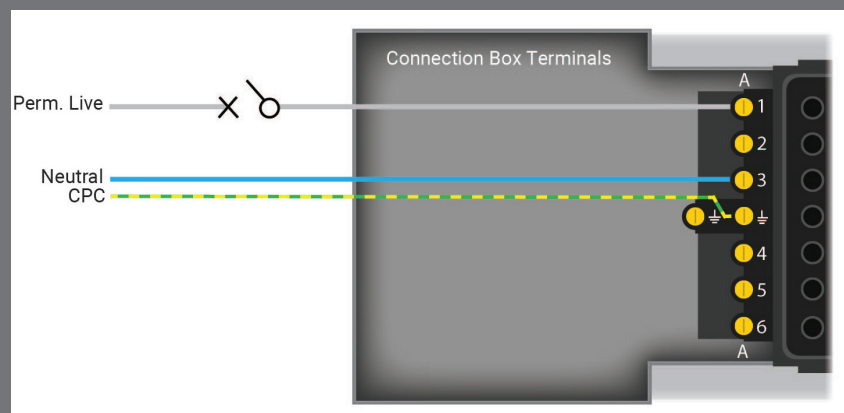
The inherent flexibility of our Lighting Distribution Boxes means they can be used in a multitude of applications. Designed with the installer in mind, wiring / termination can be as simple as Live, Neutral & Earth, whether your control requirements are relatively basic or particularly challenging.

Below you'll find common wiring schematics for each of our three Starter Distribution Box variants when combined with flex7 Plug-in Controls or more traditional hard-wired / 3rd Party controls.

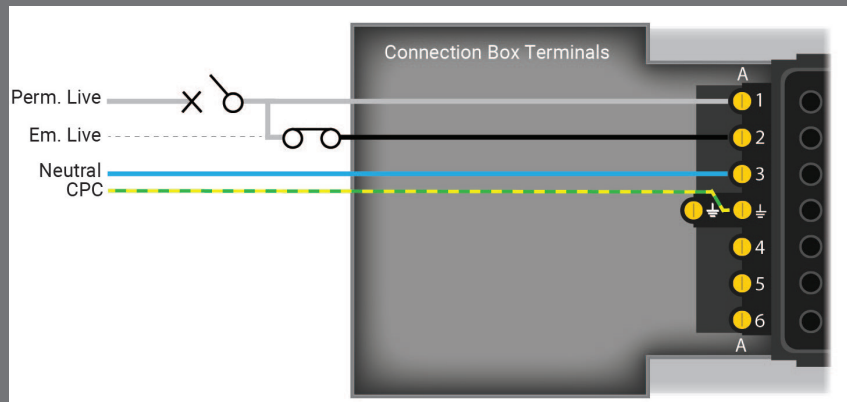
The final schematic in each series simply details the intended use of each terminal; simply choose which to use depending on your application at the time.

## Starter Distribution Box – 1 Supply, 1 Control

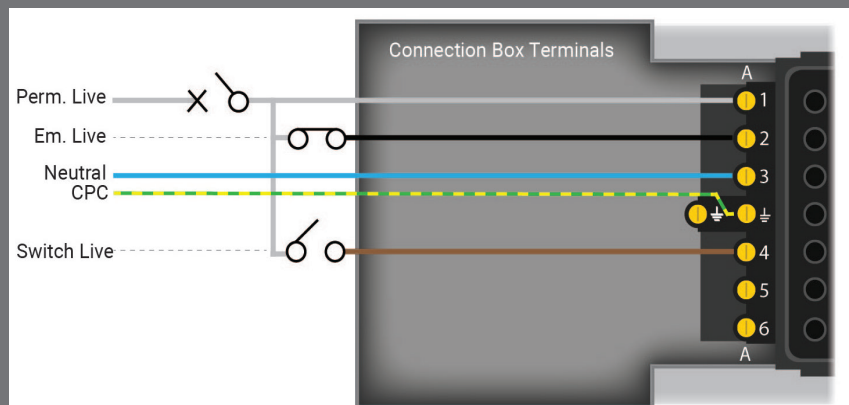
Using flex7 plug-in control devices c/w integral emergency luminaire test means only a permanent live, neutral and earth are required.



Using flex7 plug-in control devices without integral emergency luminaire test means only a permanent live, emergency live, neutral and earth are required.

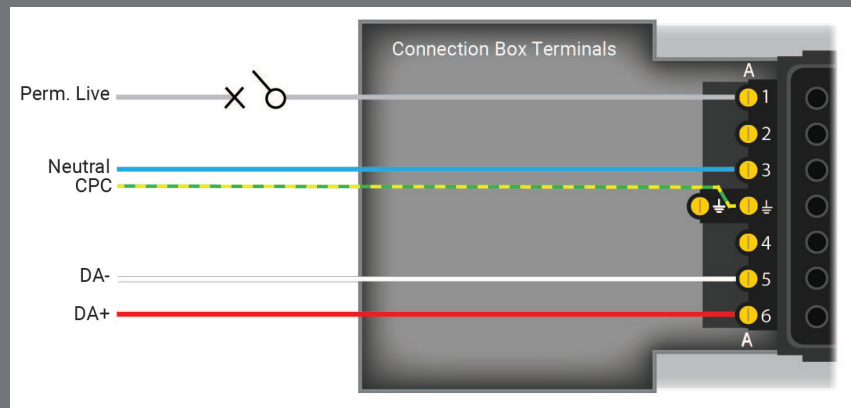


Using more traditional hard-wired control and emergency luminaire test means a permanent live, emergency live, neutral, earth and switch live are required.

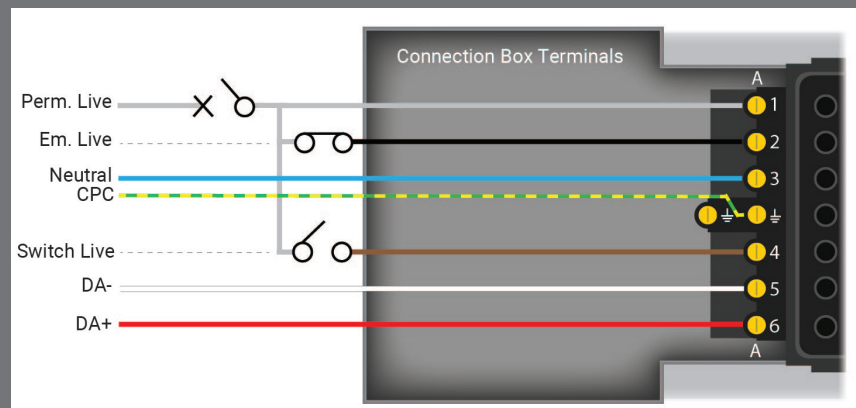




Incorporating alongside a centralised control system means a permanent live, neutral, earth and control pair e.g. DALI are required.

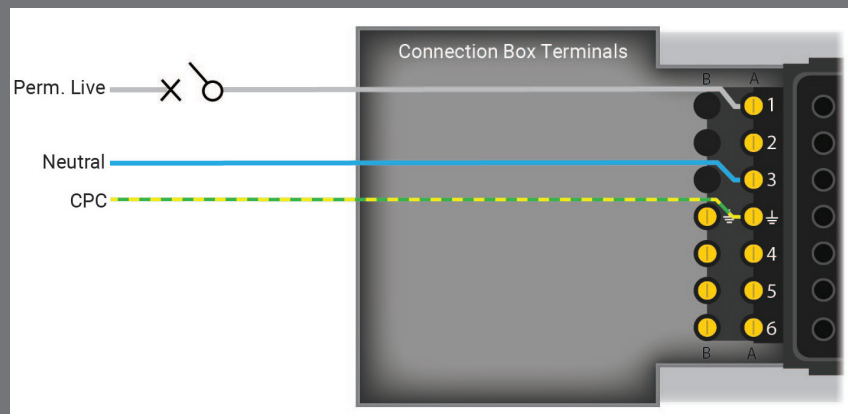


Standard flex7 wiring configuration for all 7 terminals in a starter distribution box.

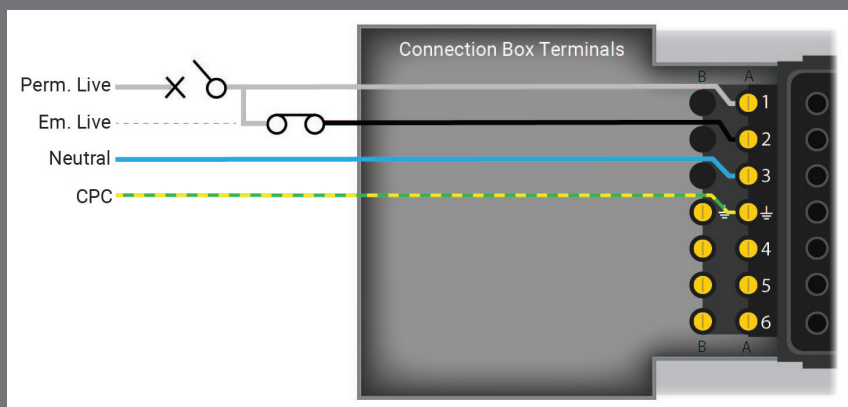


## Dual Control Distribution Box - 1 Supply, 2 Control

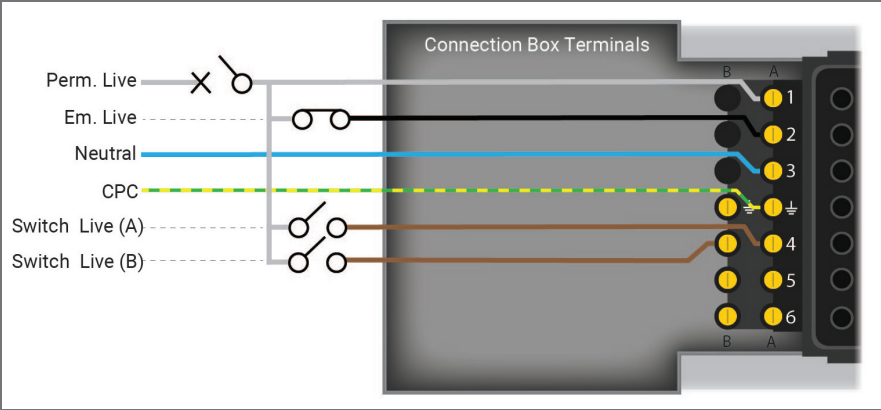
Using flex7 plug-in control devices c/w integral emergency luminaire test means only a permanent live, neutral and earth are required.



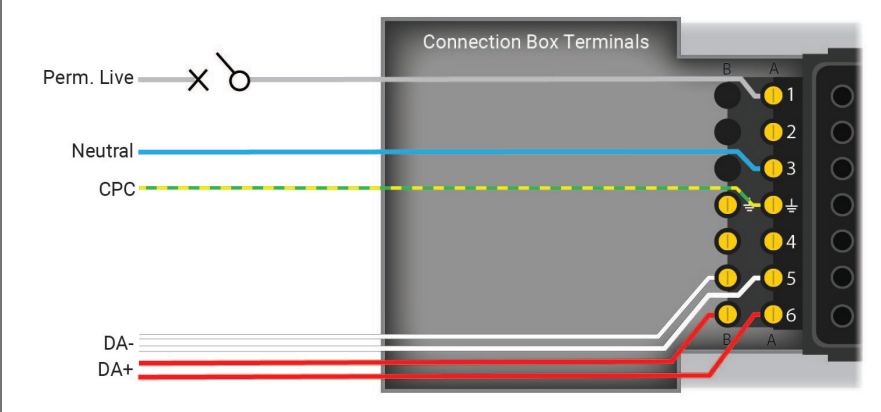
Using flex7 plug-in control devices without integral emergency luminaire test means only a permanent live, emergency live, neutral and earth are required.



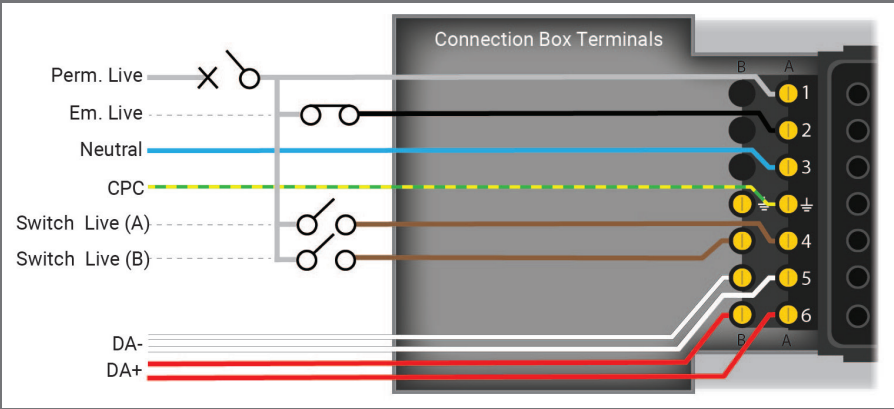
Using more traditional hard-wired control and emergency luminaire test means a permanent live, emergency live, neutral, earth and 2 x switch lives are required.



Incorporating alongside a centralised control system means a permanent live, neutral, earth and 2 x control pair (if desired) e.g. DALI are required.

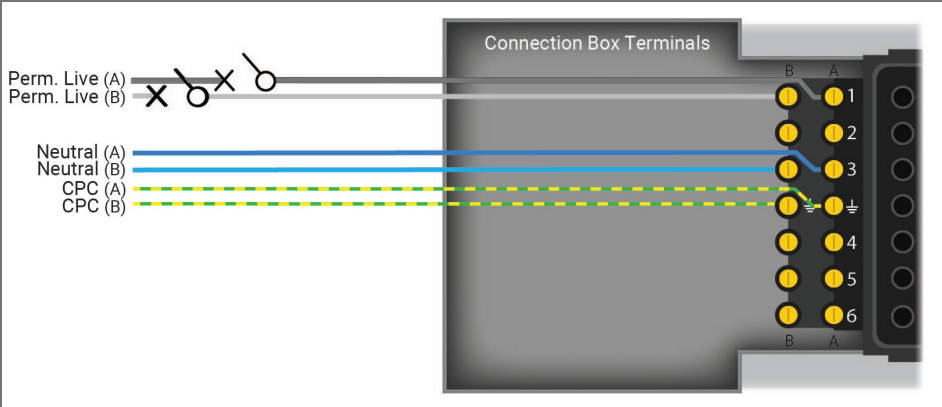


Standard flex7 wiring configuration for all 10 terminals in a dual control distribution box.



## Dual Supply Distribution Box - 1 Supply, 2 Control

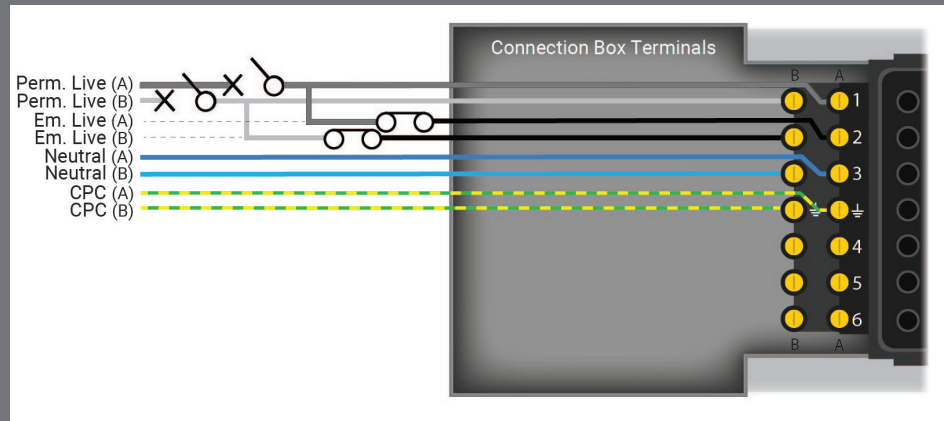
Using flex7 plug-in control devices c/w integral emergency luminaire test means 2 x permanent live, 2 x neutral and 2 x earth are required.



Note: Although the two supplies will have different protective devices, they must be the same phase.

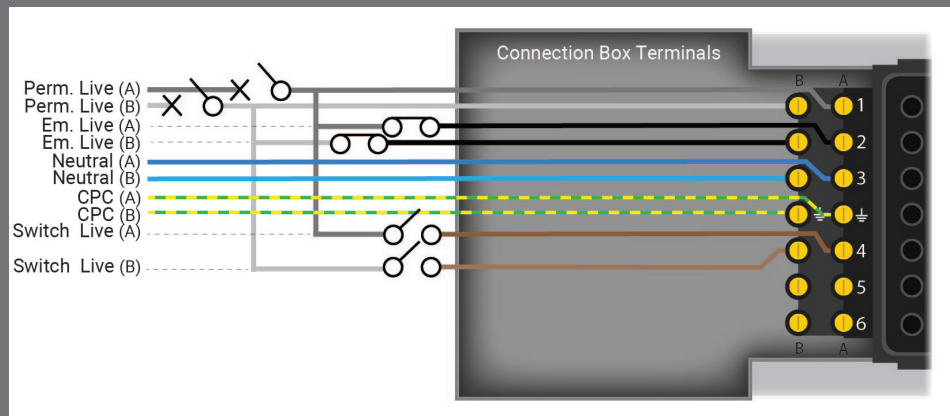


Using flex7 plug-in control devices without integral emergency luminaire test means 2 x permanent live, 2 x emergency live, 2 x neutral and 2 x earth are required.



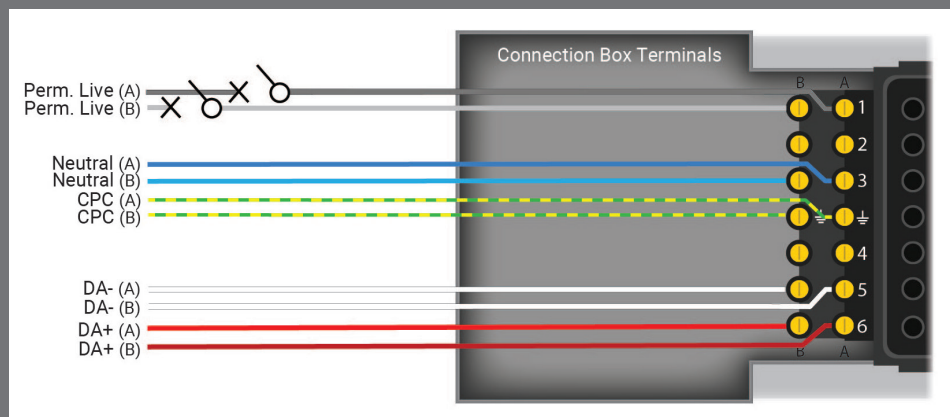
Note: Although the two supplies will have different protective devices, they must be the same phase.

Using more traditional hard-wired control and emergency luminaire test means 2 x permanent live, 2 x emergency live, 2 x neutral, 2 x earth and 2 x switch lives are required.



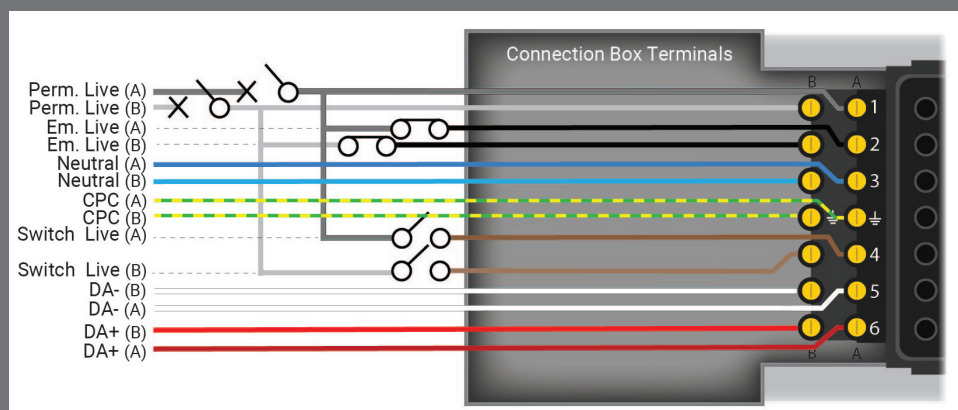
Note: Although the two supplies will have different protective devices, they must be the same phase.

Incorporating alongside a centralised control system means 2 x permanent live, 2 x neutral, 2 x earth and 2 x control pair (if desired) e.g. DALI are required.



Note: Although the two supplies will have different protective devices, they must be the same phase.

Standard flex7 wiring configuration for all 14 terminals in a dual supply distribution box.



Note: Although the two supplies will have different protective devices, they must be the same phase.



## Starter Distribution Boxes

- Use to connect one group of luminaires.
- All flex7 Lighting Distribution Boxes support standard (on/off) or dimmable lighting control in emergency or non-emergency versions.

| DESCRIPTION                     | PART NO. | PRICE   |
|---------------------------------|----------|---------|
| 2-way Starter Distribution Box  | FSU02    | £43.42  |
| 4-way Starter Distribution Box  | FSU04    | £61.86  |
| 6-way Starter Distribution Box  | FSU06    | £80.87  |
| 8-way Starter Distribution Box  | FSU08    | £99.25  |
| 10-way Starter Distribution Box | FSU10    | £118.41 |
| 12-way Starter Distribution Box | FSU12    | £137.84 |



## Dual Control Distribution Boxes

- Use to control 2 groups of luminaires independently of each other. One Control Module is required for each group of luminaires.
- All flex7 Lighting Distribution Boxes support standard (on/off) or dimmable lighting control, emergency or non-emergency.
- Ideal for controlling luminaires adjacent to windows separately to those further away.
- The box's split point can be chosen from the list below:

| DESCRIPTION                                              | PART NO.    | PRICE   |
|----------------------------------------------------------|-------------|---------|
| 2-way Dual Control Starter Distribution Box, Split 1/1   | FSU02DC1/1  | £56.64  |
| 4-way Dual Control Starter Distribution Box, Split 3/1   | FSU04DC3/1  | £73.48  |
| 4-way Dual Control Starter Distribution Box, Split 2/2   | FSU04DC2/2  | £73.48  |
| 6-way Dual Control Starter Distribution Box, Split 5/1   | FSU06DC5/1  | £92.07  |
| 6-way Dual Control Starter Distribution Box, Split 4/2   | FSU06DC4/2  | £92.07  |
| 6-way Dual Control Starter Distribution Box, Split 3/3   | FSU06DC3/3  | £92.07  |
| 8-way Dual Control Starter Distribution Box, Split 7/1   | FSU08DC7/1  | £110.57 |
| 8-way Dual Control Starter Distribution Box, Split 6/2   | FSU08DC6/2  | £110.57 |
| 8-way Dual Control Starter Distribution Box, Split 5/3   | FSU08DC5/3  | £110.57 |
| 8-way Dual Control Starter Distribution Box, Split 4/4   | FSU08DC4/4  | £110.57 |
| 10-way Dual Control Starter Distribution Box, Split 9/1  | FSU10DC9/1  | £129.82 |
| 10-way Dual Control Starter Distribution Box, Split 8/2  | FSU10DC8/2  | £129.82 |
| 10-way Dual Control Starter Distribution Box, Split 7/3  | FSU10DC7/3  | £129.82 |
| 10-way Dual Control Starter Distribution Box, Split 6/4  | FSU10DC6/4  | £129.82 |
| 10-way Dual Control Starter Distribution Box, Split 5/5  | FSU10DC5/5  | £129.82 |
| 12-way Dual Control Starter Distribution Box, Split 11/1 | FSU12DC11/1 | £149.93 |
| 12-way Dual Control Starter Distribution Box, Split 10/2 | FSU12DC10/2 | £149.93 |
| 12-way Dual Control Starter Distribution Box, Split 9/3  | FSU12DC9/3  | £149.93 |
| 12-way Dual Control Starter Distribution Box, Split 8/4  | FSU12DC8/4  | £149.93 |
| 12-way Dual Control Starter Distribution Box, Split 7/5  | FSU12DC7/5  | £149.93 |
| 12-way Dual Control Starter Distribution Box, Split 6/6  | FSU12DC6/6  | £149.93 |



## Dual Supply Distribution Boxes

- ▶ Protected by 2 separate devices at the distribution board. Use to control 2 circuits of luminaires independently of each other. Ensure both supplies are on the same phase.
- ▶ One Control Module is required for each circuit of luminaires. All flex7 lighting Distribution Boxes support standard (on/off) or dimmable lighting control, emergency or non-emergency.
- ▶ Ideal for Essential/Non-Essential applications in hospitals.
- ▶ The box's split point can be chosen from the list below:

| DESCRIPTION                                             | PART NO.    | PRICE          |
|---------------------------------------------------------|-------------|----------------|
| 2-way Dual Supply Starter Distribution Box, Split 1/1   | FSU02DS1/1  | <b>£67.65</b>  |
| 4-way Dual Supply Starter Distribution Box, Split 3/1   | FSU04DS3/1  | <b>£85.42</b>  |
| 4-way Dual Supply Starter Distribution Box, Split 2/2   | FSU04DS2/2  | <b>£85.42</b>  |
| 6-way Dual Supply Starter Distribution Box, Split 5/1   | FSU06DS5/1  | <b>£104.25</b> |
| 6-way Dual Supply Starter Distribution Box, Split 4/2   | FSU06DS4/2  | <b>£104.25</b> |
| 6-way Dual Supply Starter Distribution Box, Split 3/3   | FSU06DS3/3  | <b>£104.25</b> |
| 8-way Dual Supply Starter Distribution Box, Split 7/1   | FSU08DS7/1  | <b>£124.20</b> |
| 8-way Dual Supply Starter Distribution Box, Split 6/2   | FSU08DS6/2  | <b>£124.20</b> |
| 8-way Dual Supply Starter Distribution Box, Split 5/3   | FSU08DS5/3  | <b>£124.20</b> |
| 8-way Dual Supply Starter Distribution Box, Split 4/4   | FSU08DS4/4  | <b>£124.20</b> |
| 10-way Dual Supply Starter Distribution Box, Split 9/1  | FSU10DS9/1  | <b>£142.66</b> |
| 10-way Dual Supply Starter Distribution Box, Split 8/2  | FSU10DS8/2  | <b>£142.66</b> |
| 10-way Dual Supply Starter Distribution Box, Split 7/3  | FSU10DS7/3  | <b>£142.66</b> |
| 10-way Dual Supply Starter Distribution Box, Split 6/4  | FSU10DS6/4  | <b>£142.66</b> |
| 10-way Dual Supply Starter Distribution Box, Split 5/5  | FSU10DS5/5  | <b>£142.66</b> |
| 12-way Dual Supply Starter Distribution Box, Split 11/1 | FSU12DS11/1 | <b>£163.82</b> |
| 12-way Dual Supply Starter Distribution Box, Split 10/2 | FSU12DS10/2 | <b>£163.82</b> |
| 12-way Dual Supply Starter Distribution Box, Split 9/3  | FSU12DS9/3  | <b>£163.82</b> |
| 12-way Dual Supply Starter Distribution Box, Split 8/4  | FSU12DS8/4  | <b>£163.82</b> |
| 12-way Dual Supply Starter Distribution Box, Split 7/5  | FSU12DS7/5  | <b>£163.82</b> |
| 12-way Dual Supply Starter Distribution Box, Split 6/6  | FSU12DS6/6  | <b>£163.82</b> |





## Expansion Distribution Boxes

- ▶ Use to expand the capacity of your preceding Distribution Box eg. plugging a 4-way Expansion Box into an 8-way Starter Box provides a total of 12 outlets.
- ▶ All flex7 Lighting Distribution Boxes support standard (on/off) or dimmable lighting control in emergency or non-emergency versions.
- ▶ Plug-in directly Box to Box, or via a suitable Expansion lead.
- ▶ Luminaires and Control Module can be plugged into any outlet in either Distribution Box. All connected luminaires will operate together; switching on/off or dimming to the same level in unison.

| DESCRIPTION                       | PART NO. | PRICE          |
|-----------------------------------|----------|----------------|
| 2-way Expansion Distribution Box  | FXU02    | <b>£41.29</b>  |
| 4-way Expansion Distribution Box  | FXU04    | <b>£60.28</b>  |
| 6-way Expansion Distribution Box  | FXU06    | <b>£79.70</b>  |
| 8-way Expansion Distribution Box  | FXU08    | <b>£98.61</b>  |
| 10-way Expansion Distribution Box | FXU10    | <b>£117.63</b> |
| 12-way Expansion Distribution Box | FXU12    | <b>£136.83</b> |



## Supply Tap-off Distribution Boxes

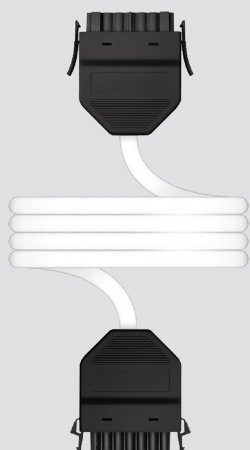
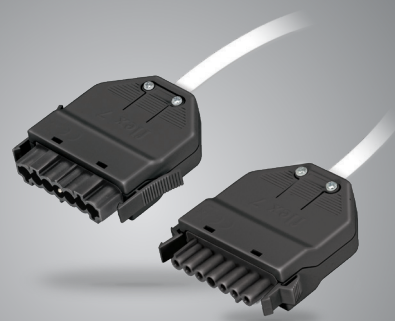
- ▶ Use to extend only the supply (not the control) of preceding Distribution Box, to power a separate group of luminaires, and control them independently. A separate Control Module is required.
- ▶ All flex7 Lighting Distribution Boxes support standard (on/off) or dimmable lighting control in emergency or non-emergency versions.
- ▶ Plug-in directly Box to Box, or via a suitable Supply Tap-off Lead.
- ▶ Ideal for distributing one supply over several rooms or areas. Saves valuable installation time, as only the original Starter Box requires fixed wiring termination.

| DESCRIPTION                            | PART NO. | PRICE          |
|----------------------------------------|----------|----------------|
| 2-way Supply Tap-off Distribution Box  | FTU02    | <b>£38.68</b>  |
| 4-way Supply Tap-off Distribution Box  | FTU04    | <b>£57.79</b>  |
| 6-way Supply Tap-off Distribution Box  | FTU06    | <b>£77.22</b>  |
| 8-way Supply Tap-off Distribution Box  | FTU08    | <b>£96.09</b>  |
| 10-way Supply Tap-off Distribution Box | FTU10    | <b>£115.23</b> |
| 12-way Supply Tap-off Distribution Box | FTU12    | <b>£134.48</b> |

# Expansion Leads

Use if you wish your Expansion Distribution Box to be remote from your preceding Distribution Box eg. you may wish to keep all luminaire leads short along a corridor by using Expansion Distribution Boxes linked together via Expansion Leads.

Can also be used if a Single Socket Outlet or 6-circuit Hub Box is preferred as the initial source. This provides complete flexibility to choose the correct plug-in Box/es at second fix / fit-out.

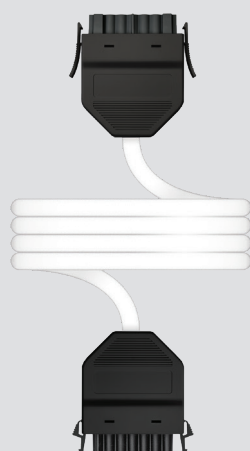


## Standard Expansion Leads

- Use where luminaire control is standard (on/off). Supplied with black plug and socket.

| DESCRIPTION           | LSHF CABLE    | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FX5150LSHF2/B | £31.26 |
| 1.50mm cable, 3 metre | FX5150LSHF3/B | £35.75 |
| 1.50mm cable, 5 metre | FX5150LSHF5/B | £43.92 |
| 1.50mm cable, 7 metre | FX5150LSHF7/B | £52.66 |

Also available in 2.50mm cable. Price on application.



## Dimming Expansion Leads

- Use where luminaire control is dimmable. Supplied with black plug and socket.

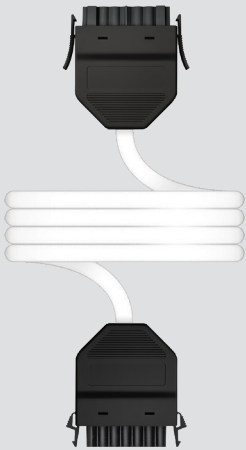
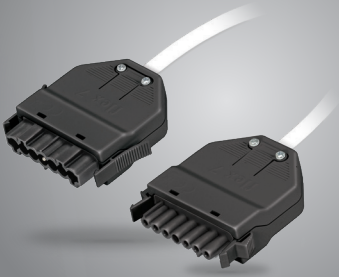
| DESCRIPTION           | LSHF CABLE    | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FX7150LSHF2/B | £40.10 |
| 1.50mm cable, 3 metre | FX7150LSHF3/B | £46.57 |
| 1.50mm cable, 5 metre | FX7150LSHF5/B | £59.56 |
| 1.50mm cable, 7 metre | FX7150LSHF7/B | £73.60 |

Also available in 2.50mm cable. Price on application.

# Supply Tap-off Leads

Use if you wish your Supply Tap-off Box to be remote from the preceding Distribution Box. Can also be used if a Single Socket Outlet or Hub Box is preferred as the initial source. This provides complete flexibility to choose the correct plug-in Box/es at second fix/fit-out.

Ideal for distributing one supply over several rooms or areas. Saves valuable time as only the original Starter Box requires fixed wiring termination.

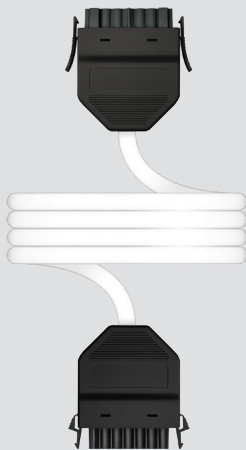


## 3-core

- Use where each interconnected Tap-off Box has its own plug-in emergency test facility. Supplied with a black plug and socket.

| DESCRIPTION           | LSHF CABLE    | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FT3150LSHF2/B | £23.22 |
| 1.50mm cable, 3 metre | FT3150LSHF3/B | £25.93 |
| 1.50mm cable, 5 metre | FT3150LSHF5/B | £30.90 |
| 1.50mm cable, 7 metre | FT3150LSHF7/B | £36.34 |

Also available in 2.50mm cable. Price on application.



## 4-Core

- Use where the emergency test is common to all interconnected Tap-off Boxes. Supplied with a black plug and socket.

| DESCRIPTION           | LSHF CABLE    | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FT4150LSHF2/B | £27.10 |
| 1.50mm cable, 3 metre | FT4150LSHF3/B | £30.79 |
| 1.50mm cable, 5 metre | FT4150LSHF5/B | £38.17 |
| 1.50mm cable, 7 metre | FT4150LSHF7/B | £45.45 |

Also available in 2.50mm cable. Price on application.





## 2nd Switch Relay Distribution Boxes

- ▶ Use to control 2 groups of luminaires in conjunction with a Control Module incorporating a 2nd Switch Relay.
- ▶ All flex7 Lighting Distribution Boxes support standard (on/off) or dimmable lighting control in emergency or non-emergency versions.
- ▶ Ideal for controlling non-dimmable luminaires adjacent to windows, separately to those further away.
- ▶ The F2U Distribution Box must be plugged into a preceding box (preceding box controlled by relay 1, F2U Distribution Box controlled by relay 2).
- ▶ Note: F2U box is not required for Control Modules incorporating an emergency test relay.

| DESCRIPTION                              | PART NO. | PRICE          |
|------------------------------------------|----------|----------------|
| 4-way 2nd Switch Relay Distribution Box  | F2U04    | <b>£72.75</b>  |
| 6-way 2nd Switch Relay Distribution Box  | F2U06    | <b>£93.85</b>  |
| 8-way 2nd Switch Relay Distribution Box  | F2U08    | <b>£112.25</b> |
| 10-way 2nd Switch Relay Distribution Box | F2U10    | <b>£131.07</b> |
| 12-way 2nd Switch Relay Distribution Box | F2U12    | <b>£149.52</b> |

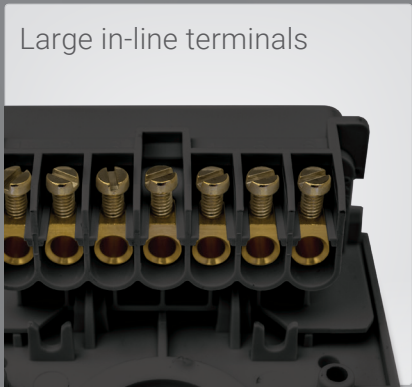
# Single Socket Outlets

Single sockets are ideal where only one outlet is required. Available in 3, 4, 5, 6 and 7-pole variations.

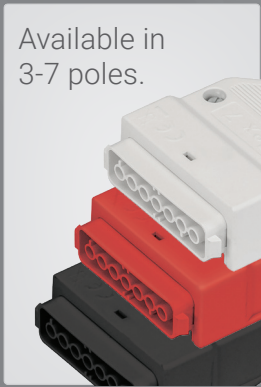
You can use a Single Socket Outlet as the initial power source to simplify and standardise the first fix. This provides complete flexibility to choose the correct plug-in Box/es at the second fix.



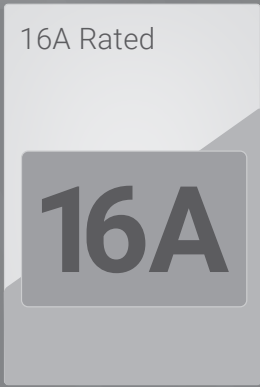
Installer-friendly fixing options



Large in-line terminals



Available in 3-7 poles.



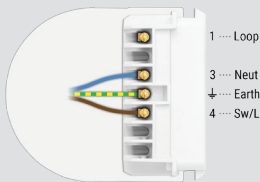
16A Rated

16A

Please note: Boxes of 300 are packed loose (not in boxes of 10), and can only be ordered in multiples of 300.

## 3-Pole Socket

► Use with standard (on/off) luminaires.

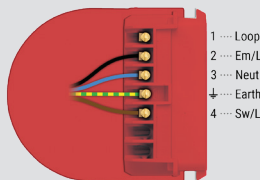


Trunking mount supplied with a 20mm Ø cutout.

| DESCRIPTION                          | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|--------------------------------------|-------------------------|-----------|--------------------------|-----------|
| White 3-pole socket                  | FTS03/W                 | £4.89 EA. | FTS03/W/300              | £4.78 EA. |
| White 3-pole socket + trunking mount | FTS03/TM/W              | £6.32 EA. |                          |           |
| Red 3-pole socket                    | FTS03/R                 | £4.89 EA. | FTS03/R/300              | £4.78 EA. |
| Red 3-pole socket + trunking mount   | FTS03/TM/R              | £6.32 EA. |                          |           |
| Black 3-pole socket                  | FTS03/B                 | £4.89 EA. | FTS03/B/300              | £4.78 EA. |
| Black 3-pole socket + trunking mount | FTS03/TM/B              | £6.32 EA. |                          |           |
| Grey 3-pole socket                   | FTS03/G                 | £4.89 EA. | FTS03/G/300              | £4.78 EA. |
| Grey 3-pole socket + trunking mount  | FTS03/TM/G              | £6.32 EA. |                          |           |

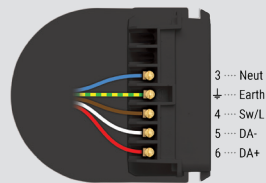
## 4-Pole Socket

► Use with standard (on/off) emergency luminaires.



Trunking mount supplied with a 20mm Ø cutout.

| DESCRIPTION                          | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|--------------------------------------|-------------------------|-----------|--------------------------|-----------|
| Red 4-pole socket                    | FTS04/R                 | £5.75 EA. | FTS04/R/300              | £5.64 EA. |
| Red 4-pole socket + trunking mount   | FTS04/TM/R              | £7.18 EA. |                          |           |
| White 4-pole socket                  | FTS04/W                 | £5.75 EA. | FTS04/W/300              | £5.64 EA. |
| White 4-pole socket + trunking mount | FTS04/TM/W              | £7.18 EA. |                          |           |
| Black 4-pole socket                  | FTS04/B                 | £5.75 EA. | FTS04/B/300              | £5.64 EA. |
| Black 4-pole socket + trunking mount | FTS04/TM/B              | £7.18 EA. |                          |           |
| Grey 4-pole socket                   | FTS04/G                 | £5.75 EA. | FTS04/G/300              | £5.64 EA. |
| Grey 4-pole socket + trunking mount  | FTS04/TM/G              | £7.18 EA. |                          |           |

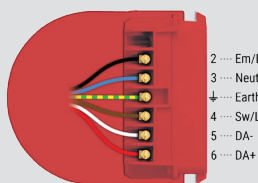


Trunking mount supplied with a 20mm Ø cutout.

## 5-Pole Socket

- Use with dimmable luminaires.

| DESCRIPTION                             | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|-----------------------------------------|-------------------------|-----------|--------------------------|-----------|
| Black 5-pole socket                     | FTS05/B                 | £6.54 EA. | FTS05/B/300              | £6.43 EA. |
| Black 5-pole socket with trunking mount | FTS05/TM/B              | £7.97 EA. |                          |           |
| White 5-pole socket                     | FTS05/W                 | £6.54 EA. | FTS05/W/300              | £6.43 EA. |
| White 5-pole socket with trunking mount | FTS05/TM/W              | £7.97 EA. |                          |           |
| Red 5-pole socket                       | FTS05/R                 | £6.54 EA. | FTS05/R/300              | £6.43 EA. |
| Red 5-pole socket with trunking mount   | FTS05/TM/R              | £7.97 EA. |                          |           |
| Grey 5-pole socket                      | FTS05/G                 | £6.54 EA. | FTS05/G/300              | £6.43 EA. |
| Grey 5-pole socket with trunking mount  | FTS05/TM/G              | £7.97 EA. |                          |           |

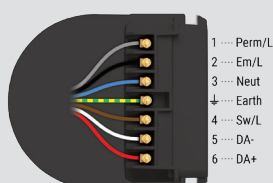


Trunking mount supplied with a 25mm Ø cutout.

## 6-Pole Socket

- Use with dimmable emergency luminaires.

| DESCRIPTION                             | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|-----------------------------------------|-------------------------|-----------|--------------------------|-----------|
| Red 6-pole socket                       | FTS06/R                 | £7.46 EA. | FTS06/R/300              | £7.35 EA. |
| Red 6-pole socket with trunking mount   | FTS06/TM/R              | £8.89 EA. |                          |           |
| White 6-pole socket                     | FTS06/W                 | £7.46 EA. | FTS06/W/300              | £7.35 EA. |
| White 6-pole socket with trunking mount | FTS06/TM/W              | £8.89 EA. |                          |           |
| Black 6-pole socket                     | FTS06/B                 | £7.46 EA. | FTS06/B/300              | £7.35 EA. |
| Black 6-pole socket with trunking mount | FTS06/TM/B              | £8.89 EA. |                          |           |
| Grey 6-pole socket                      | FTS06/G                 | £7.46 EA. | FTS06/G/300              | £7.35 EA. |
| Grey 6-pole socket with trunking mount  | FTS06/TM/G              | £8.89 EA. |                          |           |

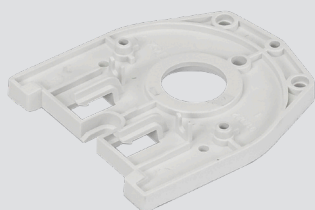


Trunking mount supplied with a 25mm Ø cutout.

## 7-Pole Socket

- Use with special applications.

| DESCRIPTION                             | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|-----------------------------------------|-------------------------|-----------|--------------------------|-----------|
| Black 7-pole socket                     | FTS07/B                 | £8.46 EA. | FTS07/B/300              | £8.35 EA. |
| Black 7-pole socket with trunking mount | FTS07/TM/B              | £9.89 EA. |                          |           |
| White 7-pole socket                     | FTS07/W                 | £8.46 EA. | FTS07/W/300              | £8.35 EA. |
| White 7-pole socket with trunking mount | FTS07/TM/W              | £9.89 EA. |                          |           |
| Red 7-pole socket                       | FTS07/R                 | £8.46 EA. | FTS07/R/300              | £8.35 EA. |
| Red 7-pole socket with trunking mount   | FTS07/TM/R              | £9.89 EA. |                          |           |
| Grey 7-pole socket                      | FTS07/G                 | £8.46 EA. | FTS07/G/300              | £8.35 EA. |
| Grey 7-pole socket with trunking mount  | FTS07/TM/G              | £9.89 EA. |                          |           |



## Trunking Mount Plate

- Use to fix your socket to trunking, cable tray or basket instead of a BESA box.

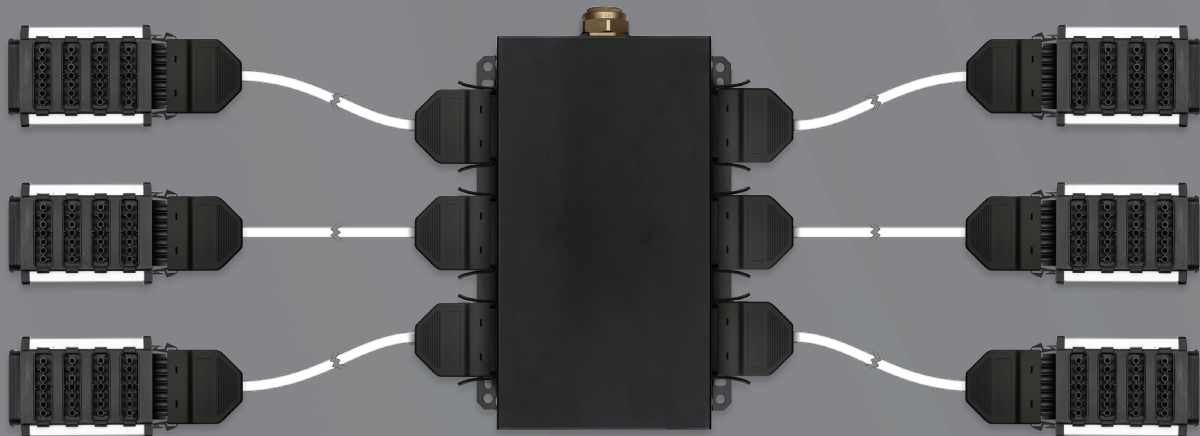
| DESCRIPTION                      | PART NO. | PRICE     |
|----------------------------------|----------|-----------|
| 20mm Ø Cutout, Black (box of 10) | TM/20/B  | £1.56 EA. |
| 20mm Ø Cutout, White (box of 10) | TM/20/W  | £1.56 EA. |
| 20mm Ø Cutout, Red (box of 10)   | TM/20/R  | £1.56 EA. |
| 20mm Ø Cutout, Grey (box of 10)  | TM/20/G  | £1.56 EA. |
| 25mm Ø Cutout, Black (box of 10) | TM/25/B  | £1.56 EA. |
| 25mm Ø Cutout, White (box of 10) | TM/25/W  | £1.56 EA. |
| 25mm Ø Cutout, Red (box of 10)   | TM/25/R  | £1.56 EA. |
| 25mm Ø Cutout, Grey (box of 10)  | TM/25/G  | £1.56 EA. |



# Hubs

Protected by 6 separate devices at the distribution board. Use a hub to provide up to 6 individual supplies, housed in a single enclosure. From there plug-in Expansion Boxes, Tap-off Boxes, Single, or Double Extender Leads as required.

A Hub is essentially 6 separate 7-pole Single Socket Outlets housed in one enclosure into which can be terminated a suitable multi-core cable carrying power and, where necessary, control wiring. It can accommodate supplies on different phases and any additional control wiring as required eg. DALI.



Hub

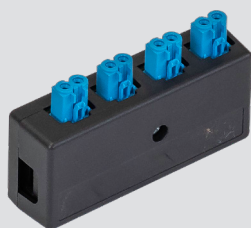
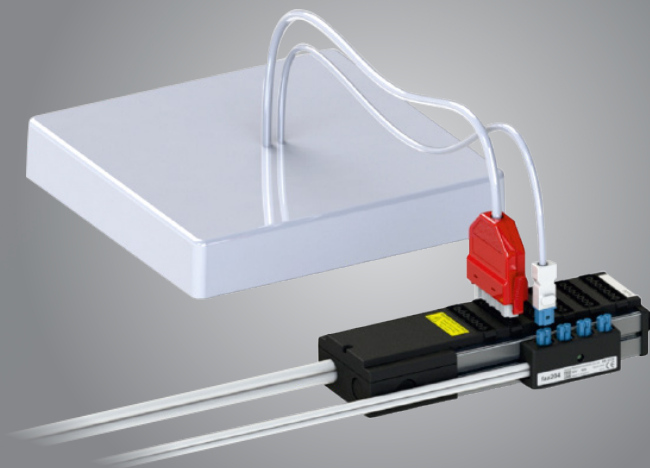
| DESCRIPTION   | PART NO. | PRICE   |
|---------------|----------|---------|
| 6-circuit Hub | FHU06    | £199.49 |

## 2-Pole Auxiliary Adaptor Box

Use as a convenient point of termination for the fixed wiring of a 3rd party's 2-wire control or monitoring system (eg. a centralised emergency luminaire monitoring system).

Attaches directly onto any flex7 Distribution Box (6-way or larger), providing a single point for the connection/disconnection of a luminaire's power, control, plus 3rd party's monitoring etc.

Connect the 3rd party's device using an Auxiliary Adaptor Box Plug, which simply plugs into one of the Auxiliary Adaptor Box's outlets.



### 2-Pole Auxiliary Adaptor Box

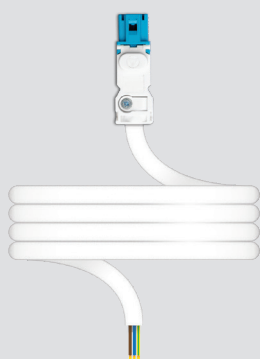
| DESCRIPTION                 | PART NO. | PRICE  |
|-----------------------------|----------|--------|
| 4-way Auxiliary Adaptor Box | FAA2/04  | £56.93 |



### 2-Pole Auxiliary Adaptor Box Plug

- Use to connect a luminaire to an Auxiliary Adaptor Box.

| DESCRIPTION                      | PART NO. | PRICE |
|----------------------------------|----------|-------|
| White/Blue 2-Pole Plug (unwired) | FA2/B    | £7.33 |



### 2-Pole Auxiliary Adaptor Box Prewired Plug

- Use to connect a luminaire to an Auxiliary Adaptor Box. Prewired for your convenience.
- The lead is stripped, and ferruled ready for connection.

| DESCRIPTION                    | PART NO.       | PRICE  |
|--------------------------------|----------------|--------|
| 1.50mm flexible cable, 2 metre | FA2150LSHF2/BL | £13.82 |
| 1.50mm flexible cable, 3 metre | FA2150LSHF3/BL | £16.32 |
| 1.50mm flexible cable, 5 metre | FA2150LSHF5/BL | £21.55 |
| 1.50mm flexible cable, 7 metre | FA2150LSHF7/BL | £26.62 |

# Plugs

Available in white, red, black, or grey, flex7 plugs are robust and simple to use. In-line terminals, and a pair of screws which both secure the cover and clamp the flexible cable, make it quick and easy to wire on site.



Large wiring compartment



Clearly labelled inline terminals



Strong latches ensure secure connection



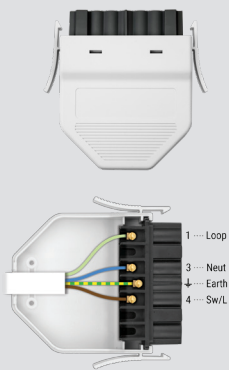
4 standard colours for identification of load



Please note: Boxes of 300 are packed loose (not in boxes of 10), and can only be ordered in multiples of 300.

## 3-Pin Plug

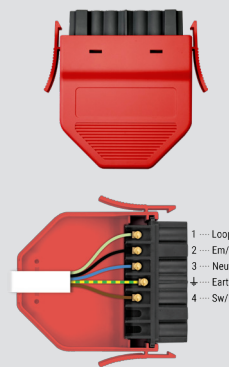
► Use with standard (on/off) luminaires.



| DESCRIPTION                | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|----------------------------|-------------------------|-----------|--------------------------|-----------|
| White 3-pin plug (unwired) | FP3/W                   | £4.78 EA. | FP3/W/300                | £4.67 EA. |
| Red 3-pin plug (unwired)   | FP3/R                   | £4.78 EA. | FP3/R/300                | £4.67 EA. |
| Black 3-pin plug (unwired) | FP3/B                   | £4.78 EA. | FP3/B/300                | £4.67 EA. |
| Grey 3-pin plug (unwired)  | FP3/G                   | £4.78 EA. | FP3/G/300                | £4.67 EA. |

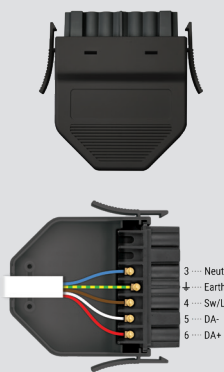
## 4-Pin Plug

► Use with standard (on/off) + emergency luminaires.



| DESCRIPTION                | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|----------------------------|-------------------------|-----------|--------------------------|-----------|
| Red 4-pin plug (unwired)   | FP4/R                   | £5.58 EA. | FP4/R/300                | £5.47 EA. |
| White 4-pin plug (unwired) | FP4/W                   | £5.58 EA. | FP4/W/300                | £5.47 EA. |
| Black 4-pin plug (unwired) | FP4/B                   | £5.58 EA. | FP4/B/300                | £5.47 EA. |
| Grey 4-pin plug (unwired)  | FP4/G                   | £5.58 EA. | FP4/G/300                | £5.47 EA. |

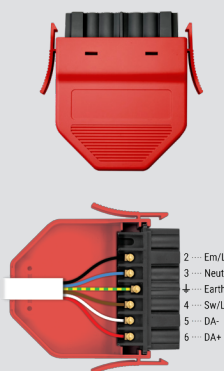




## 5-Pin Plug

- Use with dimmable luminaires. Note live terminal (4) is switched live

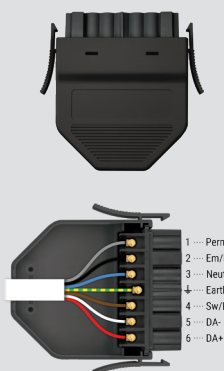
| DESCRIPTION                | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|----------------------------|-------------------------|-----------|--------------------------|-----------|
| Black 5-pin plug (unwired) | FP5/B                   | £5.79 EA. | FP5/B/300                | £5.68 EA. |
| White 5-pin plug (unwired) | FP5/W                   | £5.79 EA. | FP5/W/300                | £5.68 EA. |
| Red 5-pin plug (unwired)   | FP5/R                   | £5.79 EA. | FP5/R/300                | £5.68 EA. |
| Grey 5-pin plug (unwired)  | FP5/G                   | £5.79 EA. | FP5/G/300                | £5.68 EA. |



## 6-Pin Plug

- Use with dimmable + emergency luminaires.

| DESCRIPTION                | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|----------------------------|-------------------------|-----------|--------------------------|-----------|
| Red 6-pin plug (unwired)   | FP6/R                   | £6.64 EA. | FP6/R/300                | £6.53 EA. |
| White 6-pin plug (unwired) | FP6/W                   | £6.64 EA. | FP6/W/300                | £6.53 EA. |
| Black 6-pin plug (unwired) | FP6/B                   | £6.64 EA. | FP6/B/300                | £6.53 EA. |
| Grey 6-pin plug (unwired)  | FP6/G                   | £6.64 EA. | FP6/G/300                | £6.53 EA. |



## 7-Pin Plug

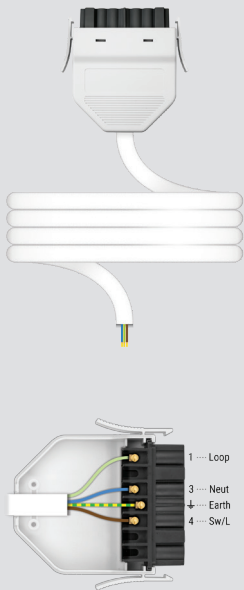
- Use for special applications including where DALI luminaire requires permanent live rather than switched live.

| DESCRIPTION                | PART NO.<br>(BOX OF 10) | PRICE     | PART NO.<br>(BOX OF 300) | PRICE     |
|----------------------------|-------------------------|-----------|--------------------------|-----------|
| Black 7-pin plug (unwired) | FP7/B                   | £7.37 EA. | FP7/B/300                | £7.26 EA. |
| White 7-pin plug (unwired) | FP7/W                   | £7.37 EA. | FP7/W/300                | £7.26 EA. |
| Red 7-pin plug (unwired)   | FP7/R                   | £7.37 EA. | FP7/R/300                | £7.26 EA. |
| Grey 7-pin plug (unwired)  | FP7/G                   | £7.37 EA. | FP7/G/300                | £7.26 EA. |

# Luminaire Leads

We offer an extensive range of luminaire leads which minimise installation time. All variants are available in Low Smoke Halogen Free (LSHF) cable, in accordance with BS EN 50525-3-11 and CPR rated to category Cca, so you can be assured that they'll meet required safety standards for public and commercial buildings.

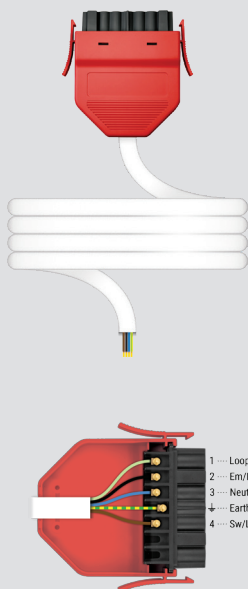
Non-associative colours, and other cable lengths may be available to special order. Please phone us on 020 8580 1066 for part numbers or advice.



## Standard Luminaire Leads

- ▶ 3-core luminaire lead for use with standard (on/off) luminaires. Supplied with white plug.
- ▶ All luminaires leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility: FTS03/W ✓ FTS04/W ✓ FTS05/W ✓ FTS06/W ✓ FTS07/W ✓

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 0.75mm cable, 2 metre | FL375LSHF2/W  | £10.25 |
| 0.75mm cable, 3 metre | FL375LSHF3/W  | £12.03 |
| 0.75mm cable, 5 metre | FL375LSHF5/W  | £15.72 |
| 0.75mm cable, 7 metre | FL375LSHF7/W  | £18.87 |
| 1.00mm cable, 2 metre | FL3100LSHF2/W | £10.94 |
| 1.00mm cable, 3 metre | FL3100LSHF3/W | £13.07 |
| 1.00mm cable, 5 metre | FL3100LSHF5/W | £17.11 |
| 1.00mm cable, 7 metre | FL3100LSHF7/W | £21.19 |
| 1.50mm cable, 2 metre | FL3150LSHF2/W | £12.39 |
| 1.50mm cable, 3 metre | FL3150LSHF3/W | £14.91 |
| 1.50mm cable, 5 metre | FL3150LSHF5/W | £20.39 |
| 1.50mm cable, 7 metre | FL3150LSHF7/W | £25.63 |

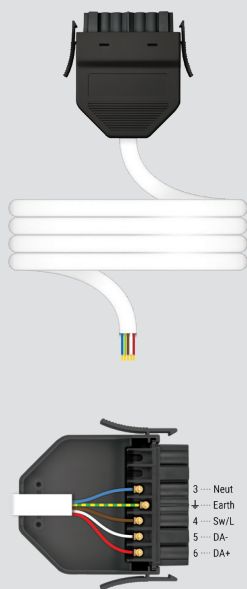


## Maintained Emergency Luminaire Leads

- ▶ 4-core luminaire lead for use standard (on/off) + maintained emergency luminaires. Supplied with red plug.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| FTS03/R ✗ | FTS04/R ✓ | FTS05/R ✗ | FTS06/R ✓ | FTS07/R ✓ |
|-----------|-----------|-----------|-----------|-----------|

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 0.75mm cable, 2 metre | FL475LSHF2/R  | £12.23 |
| 0.75mm cable, 3 metre | FL475LSHF3/R  | £14.49 |
| 0.75mm cable, 5 metre | FL475LSHF5/R  | £19.04 |
| 0.75mm cable, 7 metre | FL475LSHF7/R  | £23.36 |
| 1.00mm cable, 2 metre | FL4100LSHF2/R | £13.52 |
| 1.00mm cable, 3 metre | FL4100LSHF3/R | £16.08 |
| 1.00mm cable, 5 metre | FL4100LSHF5/R | £21.66 |
| 1.00mm cable, 7 metre | FL4100LSHF7/R | £27.50 |
| 1.50mm cable, 2 metre | FL4150LSHF2/R | £15.56 |
| 1.50mm cable, 3 metre | FL4150LSHF3/R | £19.33 |
| 1.50mm cable, 5 metre | FL4150LSHF5/R | £26.67 |
| 1.50mm cable, 7 metre | FL4150LSHF7/R | £33.73 |



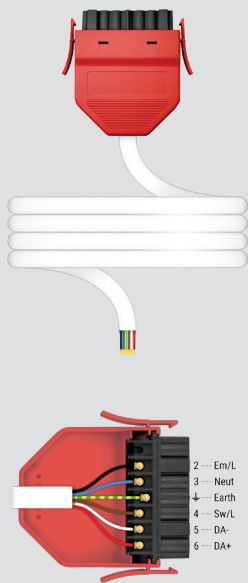
## Dimmable Luminaire Leads

- ▶ 5-core luminaire lead for use with dimmable luminaires. Supplied with black plug. Note live terminal (4) is switched live
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| FTS03/B ✗ | FTS04/B ✗ | FTS05/B ✓ | FTS06/B ✓ | FTS07/B ✓ |
|-----------|-----------|-----------|-----------|-----------|

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 0.75mm cable, 2 metre | FL575LSHF2/B  | £14.82 |
| 0.75mm cable, 3 metre | FL575LSHF3/B  | £17.78 |
| 0.75mm cable, 5 metre | FL575LSHF5/B  | £23.78 |
| 0.75mm cable, 7 metre | FL575LSHF7/B  | £29.46 |
| 1.00mm cable, 2 metre | FL5100LSHF2/B | £15.74 |
| 1.00mm cable, 3 metre | FL5100LSHF3/B | £19.13 |
| 1.00mm cable, 5 metre | FL5100LSHF5/B | £25.85 |
| 1.00mm cable, 7 metre | FL5100LSHF7/B | £32.27 |
| 1.50mm cable, 2 metre | FL5150LSHF2/B | £18.17 |
| 1.50mm cable, 3 metre | FL5150LSHF3/B | £22.64 |
| 1.50mm cable, 5 metre | FL5150LSHF5/B | £31.43 |
| 1.50mm cable, 7 metre | FL5150LSHF7/B | £39.85 |



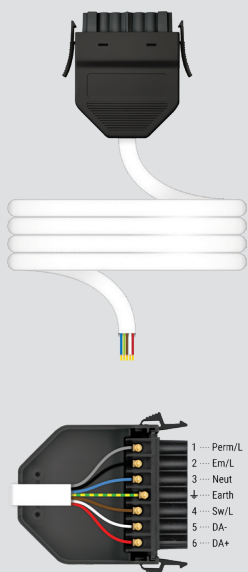


## Dimmable Maintained Emergency Luminaire Leads

- ▶ 6-core luminaire lead for use with dimmable + maintained emergency luminaires. Supplied with red plug.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| FTS03/R | ✗ | FTS04/R | ✗ | FTS05/R | ✗ | FTS06/R | ✓ | FTS07/R | ✓ |
|---------|---|---------|---|---------|---|---------|---|---------|---|

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 0.75mm cable, 2 metre | FL675LSHF2/R  | £18.92 |
| 0.75mm cable, 3 metre | FL675LSHF3/R  | £22.62 |
| 0.75mm cable, 5 metre | FL675LSHF5/R  | £31.28 |
| 0.75mm cable, 7 metre | FL675LSHF7/R  | £39.14 |
| 1.00mm cable, 2 metre | FL6100LSHF2/R | £19.31 |
| 1.00mm cable, 3 metre | FL6100LSHF3/R | £23.69 |
| 1.00mm cable, 5 metre | FL6100LSHF5/R | £33.04 |
| 1.00mm cable, 7 metre | FL6100LSHF7/R | £41.48 |
| 1.50mm cable, 2 metre | FL6150LSHF2/R | £22.00 |
| 1.50mm cable, 3 metre | FL6150LSHF3/R | £27.41 |
| 1.50mm cable, 5 metre | FL6150LSHF5/R | £38.66 |
| 1.50mm cable, 7 metre | FL6150LSHF7/R | £49.79 |

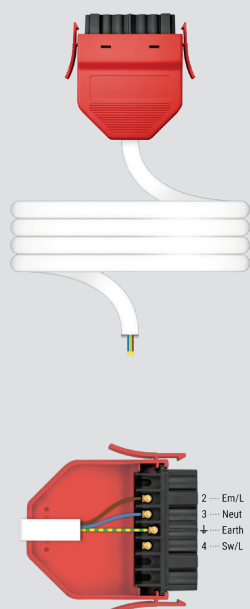


## Luminaire Leads For Special Applications

- ▶ 7-core luminaire lead for use with bespoke luminaires eg. luminaires that have multiple switch lives. Supplied with black plug.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| FTS03/B | ✗ | FTS04/B | ✗ | FTS05/B | ✗ | FTS06/B | ✗ | FTS07/B | ✓ |
|---------|---|---------|---|---------|---|---------|---|---------|---|

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 0.75mm cable, 2 metre | FL775LSHF2/B  | £19.86 |
| 0.75mm cable, 3 metre | FL775LSHF3/B  | £24.08 |
| 0.75mm cable, 5 metre | FL775LSHF5/B  | £32.48 |
| 0.75mm cable, 7 metre | FL775LSHF7/B  | £41.26 |
| 1.00mm cable, 2 metre | FL7100LSHF2/B | £21.11 |
| 1.00mm cable, 3 metre | FL7100LSHF3/B | £25.96 |
| 1.00mm cable, 5 metre | FL7100LSHF5/B | £36.24 |
| 1.00mm cable, 7 metre | FL7100LSHF7/B | £45.52 |
| 1.50mm cable, 2 metre | FL7150LSHF2/B | £25.72 |
| 1.50mm cable, 3 metre | FL7150LSHF3/B | £32.25 |
| 1.50mm cable, 5 metre | FL7150LSHF5/B | £45.06 |
| 1.50mm cable, 7 metre | FL7150LSHF7/B | £58.34 |

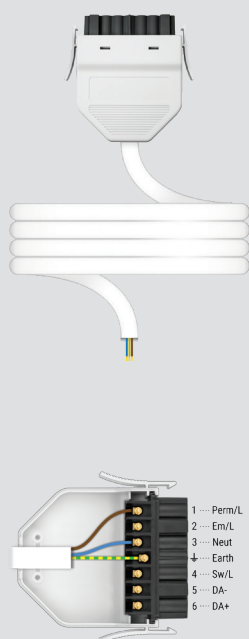


## Non-maintained Emergency Luminaire Leads

- ▶ 3-core luminaire lead for use with non-maintained, emergency luminaires. Supplied with a red plug.
- ▶ All luminaires leads in range are 100% tested and come with ferruled conductors at free end.
- ▶ Socket compatibility:
 

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| FTS03/R | ✗ | FTS04/R | ✓ | FTS05/R | ✗ | FTS06/R | ✓ | FTS07/R | ✓ |
|---------|---|---------|---|---------|---|---------|---|---------|---|

| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 0.75mm cable, 2 metre | FL375LSHF2/RE  | £11.36 |
| 0.75mm cable, 3 metre | FL375LSHF3/RE  | £13.20 |
| 0.75mm cable, 5 metre | FL375LSHF5/RE  | £17.04 |
| 0.75mm cable, 7 metre | FL375LSHF7/RE  | £20.29 |
| 1.00mm cable, 2 metre | FL3100LSHF2/RE | £12.06 |
| 1.00mm cable, 3 metre | FL3100LSHF3/RE | £14.29 |
| 1.00mm cable, 5 metre | FL3100LSHF5/RE | £18.45 |
| 1.00mm cable, 7 metre | FL3100LSHF7/RE | £22.71 |
| 1.50mm cable, 2 metre | FL3150LSHF2/RE | £13.56 |
| 1.50mm cable, 3 metre | FL3150LSHF3/RE | £16.47 |
| 1.50mm cable, 5 metre | FL3150LSHF5/RE | £21.86 |
| 1.50mm cable, 7 metre | FL3150LSHF7/RE | £27.33 |



## Permanent Supply Luminaire Leads

- ▶ 3-core luminaire lead for use where each luminaire has an integral PIR, and no external Control Module is required. Supplied with white plug.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| FTS03/W | ✗ | FTS04/W | ✗ | FTS05/W | ✗ | FTS06/W | ✗ | FTS07/W | ✓ |
|---------|---|---------|---|---------|---|---------|---|---------|---|

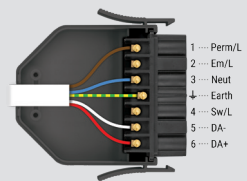
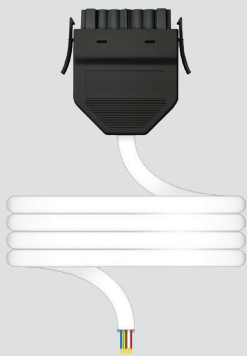
| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 0.75mm cable, 2 metre | FL375LSHF2/WP  | £12.94 |
| 0.75mm cable, 3 metre | FL375LSHF3/WP  | £14.76 |
| 0.75mm cable, 5 metre | FL375LSHF5/WP  | £18.58 |
| 0.75mm cable, 7 metre | FL375LSHF7/WP  | £22.23 |
| 1.00mm cable, 2 metre | FL3100LSHF2/WP | £13.63 |
| 1.00mm cable, 3 metre | FL3100LSHF3/WP | £15.84 |
| 1.00mm cable, 5 metre | FL3100LSHF5/WP | £19.96 |
| 1.00mm cable, 7 metre | FL3100LSHF7/WP | £24.24 |
| 1.50mm cable, 2 metre | FL3150LSHF2/WP | £15.10 |
| 1.50mm cable, 3 metre | FL3150LSHF3/WP | £18.00 |
| 1.50mm cable, 5 metre | FL3150LSHF5/WP | £23.38 |
| 1.50mm cable, 7 metre | FL3150LSHF7/WP | £28.89 |

# DALI and DALI + Maintained Emergency Luminaire Leads

Use with luminaires that are controlled solely by a DALI signal (or similar protocol) and as such do not require mains rated switched live.

Luminaire leads ending 'D' derive their permanent supply separately to the emergency supply (non-emergency luminaires remain operational during an emergency test). Luminaire leads ending 'X' derive their permanent supply from the emergency supply (non-emergency luminaires turn off during an emergency test).

Non-associative colours, and other cable lengths may be available to special order. Please phone us on 020 8580 1066 for part numbers or advice.

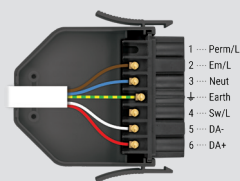
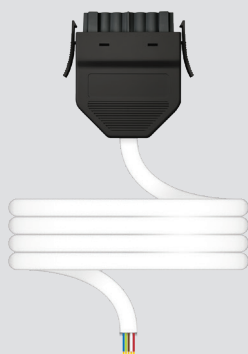


## DALI Luminaire Leads

- ▶ Live on Pin 1
- ▶ 5-core luminaire lead for use with luminaire controlled by DALI (or similar) protocol. Supplied with black plug.
- ▶ All luminaire leads in range are 100% tested and come with ferruled conductors at free end.
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility: 

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| FTS03/B | ✗ | FTS04/B | ✗ | FTS05/B | ✗ | FTS06/B | ✗ | FTS07/B | ✓ |
|---------|---|---------|---|---------|---|---------|---|---------|---|

| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 0.75mm cable, 2 metre | FL575LSHF2/BD  | £16.65 |
| 0.75mm cable, 3 metre | FL575LSHF3/BD  | £19.72 |
| 0.75mm cable, 5 metre | FL575LSHF5/BD  | £25.96 |
| 0.75mm cable, 7 metre | FL575LSHF7/BD  | £31.88 |
| 1.00mm cable, 2 metre | FL5100LSHF2/BD | £17.59 |
| 1.00mm cable, 3 metre | FL5100LSHF3/BD | £21.11 |
| 1.00mm cable, 5 metre | FL5100LSHF5/BD | £28.11 |
| 1.00mm cable, 7 metre | FL5100LSHF7/BD | £34.80 |
| 1.50mm cable, 2 metre | FL5150LSHF2/BD | £20.10 |
| 1.50mm cable, 3 metre | FL5150LSHF3/BD | £24.76 |
| 1.50mm cable, 5 metre | FL5150LSHF5/BD | £33.92 |
| 1.50mm cable, 7 metre | FL5150LSHF7/BD | £42.71 |

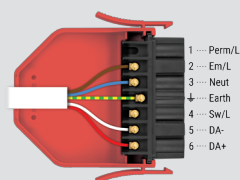
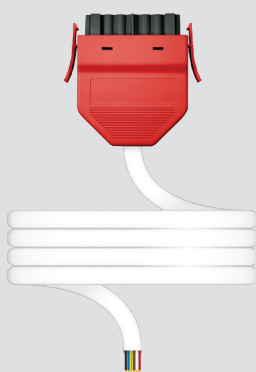


## DALI Luminaire Leads

- ▶ Live on Pin 2
- ▶ 5-core luminaire lead for use with maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with black plug.
- ▶ All luminaire leads in range are 100% tested and come with ferruled conductors at free end.
- ▶ Compatible with all Distribution Boxes
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Socket compatibility:
 

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| FTS03/B ✗ | FTS04/B ✗ | FTS05/B ✗ | FTS06/B ✗ | FTS07/B ✓ |
|-----------|-----------|-----------|-----------|-----------|

| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 0.75mm cable, 2 metre | FL575LSHF2/BX  | £16.25 |
| 0.75mm cable, 3 metre | FL575LSHF3/BX  | £18.94 |
| 0.75mm cable, 5 metre | FL575LSHF5/BX  | £25.10 |
| 0.75mm cable, 7 metre | FL575LSHF7/BX  | £30.95 |
| 1.00mm cable, 2 metre | FL5100LSHF2/BX | £17.15 |
| 1.00mm cable, 3 metre | FL5100LSHF3/BX | £20.28 |
| 1.00mm cable, 5 metre | FL5100LSHF5/BX | £27.71 |
| 1.00mm cable, 7 metre | FL5100LSHF7/BX | £34.43 |
| 1.50mm cable, 2 metre | FL5150LSHF2/BX | £19.68 |
| 1.50mm cable, 3 metre | FL5150LSHF3/BX | £24.36 |
| 1.50mm cable, 5 metre | FL5150LSHF5/BX | £33.54 |
| 1.50mm cable, 7 metre | FL5150LSHF7/BX | £42.35 |



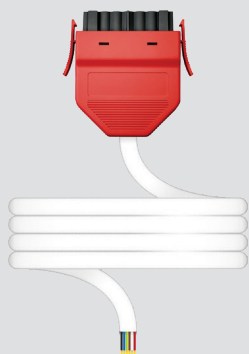
## DALI + Maintained Emergency Luminaire Leads

- ▶ Live on Pin 2
- ▶ 5-core Luminaire Lead for use with maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with red plug.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| FTS03/R ✗ | FTS04/R ✗ | FTS05/R ✗ | FTS06/R ✓ | FTS07/R ✓ |
|-----------|-----------|-----------|-----------|-----------|

| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 0.75mm cable, 2 metre | FL575LSHF2/RX  | £16.25 |
| 0.75mm cable, 3 metre | FL575LSHF3/RX  | £18.94 |
| 0.75mm cable, 5 metre | FL575LSHF5/RX  | £25.10 |
| 0.75mm cable, 7 metre | FL575LSHF7/RX  | £30.95 |
| 1.00mm cable, 2 metre | FL5100LSHF2/RX | £17.15 |
| 1.00mm cable, 3 metre | FL5100LSHF3/RX | £20.28 |
| 1.00mm cable, 5 metre | FL5100LSHF5/RX | £27.71 |
| 1.00mm cable, 7 metre | FL5100LSHF7/RX | £34.43 |
| 1.50mm cable, 2 metre | FL5150LSHF2/RX | £19.68 |
| 1.50mm cable, 3 metre | FL5150LSHF3/RX | £24.36 |
| 1.50mm cable, 5 metre | FL5150LSHF5/RX | £33.54 |
| 1.50mm cable, 7 metre | FL5150LSHF7/RX | £42.35 |

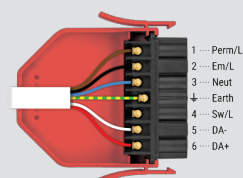




## DALI + Maintained Emergency Luminaire Leads

- ▶ Live on Pin 1
- ▶ 6-core luminaire lead for use with luminaire or maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with red plug.
- ▶ All luminaire leads in range are 100% tested and come with ferruled conductors at free end.
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Compatible with all Distribution Boxes
- ▶ Socket compatibility:
 

|         |   |         |   |         |   |         |   |         |   |
|---------|---|---------|---|---------|---|---------|---|---------|---|
| FTS03/R | ✗ | FTS04/R | ✗ | FTS05/R | ✗ | FTS06/R | ✗ | FTS07/R | ✓ |
|---------|---|---------|---|---------|---|---------|---|---------|---|

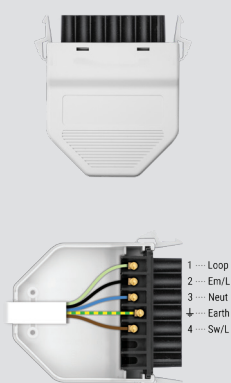


| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 0.75mm cable, 2 metre | FL675LSHF2/RD  | £20.20 |
| 0.75mm cable, 3 metre | FL675LSHF3/RD  | £24.49 |
| 0.75mm cable, 5 metre | FL675LSHF5/RD  | £33.61 |
| 0.75mm cable, 7 metre | FL675LSHF7/RD  | £41.84 |
| 1.00mm cable, 2 metre | FL6100LSHF2/RD | £21.04 |
| 1.00mm cable, 3 metre | FL6100LSHF3/RD | £25.63 |
| 1.00mm cable, 5 metre | FL6100LSHF5/RD | £34.76 |
| 1.00mm cable, 7 metre | FL6100LSHF7/RD | £44.32 |
| 1.50mm cable, 2 metre | FL6150LSHF2/RD | £23.82 |
| 1.50mm cable, 3 metre | FL6150LSHF3/RD | £29.49 |
| 1.50mm cable, 5 metre | FL6150LSHF5/RD | £41.34 |
| 1.50mm cable, 7 metre | FL6150LSHF7/RD | £52.05 |

# Cable Mount Sockets

Available in white, red, black, or grey, flex7 Cable Mount Sockets are robust and simple to use. In-line terminals, and a pair of screws which both secure the cover and clamp the flexible cable, make it quick and easy to wire.

Cable Mount Sockets are generally used in the preparation of Extender Leads where they are fitted to one end of a cable whilst the other end is fitted with a matching plug. Note that this type of lead can be supplied pre-wired.



## 3-Pole Cable Mount Socket

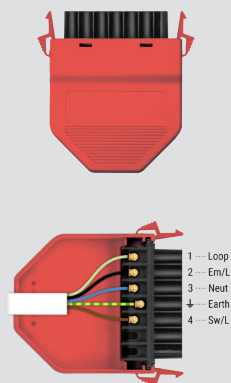
- Use with standard (on/off) luminaires.

### DESCRIPTION

### PART NO.

### PRICE

|                                                      |       |           |
|------------------------------------------------------|-------|-----------|
| White 3-pole cable mount socket (Box of 10, unwired) | FS3/W | £7.55 EA. |
| Red 3-pole cable mount socket (Box of 10, unwired)   | FS3/R | £7.55 EA. |
| Black 3-pole cable mount socket (Box of 10, unwired) | FS3/B | £7.55 EA. |
| Grey 3-pole cable mount socket (Box of 10, unwired)  | FS3/G | £7.55 EA. |



## 4-Pole Cable Mount Socket

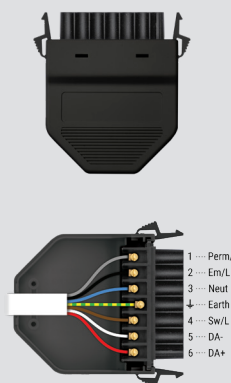
- Use with standard (on/off) + emergency luminaires.

### DESCRIPTION

### PART NO.

### PRICE

|                                                      |       |           |
|------------------------------------------------------|-------|-----------|
| Red 4-pole cable mount socket (Box of 10, unwired)   | FS4/R | £8.73 EA. |
| White 4-pole cable mount socket (Box of 10, unwired) | FS4/W | £8.73 EA. |
| Black 4-pole cable mount socket (Box of 10, unwired) | FS4/B | £8.73 EA. |
| Grey 4-pole cable mount socket (Box of 10, unwired)  | FS4/G | £8.73 EA. |



## 7-Pole Cable Mount Socket

- Use with dimmable luminaires.

### DESCRIPTION

### PART NO.

### PRICE

|                                                      |       |            |
|------------------------------------------------------|-------|------------|
| Black 7-pole cable mount socket (Box of 10, unwired) | FS7/B | £11.86 EA. |
| White 7-pole cable mount socket (Box of 10, unwired) | FS7/W | £11.86 EA. |
| Red 7-pole cable mount socket (Box of 10, unwired)   | FS7/R | £11.86 EA. |
| Grey 7-pole cable mount socket (Box of 10, unwired)  | FS7/G | £11.86 EA. |

## Extender and Double Extender Leads

Use Extender Leads to cover the distance between a short Luminaire Lead, Distribution Box, or supply socket.

Using one means luminaires can be wired up with a short lead, pre-installation. Ideal when the luminaire manufacturer is fitting the lead.

Another advantage is that it provides a means of disconnection very close to the luminaire, as well as at the Distribution Box further away.

The Double Extender Lead has the added benefit of an extra socket set at a right angle to the inline socket.

The right angled socket can be used to plug into a local luminaire, while the inline socket continues the circuit to the next fitting.

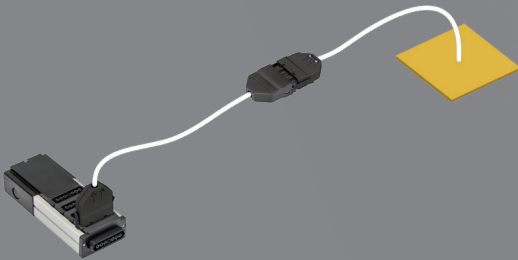
This solution is particularly useful where luminaires are sited in rows, such as corridors and open plan offices, or where specification calls for a means of disconnection close to the luminaire.

Additionally, unlike similar systems, any luminaire in the row can be unplugged without affecting any of the others.

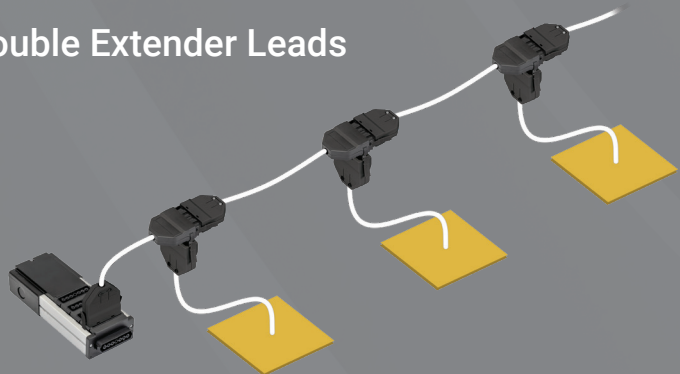
Non-associative colours, and other cable lengths may be available to special order (Extender Lead only). Please phone us on 020 8580 1066 for part numbers.



### Extender Leads

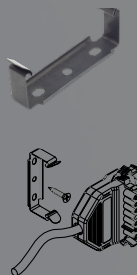


### Double Extender Leads



## Mounting Brackets

Mounting brackets are available to support the sockets. The metal 'clip-in' mechanism is a simple solution to ensure compliance with BS7671 521.10.202.

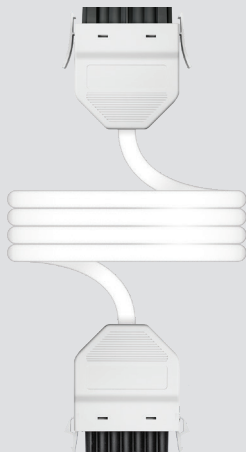




## Mounting Bracket

- Use to support Extender and Double Extender Lead Sockets

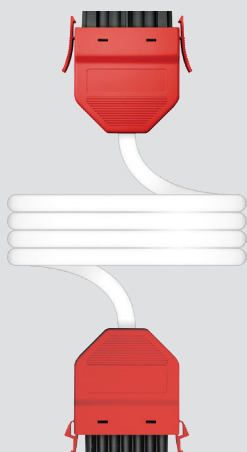
| DESCRIPTION      | PART NO. | PRICE |
|------------------|----------|-------|
| Mounting Bracket | FB009    | £1.59 |



## Standard Extender Leads

- 3-core Extender Lead for use with standard (on/off) luminaires. Supplied with a white plug and socket.
- All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 1.00mm cable, 2 metre | FS3100LSHF2/W | £19.81 |
| 1.00mm cable, 3 metre | FS3100LSHF3/W | £21.80 |
| 1.00mm cable, 5 metre | FS3100LSHF5/W | £26.05 |
| 1.00mm cable, 7 metre | FS3100LSHF7/W | £29.69 |
| 1.50mm cable, 2 metre | FS3150LSHF2/W | £21.04 |
| 1.50mm cable, 3 metre | FS3150LSHF3/W | £23.77 |
| 1.50mm cable, 5 metre | FS3150LSHF5/W | £29.36 |
| 1.50mm cable, 7 metre | FS3150LSHF7/W | £34.23 |

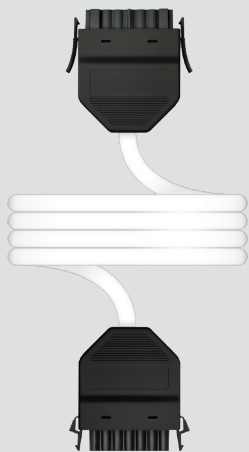


## Maintained Emergency Extender Leads

- 4-core Extender Lead for use with standard (on/off) + maintained emergency luminaires. Supplied with a red plug & socket.
- All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 1.00mm cable, 2 metre | FS4100LSHF2/R | £23.46 |
| 1.00mm cable, 3 metre | FS4100LSHF3/R | £26.15 |
| 1.00mm cable, 5 metre | FS4100LSHF5/R | £31.69 |
| 1.00mm cable, 7 metre | FS4100LSHF7/R | £37.18 |
| 1.50mm cable, 2 metre | FS4150LSHF2/R | £25.25 |
| 1.50mm cable, 3 metre | FS4150LSHF3/R | £28.94 |
| 1.50mm cable, 5 metre | FS4150LSHF5/R | £36.28 |
| 1.50mm cable, 7 metre | FS4150LSHF7/R | £43.50 |

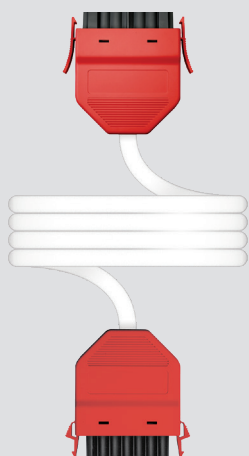




## Dimmable Extender Leads

- ▶ 5-core Extender Lead for use with dimmable luminaires. Supplied with a black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

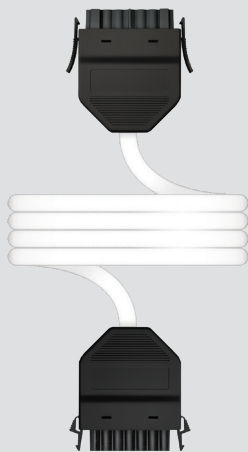
| DESCRIPTION           | PART NO.      | PRICE         |
|-----------------------|---------------|---------------|
| 1.00mm cable, 2 metre | FS5100LSHF2/B | <b>£27.58</b> |
| 1.00mm cable, 3 metre | FS5100LSHF3/B | <b>£30.83</b> |
| 1.00mm cable, 5 metre | FS5100LSHF5/B | <b>£37.51</b> |
| 1.00mm cable, 7 metre | FS5100LSHF7/B | <b>£44.10</b> |
| 1.50mm cable, 2 metre | FS5150LSHF2/B | <b>£30.42</b> |
| 1.50mm cable, 3 metre | FS5150LSHF3/B | <b>£34.21</b> |
| 1.50mm cable, 5 metre | FS5150LSHF5/B | <b>£43.19</b> |
| 1.50mm cable, 7 metre | FS5150LSHF7/B | <b>£51.95</b> |



## Dimmable Maintained Emergency Extender Leads

- ▶ 6-core Extender Lead for use with dimmable + maintained emergency luminaires. Supplied with a red plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

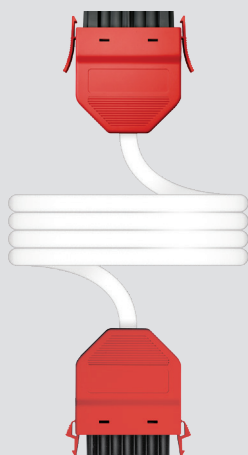
| DESCRIPTION           | PART NO.      | PRICE         |
|-----------------------|---------------|---------------|
| 1.00mm cable, 2 metre | FS6100LSHF2/R | <b>£32.22</b> |
| 1.00mm cable, 3 metre | FS6100LSHF3/R | <b>£37.24</b> |
| 1.00mm cable, 5 metre | FS6100LSHF5/R | <b>£46.02</b> |
| 1.00mm cable, 7 metre | FS6100LSHF7/R | <b>£54.63</b> |
| 1.50mm cable, 2 metre | FS6150LSHF2/R | <b>£35.76</b> |
| 1.50mm cable, 3 metre | FS6150LSHF3/R | <b>£41.16</b> |
| 1.50mm cable, 5 metre | FS6150LSHF5/R | <b>£51.94</b> |
| 1.50mm cable, 7 metre | FS6150LSHF7/R | <b>£62.45</b> |



## Extender Leads For Special Applications

- ▶ 7-core Extender Lead for use with bespoke luminaires eg. luminaires that have multiple switch lives. Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

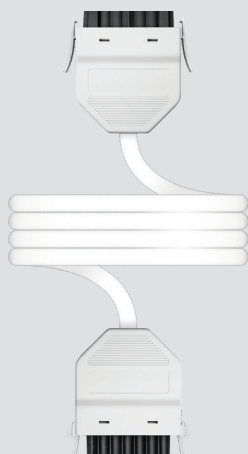
| DESCRIPTION           | PART NO.      | PRICE         |
|-----------------------|---------------|---------------|
| 1.00mm cable, 2 metre | FS7100LSHF2/B | <b>£35.30</b> |
| 1.00mm cable, 3 metre | FS7100LSHF3/B | <b>£40.84</b> |
| 1.00mm cable, 5 metre | FS7100LSHF5/B | <b>£50.51</b> |
| 1.00mm cable, 7 metre | FS7100LSHF7/B | <b>£59.96</b> |
| 1.50mm cable, 2 metre | FS7150LSHF2/B | <b>£40.10</b> |
| 1.50mm cable, 3 metre | FS7150LSHF3/B | <b>£46.58</b> |
| 1.50mm cable, 5 metre | FS7150LSHF5/B | <b>£59.57</b> |
| 1.50mm cable, 7 metre | FS7100LSHF7/B | <b>£73.60</b> |



## Non-maintained Emergency Extender Leads

- ▶ 3-core Extender Lead for use with non-maintained, emergency luminaires. Supplied with a red plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.       | PRICE         |
|-----------------------|----------------|---------------|
| 1.00mm cable, 2 metre | FS3100LSHF2/RE | <b>£21.19</b> |
| 1.00mm cable, 3 metre | FS3100LSHF3/RE | <b>£23.21</b> |
| 1.00mm cable, 5 metre | FS3100LSHF5/RE | <b>£27.55</b> |
| 1.00mm cable, 7 metre | FS3100LSHF7/RE | <b>£31.87</b> |
| 1.50mm cable, 2 metre | FS3150LSHF2/RE | <b>£29.93</b> |
| 1.50mm cable, 3 metre | FS3150LSHF3/RE | <b>£25.20</b> |
| 1.50mm cable, 5 metre | FS3150LSHF5/RE | <b>£30.94</b> |
| 1.50mm cable, 7 metre | FS3150LSHF7/RE | <b>£36.58</b> |



## Permanent Supply Extender Leads

- ▶ 3-core Extender Lead for use where each luminaire has an integral PIR, and no external Control Module is required. Supplied with a red plug & socket.
- ▶ All Extender Leads in range are 100% tested.

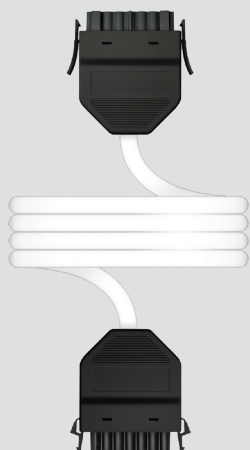
| DESCRIPTION           | PART NO.       | PRICE         |
|-----------------------|----------------|---------------|
| 1.00mm cable, 2 metre | FS3100LSHF2/WP | <b>£22.59</b> |
| 1.00mm cable, 3 metre | FS3100LSHF3/WP | <b>£24.55</b> |
| 1.00mm cable, 5 metre | FS3100LSHF5/WP | <b>£29.41</b> |
| 1.00mm cable, 7 metre | FS3100LSHF7/WP | <b>£33.07</b> |
| 1.50mm cable, 2 metre | FS3150LSHF2/WP | <b>£24.30</b> |
| 1.50mm cable, 3 metre | FS3150LSHF3/WP | <b>£27.06</b> |
| 1.50mm cable, 5 metre | FS3150LSHF5/WP | <b>£32.79</b> |
| 1.50mm cable, 7 metre | FS3150LSHF7/WP | <b>£37.74</b> |

# DALI and DALI + Maintained Emergency Extender Leads

Use with luminaires that are controlled solely by a DALI signal (or similar protocol) and as such do not require mains rated switched live.

Extender Leads ending 'D' derive their permanent supply separately to the emergency supply (non-emergency luminaires remain operational during an emergency test).

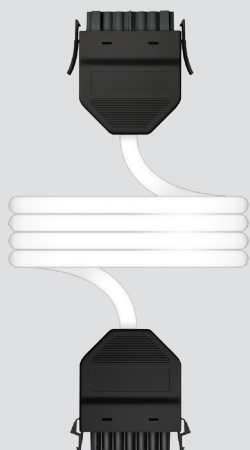
Extender Leads ending 'X' derive their permanent supply from the emergency supply (non-emergency luminaires turn off during an emergency test).



## DALI Extender Leads

- ▶ Live on Pin 1
- ▶ 5-core Extender Lead for use with luminaires controlled by DALI (or similar) protocol. Supplied with black plug & socket
- ▶ All Extender Leads in the range are 100% tested, and come with ferruled conductors at free end.
- ▶ This Extender Lead has no switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.

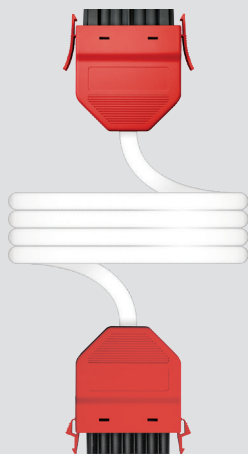
| DESCRIPTION           | PART NO.       | PRICE         |
|-----------------------|----------------|---------------|
| 1.00mm cable, 2 metre | FS5100LSHF2/BD | <b>£29.79</b> |
| 1.00mm cable, 3 metre | FS5100LSHF3/BD | <b>£33.08</b> |
| 1.00mm cable, 5 metre | FS5100LSHF5/BD | <b>£40.78</b> |
| 1.00mm cable, 7 metre | FS5100LSHF7/BD | <b>£47.65</b> |
| 1.50mm cable, 2 metre | FS5150LSHF2/BD | <b>£32.72</b> |
| 1.50mm cable, 3 metre | FS5150LSHF3/BD | <b>£37.34</b> |
| 1.50mm cable, 5 metre | FS5150LSHF5/BD | <b>£46.69</b> |
| 1.50mm cable, 7 metre | FS5150LSHF7/BD | <b>£55.82</b> |



## DALI Extender Leads

- ▶ Live on Pin 2
- ▶ 5-core Extender Lead for use with luminaires controlled by DALI (or similar) protocol. Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires turn off during emergency test.

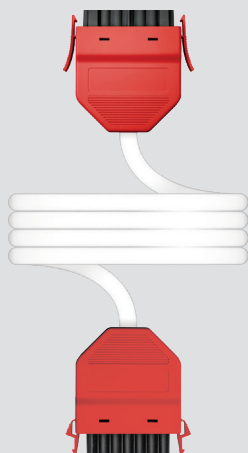
| DESCRIPTION                  | PART NO.       | PRICE         |
|------------------------------|----------------|---------------|
| 1.00mm cable, 2 metre, Black | FS5100LSHF2/BX | <b>£29.31</b> |
| 1.00mm cable, 3 metre, Black | FS5100LSHF3/BX | <b>£32.63</b> |
| 1.00mm cable, 5 metre, Black | FS5100LSHF5/BX | <b>£40.35</b> |
| 1.00mm cable, 7 metre, Black | FS5100LSHF7/BX | <b>£47.22</b> |
| 1.50mm cable, 2 metre, Black | FS5150LSHF2/BX | <b>£32.25</b> |
| 1.50mm cable, 3 metre, Black | FS5150LSHF3/BX | <b>£36.89</b> |
| 1.50mm cable, 5 metre, Black | FS5150LSHF5/BX | <b>£46.25</b> |
| 1.50mm cable, 7 metre, Black | FS5150LSHF7/BX | <b>£55.42</b> |



## DALI + Maintained Emergency Extender Leads

- ▶ Live on Pin 2
- ▶ 5-core Extender Lead for use with luminaires controlled by DALI (or similar) protocol. Supplied with red plug & socket.
- ▶ All Extender Leads in the range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires turn off during emergency test.

| DESCRIPTION                | PART NO.       | PRICE         |
|----------------------------|----------------|---------------|
| 1.00mm cable, 2 metre, Red | FS5100LSHF2/RX | <b>£29.32</b> |
| 1.00mm cable, 3 metre, Red | FS5100LSHF3/RX | <b>£32.63</b> |
| 1.00mm cable, 5 metre, Red | FS5100LSHF5/RX | <b>£40.34</b> |
| 1.00mm cable, 7 metre, Red | FS5100LSHF7/RX | <b>£47.22</b> |
| 1.50mm cable, 2 metre, Red | FS5150LSHF2/RX | <b>£29.31</b> |
| 1.50mm cable, 3 metre, Red | FS5150LSHF3/RX | <b>£32.63</b> |
| 1.50mm cable, 5 metre, Red | FS5150LSHF5/RX | <b>£40.35</b> |
| 1.50mm cable, 7 metre, Red | FS5150LSHF7/RX | <b>£47.22</b> |



## DALI + Maintained Emergency Extender Leads

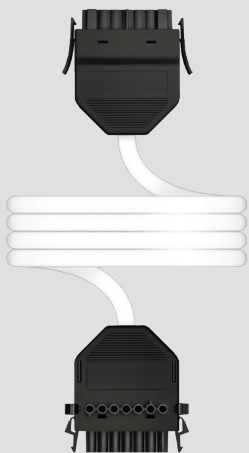
- ▶ Live on Pin 1
- ▶ 6-core Extender Lead for use with luminaires controlled by DALI (or similar) protocol with maintained emergency function. Supplied with red plug & socket.
- ▶ All Extender Leads in the range are 100% tested, and come with ferruled conductors at free end.
- ▶ This Extender Lead has no switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.

| DESCRIPTION           | PART NO.       | PRICE         |
|-----------------------|----------------|---------------|
| 1.00mm cable, 2 metre | FS6100LSHF2/RD | <b>£32.25</b> |
| 1.00mm cable, 3 metre | FS6100LSHF3/RD | <b>£36.89</b> |
| 1.00mm cable, 5 metre | FS6100LSHF5/RD | <b>£46.25</b> |
| 1.00mm cable, 7 metre | FS6100LSHF7/RD | <b>£55.42</b> |
| 1.50mm cable, 2 metre | FS6150LSHF2/RD | <b>£29.32</b> |
| 1.50mm cable, 3 metre | FS6150LSHF3/RD | <b>£32.63</b> |
| 1.50mm cable, 5 metre | FS6150LSHF5/RD | <b>£40.34</b> |
| 1.50mm cable, 7 metre | FS6150LSHF7/RD | <b>£47.22</b> |



# Double Extender Leads

Use where luminaires are sited in rows, such as corridors or open plan offices, or where specification calls for a means of disconnection close to the luminaires.

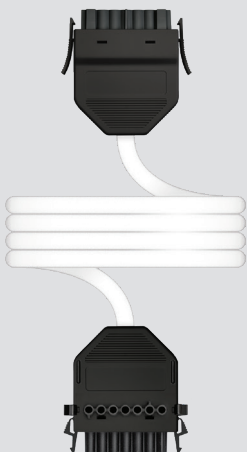


## Standard (On/Off) Double Extender Leads

- ▶ 3-core Extender Leads for use with standard (on/off) luminaires.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FD3150LSHF2/B | £24.90 |
| 1.50mm cable, 3 metre | FD3150LSHF3/B | £27.05 |
| 1.50mm cable, 5 metre | FD3150LSHF5/B | £32.67 |
| 1.50mm cable, 7 metre | FD3150LSHF7/B | £37.53 |

Also available in 2.50mm cable. Price on application.

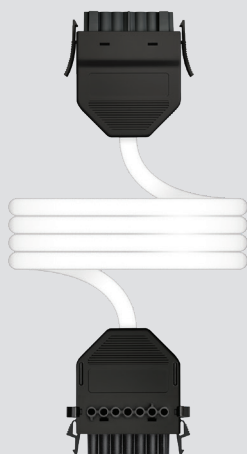


## Maintained Emergency Double Extender Leads

- ▶ 4-core Extender Lead for use with standard (on/off) + maintained emergency luminaires.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FD4150LSHF2/B | £30.10 |
| 1.50mm cable, 3 metre | FD4150LSHF3/B | £33.10 |
| 1.50mm cable, 5 metre | FD4150LSHF5/B | £40.50 |
| 1.50mm cable, 7 metre | FD4150LSHF7/B | £47.83 |

Also available in 2.50mm cable. Price on application.

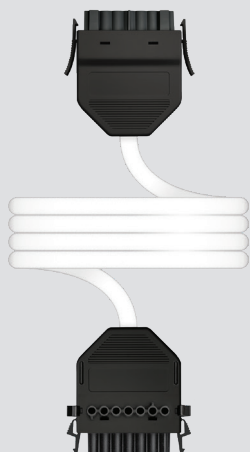


## Dimmable Double Extender Leads

- ▶ 5-core double Extender Lead for use with dimmable luminaires.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE  |
|-----------------------|---------------|--------|
| 1.50mm cable, 2 metre | FD5150LSHF2/B | £34.12 |
| 1.50mm cable, 3 metre | FD5150LSHF3/B | £38.49 |
| 1.50mm cable, 5 metre | FD5150LSHF5/B | £47.39 |
| 1.50mm cable, 7 metre | FD5150LSHF7/B | £56.15 |

Also available in 2.50mm cable. Price on application.

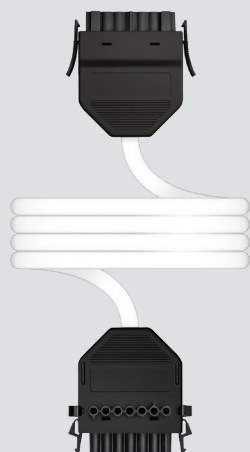


## Dimmable Maintained Emergency Double Extender Leads

- ▶ 6-core double Extender Lead for use with dimmable + maintained emergency luminaires.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE         |
|-----------------------|---------------|---------------|
| 1.50mm cable, 2 metre | FD6150LSHF2/B | <b>£40.25</b> |
| 1.50mm cable, 3 metre | FD6150LSHF3/B | <b>£45.46</b> |
| 1.50mm cable, 5 metre | FD6150LSHF5/B | <b>£57.13</b> |
| 1.50mm cable, 7 metre | FD6150LSHF7/B | <b>£67.65</b> |

Also available in 2.50mm cable. Price on application.



## Double Extender Leads For Special Applications

- ▶ 7-core Extender Lead for use with bespoke luminaires eg. luminaires that have multiple switch lives.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.

| DESCRIPTION           | PART NO.      | PRICE         |
|-----------------------|---------------|---------------|
| 1.50mm cable, 2 metre | FD7150LSHF2/B | <b>£46.21</b> |
| 1.50mm cable, 3 metre | FD7150LSHF3/B | <b>£52.56</b> |
| 1.50mm cable, 5 metre | FD7150LSHF5/B | <b>£65.44</b> |
| 1.50mm cable, 7 metre | FD7150LSHF7/B | <b>£79.65</b> |

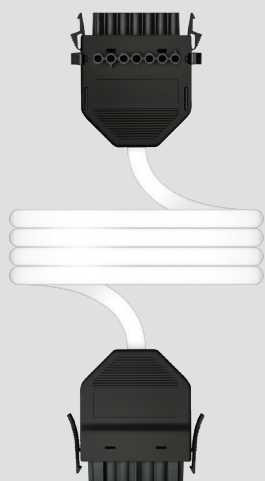
Also available in 2.50mm cable. Price on application.

# DALI and DALI + Maintained Emergency Double Extender Leads

Use with luminaires that are controlled solely by a DALI signal (or similar protocol) and as such do not require mains rated switched live.

Extender Leads ending 'D' derive their permanent supply separately to the emergency supply (non-emergency luminaires remain operational during an emergency test).

Extender Leads ending 'X' derive their permanent supply from the emergency supply (non-emergency luminaires turn off during an emergency test).

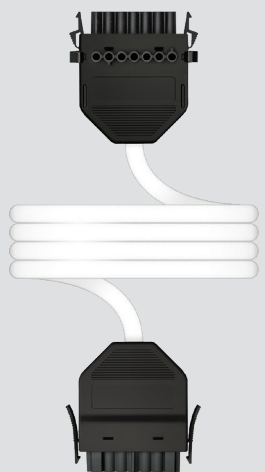


## DALI Double Extender Leads

- ▶ Live on pin 1
- ▶ 5-core Extender Lead for use with luminaires controlled by DALI (or similar) protocol.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.
- ▶ This Extender Lead has no switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.

| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 1.50mm cable, 2 metre | FD5150LSHF2/BD | £37.46 |
| 1.50mm cable, 3 metre | FD5150LSHF3/BD | £41.97 |
| 1.50mm cable, 5 metre | FD5150LSHF5/BD | £51.21 |
| 1.50mm cable, 7 metre | FD5150LSHF7/BD | £60.36 |

Also available in 2.50mm cable. Price on application.

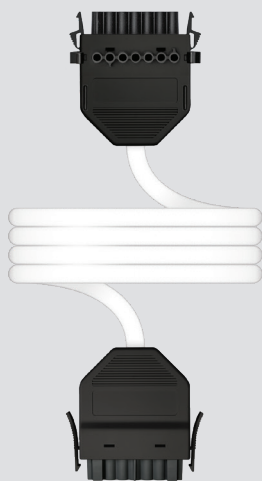


## DALI Double Extender Leads

- ▶ Live on pin 2
- ▶ 5-core Extender Lead for use with luminaires controlled by DALI (or similar) protocol.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.
- ▶ This luminaire lead has no switched live.
- ▶ Non-emergency luminaires turn off during emergency test.

| DESCRIPTION           | PART NO.       | PRICE  |
|-----------------------|----------------|--------|
| 1.50mm cable, 2 metre | FD5150LSHF2/BX | £37.04 |
| 1.50mm cable, 3 metre | FD5150LSHF3/BX | £41.57 |
| 1.50mm cable, 5 metre | FD5150LSHF5/BX | £50.83 |
| 1.50mm cable, 7 metre | FD5150LSHF7/BX | £60.00 |

Also available in 2.50mm cable. Price on application.



## DALI + Maintained Emergency Double Extender Leads

- ▶ Live on pin 1
- ▶ 6-core luminaire lead for use with luminaires
- ▶ controlled by DALI (or similar) protocol with maintained emergency function.
- ▶ Supplied with black plug & socket.
- ▶ All Extender Leads in the range are 100% tested.
- ▶ This Extender Lead has no switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.

| DESCRIPTION           | PART NO.       | PRICE         |
|-----------------------|----------------|---------------|
| 1.50mm cable, 2 metre | FD6150LSHF2/BD | <b>£42.65</b> |
| 1.50mm cable, 3 metre | FD6150LSHF3/BD | <b>£49.10</b> |
| 1.50mm cable, 5 metre | FD6150LSHF5/BD | <b>£60.05</b> |
| 1.50mm cable, 7 metre | FD6150LSHF7/BD | <b>£72.39</b> |

Also available in 2.50mm cable. Price on application.



# flex7 Lighting Controls

Up to 60% of the energy used by lighting can be saved if manual switching is replaced by automatic lighting control. Using flex7 makes it easy to select and install the controls you need to achieve these savings. Our lighting controls simply plug-into any of our Distribution Boxes, providing quick and hassle-free installation and maintenance.

- Occupancy, absence, daylight dependency and daylight linking
- Integrated emergency test
- Corridor hold
- Last man out switch
- Networking across circuits/phases

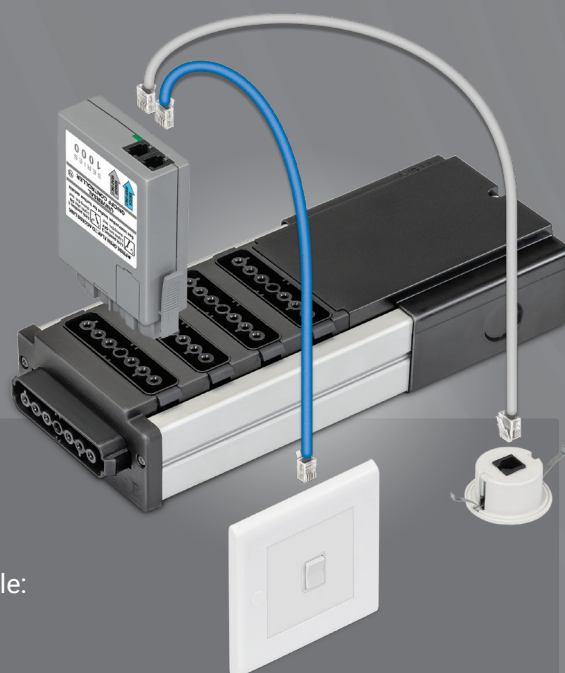
Simple plug-in connection.

Small Sensor Head (32mmø cutout).

RJ Connectivity.

Easy for installer to commission.

Protected Extra Low Voltage.



## How to order flex7 Lighting Controls

Our lighting controls are entirely modular, and comprise a Sensor Head, a Control Module and a Sensor Lead to plug the head into the Control Module:



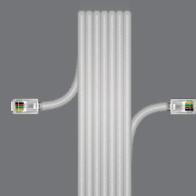
### Sensor Heads

We offer both PIR (Passive Infrared) and Microwave Sensor Heads. Both versions are available with occupancy, and daylight sensing. IP66 and Tamper-resistant versions of our PIR Sensor Head are also available. Simply choose the type of head you require from the Sensor Head section.



### Control Modules

We have a wide range of Control Modules available: Occupancy, absence, dimming, non-dimming. Whichever option you choose, it will plug directly into any flex7 lighting Distribution Box.



### Sensor Leads

A Sensor Lead is needed to plug your Sensor Head into your Control Module. These come in a variety of lengths.



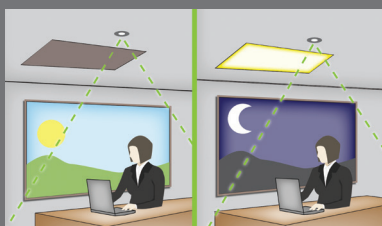
## Occupancy Sensors

Turn lights on when someone enters a room and turn off again once the room has been empty for a set period of time. Timeout is set to 20 minutes by default, but this can be adjusted using a setup Remote Control.



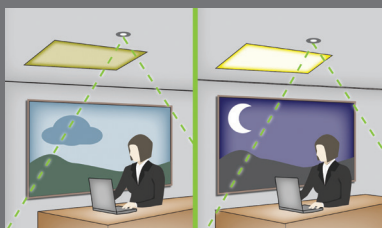
## Absence Sensors

Lights need to be switched on manually at the switch when entering a room, but will turn off automatically once the room has been empty for a set period of time. This option gives users a higher level of control, and has extra potential for energy saving, as the user will only turn lights on if they need them. Timeout is set to 20 minutes by default, but this can be adjusted using a Setup Remote Control.



## Daylight Dependent Sensors

Turn lights off when there is sufficient natural light in the room. Timeout is set to 20 minutes by default, but this can be adjusted using a Setup Remote Control.



## Daylight Linking Sensors

Dim lights down when there is sufficient natural light in the room. Timeout is set to 20 minutes by default, but this can be adjusted using a Setup Remote Control.

## PIR Sensors

Passive infrared (PIR) Sensors detect a body of heat moving across the area they are monitoring.



### Pros

- Very precise over smaller areas.
- Less prone to false triggering.
- Cost-effective option.

### Cons

- Must be installed in the right position to provide optimum coverage.

### Ideal for use in:

- Most areas except where extreme temperatures (high/low) may be present.

## Microwave Sensors

Microwave Sensors emit microwave signals and measure the reflection from surfaces and objects within the area they are monitoring.



### Pros

- Long detection range.
- Can be installed in areas with temperature extremes eg. +40°C, -20°C
- Line of site not necessary.

### Cons

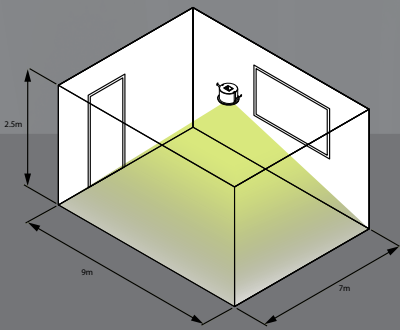
- Can 'see' through walls and glass, so can be falsely triggered by movement outside the intended detection area.
- Can be falsely triggered by movements from inanimate objects (eg. passing cars or blowing trees).

### Ideal for use in:

- Areas with movable partitions (eg. half height or modesty panels) or irregular shaped rooms.
- Corridors.

# PIR Sensor Heads

PIR Sensor Heads need to be used in conjunction with a Control Module. A Sensor Lead is needed to connect the Sensor Head to a Control Module.



## PIR Detection Pattern

The PIR (Passive infrared) sensor detects moving bodies of heat that are different (warmer or cooler) to the background temperature. The detection pattern is broadly rectangular at 9m x 7m when fixed at a ceiling height of 2.5m (longest length of detection aligns with the spring fixing clips).



### PIR Absence/Occupancy Sensor Head (Primary)

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.

| DESCRIPTION                      | PART NO.  | PRICE  |
|----------------------------------|-----------|--------|
| PIR occupancy sensor head, white | FNH200    | £62.95 |
| PIR sensor head, black           | FNH200/BK | £66.10 |



### PIR Absence/Occupancy & Light Level Sensor Head (Primary)

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.

| DESCRIPTION                                    | PART NO.  | PRICE  |
|------------------------------------------------|-----------|--------|
| PIR occupancy + light level sensor head, white | FNH400    | £74.68 |
| PIR occupancy + light level sensor head, black | FNH400/BK | £78.41 |



### PIR Auxiliary Sensor Head

- ▶ Use to increase the area of detection. Up to 5 Auxiliary Heads can be used in conjunction with 1 'Primary' Head, effectively increasing detection range by 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with PIR or Microwave Sensors (excl. 230V version)
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Requires a 'Primary' Sensor Head, Control Module and Sensor Lead to operate.

| DESCRIPTION                      | PART NO.   | PRICE  |
|----------------------------------|------------|--------|
| PIR auxiliary sensor head, white | FNH/AUX    | £61.81 |
| PIR auxiliary sensor head, black | FNH/AUX/BK | £64.90 |



## PIR Sensor Head Surface-Mount Plate

- Use to surface-mount a flex7 PIR Sensor Head directly to a surface mount conduit box. 25mm deep min. for 'Primary' Head, 32mm deep min. for Auxiliary Head.

| DESCRIPTION                | PART NO.     | PRICE |
|----------------------------|--------------|-------|
| Surface-mount plate, white | FNH/ADAPT    | £6.66 |
| Surface-mount plate, black | FNH/ADAPT/BK | £6.66 |



# Tamper Resistant PIR Sensor Heads

Use in installations where resilience to unsolicited attempts to remove or tamper is paramount; prisons, secure units etc. It can be mounted directly to the ceiling, or a standard conduit box. It is secured with 2 suitable security screws (not supplied).



## Tamper Resistant PIR Absence/Occupancy Sensor Head

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.

| DESCRIPTION                                       | PART NO.    | PRICE  |
|---------------------------------------------------|-------------|--------|
| Tamper-resistant PIR occupancy sensor head, white | FNH200/S    | £94.68 |
| Tamper-resistant PIR occupancy sensor head, black | FNH200/S/BK | £97.83 |



## Tamper Resistant PIR Absence/Occupancy & Light Level Sensor Head

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.

| DESCRIPTION                                                     | PART NO.    | PRICE   |
|-----------------------------------------------------------------|-------------|---------|
| Tamper-resistant PIR occupancy + light level sensor head, white | FNH400/S    | £110.02 |
| Tamper-resistant PIR occupancy + light level sensor head, black | FNH400/S/BK | £113.75 |



## Tamper Resistant Auxiliary PIR Sensor Head

- ▶ Use to increase the area of detection. Up to 5 Auxiliary Heads can be used in conjunction with 1 'Primary' Head, effectively increasing detection range by 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with PIR or Microwave Sensors (excl. 230V version)
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Requires a 'Primary' Sensor Head, Control Module and Sensor Lead to operate.

| DESCRIPTION                                       | PART NO.     | PRICE  |
|---------------------------------------------------|--------------|--------|
| Tamper-resistant auxiliary PIR sensor head, white | FNH/AUX/S    | £92.48 |
| Tamper-resistant auxiliary PIR sensor head, black | FNH/AUX/S/BK | £95.57 |

## IP66 PIR Sensor Heads

Use in external installations where protection from moisture is needed. Flush mount through a 34mm dia hole into the ceiling, bulkhead, canopy etc. Sensor head comes prewired with 5m lead.

Note: Control module is IP20 and must be installed in a dry location.



### IP66 PIR Absence/Occupancy Sensor Head

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Supplied complete with factory connected 5 metre Sensor Lead.
- ▶ Requires a Control Module to operate.

| DESCRIPTION                           | PART NO.         | PRICE   |
|---------------------------------------|------------------|---------|
| IP66 PIR occupancy sensor head, white | FNH200/IP66/F    | £122.32 |
| IP66 PIR occupancy sensor head, black | FNH200/IP66/F/BK | £125.47 |



### IP66 PIR Absence/Occupancy & Light Level Sensor Head

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Supplied complete with factory connected 5 metre Sensor Lead.
- ▶ Requires a Control Module to operate.

| DESCRIPTION                                      | PART NO.         | PRICE   |
|--------------------------------------------------|------------------|---------|
| IP66 occupancy + light level sensing head, white | FNH400/IP66/F    | £125.72 |
| IP66 occupancy + light level sensing head, black | FNH400/IP66/F/BK | £129.45 |



### IP66 Auxiliary PIR Sensor Head

- ▶ Use to increase the area of detection. Up to 5 Auxiliary Heads can be used in conjunction with 1 'Primary' Head, effectively increasing detection range by 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with PIR or Microwave Sensors (excl. 230V version)
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Supplied complete with factory connected 5 metre Sensor Lead.

| DESCRIPTION                       | PART NO.          | PRICE   |
|-----------------------------------|-------------------|---------|
| IP66 auxiliary sensor head, white | FNH/AUX/IP66/F    | £119.94 |
| IP66 auxiliary sensor head, black | FNH/AUX/IP66/F/BK | £123.03 |

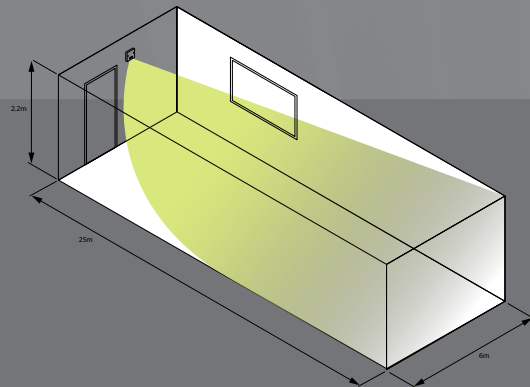
\*Control Modules are IP2X and must be sited in a suitable location.

# Microwave Sensor Heads

The Microwave Sensor emits low powered signals which are reflected back off walls and other objects. A change of condition eg. someone entering the room changes the reflected signal, and the sensor detects this as presence. flex7 microwave Sensors are available as a wall-mounted or ceiling-mounted option.

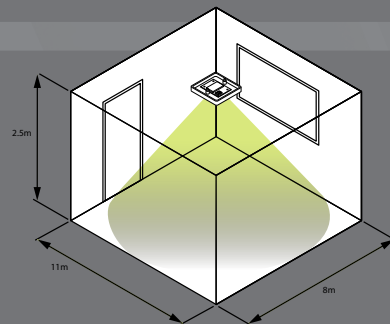
## Wall-mounted Microwave detection pattern

The detection pattern is broadly rectangular at 25m x 6m when fixed at a height of 2.2m.



## Ceiling-mounted Microwave detection pattern

The detection pattern is elliptical at 8m x 11m when fixed at a ceiling height of 2.5m.



## Microwave Absence/Occupancy & Light Level Microwave Sensor Head

- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User Remote Control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.
- ▶ Use with 20mm single back box.

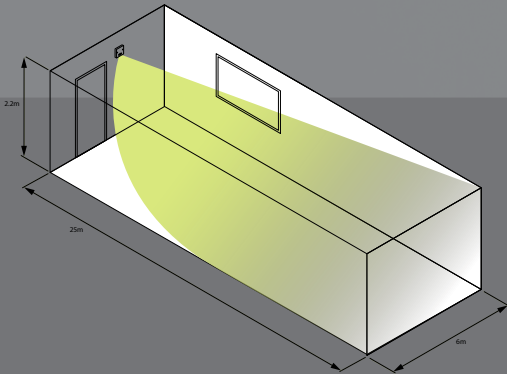
| DESCRIPTION                                                    | PART NO. | PRICE  |
|----------------------------------------------------------------|----------|--------|
| Microwave occupancy + light level sensor head, ceiling-mounted | FMH400   | £84.49 |
| Microwave occupancy + light level sensor head, wall-mounted    | FMH400/W | £79.12 |

# 230V Mains Voltage Microwave Sensor Kit

The Microwave Sensor emits low powered signals which are reflected back off walls and other objects. A change of condition eg. someone entering the room changes the reflected signal, and the sensor detects this as presence. flex7 Microwave Sensors are available as a wall-mounted, or ceiling-mounted option.

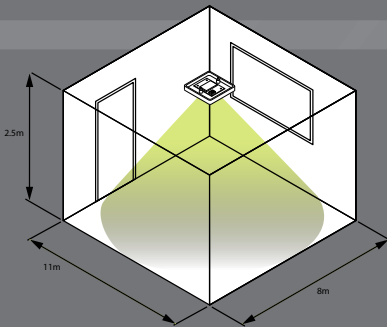
## Wall-mounted Microwave detection pattern

The detection pattern is broadly rectangular at 25m x 6m when fixed at a height of 2.2m.



## Ceiling-mounted Microwave detection pattern

The detection pattern is elliptical at 8m x 11m when fixed at a ceiling height of 2.5m.

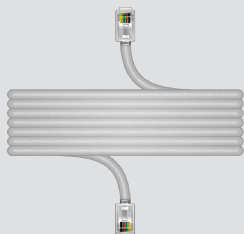


## 230V Mains Voltage Microwave Absence/Occupancy Sensor with Daylight Dependency

- ▶ Can be connected straight to mains (230V) supply.
- ▶ You can configure your sensor as either absence or occupancy:
- ▶ In Absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Use with 45mm minimum single back box.
- ▶ Not suitable for dimming applications.

| DESCRIPTION                                                         | PART NO.     | PRICE   |
|---------------------------------------------------------------------|--------------|---------|
| 230V Microwave occupancy + light level sensor head, ceiling-mounted | FMH400/230   | £132.56 |
| 230V Microwave occupancy + light level sensor head, wall-mounted    | FMH400/W/230 | £127.27 |





## Sensor Leads

- Needed to connect all Sensor Heads (excl. 230V version) to a Control Module. Both ends are fitted with an RJ plug, for quick and easy plug-in connection.

| DESCRIPTION                 | PART NO. | PRICE         |
|-----------------------------|----------|---------------|
| Sensor lead, LSHF, 5 metre  | FSL05    | <b>£9.24</b>  |
| Sensor lead, LSHF, 10 metre | FSL10    | <b>£15.20</b> |
| Sensor lead, LSHF, 20 metre | FSL20    | <b>£25.85</b> |
| Sensor lead, LSHF, 30 metre | FSL30    | <b>£39.20</b> |



## Setup Remote Control

- Use to change timeout settings, light levels and other operational modes during commissioning.
- Note: Factory default for timeout is 20 mins.

| DESCRIPTION          | PART NO. | PRICE         |
|----------------------|----------|---------------|
| Setup remote control | FRC/SET  | <b>£37.93</b> |



## User Remote Control

- Use post installation to operate luminaires on/off and brighten/dim. Stores and recalls up to 6 configurable light levels.
- On/off and brighten/dim commands from FRC/USER are temporary, meaning the system reverts back to its commissioned state on time-out.
- Comes complete with wall holster and self-adhesive pads.
- Note: intended for end-user, not installer.

| DESCRIPTION         | PART NO. | PRICE         |
|---------------------|----------|---------------|
| User remote control | FRC/USER | <b>£37.93</b> |

Switch Drop Leads can be found on P.76

# Individual Control Modules

Lighting Control Modules are available to purchase individually, as well as in kit form. This gives you the option to mix and match them with our range of Sensor Heads, Sensor Leads, Switch-Drop Leads, and Network Leads to create exactly what you need.

The Sensor Head you use with the Control Module will dictate whether it can be used for occupancy, absence, daylight dependent or daylight linking control.

Part numbers ending in 'U' can be used with a Switch Drop Lead.



## On/Off Control Module

- ▶ Use if luminaires require standard (on/off) control.
- ▶ Requires a Sensor Head and Sensor Lead, and/or Switch Drop Lead to operate.

| DESCRIPTION           | PART NO.  | PRICE  |
|-----------------------|-----------|--------|
| On/Off control module | FNC1000/U | £60.05 |



## Dimming Control Module

- ▶ Use if luminaires require dimming control.
- ▶ Requires a Sensor Head and Sensor Lead, and/or Switch Drop Lead to operate.

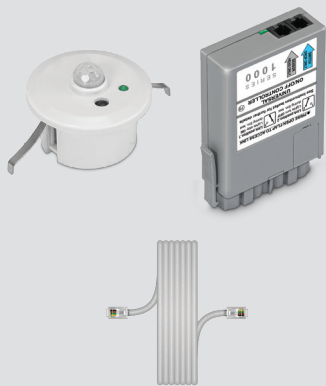
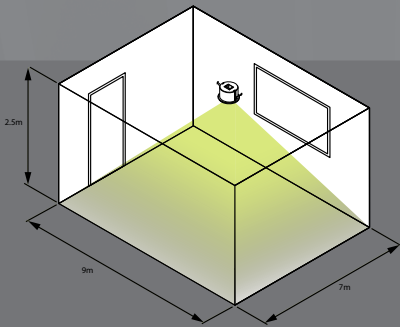
| DESCRIPTION                             | PART NO.   | PRICE  |
|-----------------------------------------|------------|--------|
| 1-10V dimming control (analogue) module | FNC3000A/U | £91.43 |
| DSI dimming control module              | FNC3000D/U | £91.43 |
| DALI dimming control module             | FNC3000X/U | £91.43 |

# PIR Sensor Kits for Non-Dimming Applications

Series 1000 PIR Sensors - use for standard on/off control.

## PIR Detection Pattern

The PIR (Passive infrared) sensor detects moving bodies of heat that are different (warmer or cooler) to the background temperature. The detection pattern is broadly rectangular at 9m x 7m when fixed at a ceiling height of 2.5m (longest length of detection aligns with the spring fixing clips).



### PIR Occupancy Sensor

- ▶ Luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Supplied with 5m Sensor Lead.

| DESCRIPTION              | PART NO. | PRICE   |
|--------------------------|----------|---------|
| PIR Occupancy sensor kit | FNS1200  | £121.66 |



### PIR Occupancy Sensor with Daylight Dependency

- ▶ Luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Supplied with 5m Sensor Lead.
- ▶ Note: Remote control (FRC/SET) required to set target light level.

| DESCRIPTION                                    | PART NO. | PRICE   |
|------------------------------------------------|----------|---------|
| PIR Occupancy sensor kit + daylight dependency | FNS1400  | £136.73 |



## PIR Absence/Occupancy Sensor

- ▶ You can configure this sensor as either absence or occupancy:
- ▶ In Absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Supplied with 5m Sensor Lead, and 10m Switch Drop Lead.

### DESCRIPTION

PIR Absence/occupancy sensor kit

PART NO.

PRICE

FNS1200/U

**£131.38**



## PIR Absence/Occupancy Sensor with Daylight Dependency

- ▶ You can configure this sensor as either absence or occupancy:
- ▶ In Absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Supplied with 5m Sensor Lead, and 10m Switch Drop Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

### DESCRIPTION

PIR Absence/occupancy sensor kit + daylight dependency

PART NO.

PRICE

FNS1400/U

**£146.45**

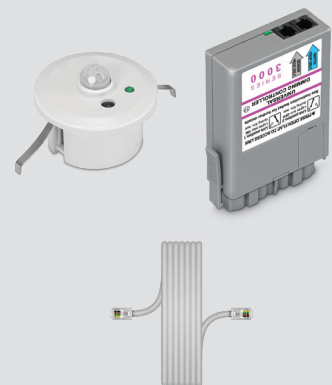
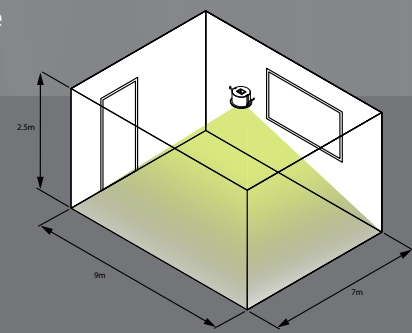


# PIR Sensor Kits for Dimming Applications

Series 3000 PIR Sensor Kits - use for dimming control. These controls are available with DSI, DALI and 1-10V (analogue) outputs.

## PIR Detection Pattern

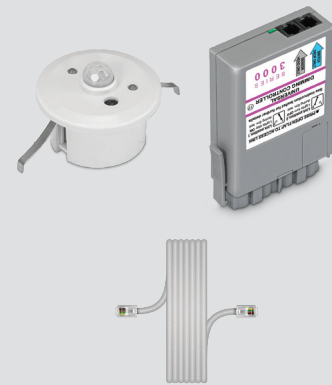
The PIR (Passive infrared) sensor detects moving bodies of heat that are different (warmer or cooler) to the background temperature. The detection pattern is broadly rectangular at 9m x 7m when fixed at a ceiling height of 2.5m (longest length of detection aligns with the spring fixing clips).



### PIR Occupancy Sensor + Manual Dimming

- ▶ Luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Manual Dimming of suitable luminaires can only be carried out using a Remote Control (FRC/SET or FRC/USER) - supplied separately.
- ▶ Supplied with 5m Sensor Lead.

| DESCRIPTION                                                 | PART NO. | PRICE   |
|-------------------------------------------------------------|----------|---------|
| PIR occupancy + manual dimming sensor kit, 1-10V (analogue) | FNS3200A | £147.21 |
| PIR occupancy + manual dimming sensor kit, DSI              | FNS3200D | £147.21 |
| PIR occupancy + manual dimming sensor kit, DALI             | FNS3200X | £147.21 |



### PIR Occupancy Sensor + Daylight Linking

- ▶ Luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Supplied with 5m Sensor Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

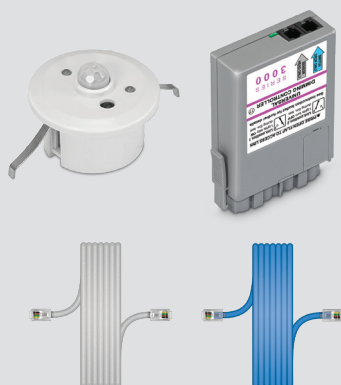
| DESCRIPTION                                                  | PART NO. | PRICE   |
|--------------------------------------------------------------|----------|---------|
| PIR occupancy + daylight linking sensor kit 1-10V (analogue) | FNS3400A | £164.84 |
| PIR occupancy + daylight linking sensor kit, DSI             | FNS3400D | £164.84 |
| PIR occupancy + daylight linking sensor kit, DALI            | FNS3400X | £164.84 |



## PIR Absence/Occupancy Sensor + Manual Dimming

- ▶ You can configure this sensor as either absence or occupancy:
- ▶ In absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Manual Dimming of suitable luminaires can be carried out using a momentary switch. Refer to technical section for information on compatible switches.
- ▶ Supplied with 5m Sensor Lead, and 10m Switch Drop Lead.

| DESCRIPTION                                                | PART NO.   | PRICE          |
|------------------------------------------------------------|------------|----------------|
| PIR occupancy + manual dimming sensor kit 1-10V (analogue) | FNS3200A/U | <b>£157.12</b> |
| PIR occupancy + manual dimming sensor kit DSI              | FNS3200D/U | <b>£157.12</b> |
| PIR occupancy + manual dimming sensor kit DALI             | FNS3200X/U | <b>£157.12</b> |



## PIR Absence/Occupancy Sensor + Daylight Linking + Manual Dimming

- ▶ You can configure this sensor as either absence or occupancy:
- ▶ In absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Manual Dimming of suitable luminaires can be carried out using a momentary switch. Refer to technical section for information on compatible switches.
- ▶ Supplied with 5m Sensor Lead, and 10m Switch Drop Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

| DESCRIPTION                                                                            | PART NO.   | PRICE          |
|----------------------------------------------------------------------------------------|------------|----------------|
| PIR absence/occupancy + daylight linking + manual dimming sensor kit, 1-10V (analogue) | FNS3400A/U | <b>£174.75</b> |
| PIR absence/occupancy + daylight linking + manual dimming sensor kit, DSI              | FNS3400D/U | <b>£174.75</b> |
| PIR absence/occupancy + daylight linking + manual dimming sensor kit, DALI             | FNS3400X/U | <b>£174.75</b> |

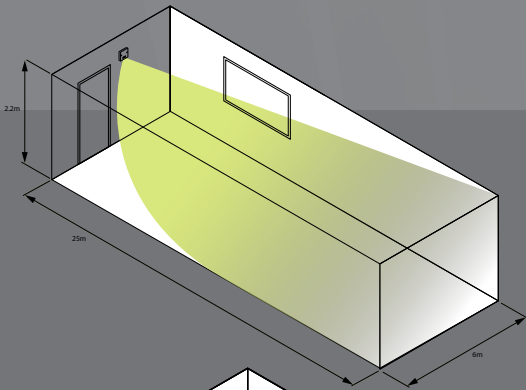
# Microwave Sensor Kits for Non-Dimming Applications

Series 1000 Microwave Sensor Kits - use for standard on/off control.

The Microwave Sensor emits low powered signals which are reflected back off walls and other objects. A change of condition eg. someone entering the room changes the reflected signal, and the sensor detects this as presence. flex7 Microwave Sensors are available as a wall-mounted, or ceiling-mounted option.

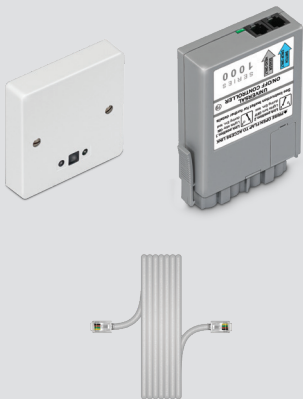
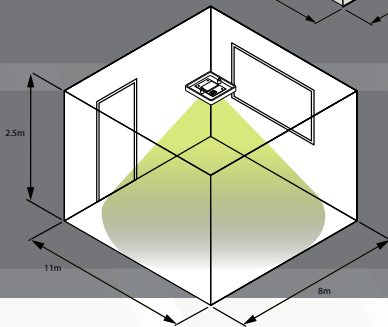
## Wall-mounted Microwave detection pattern

The detection pattern is broadly rectangular at 25m x 6m when fixed at a height of 2.2m.



## Ceiling-mounted Microwave detection pattern

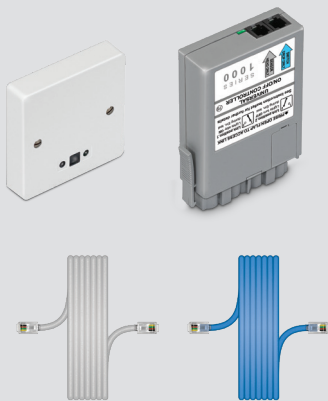
The detection pattern is elliptical at 8m x 11m when fixed at a ceiling height of 2.5m.



## Microwave Occupancy Sensor + Daylight Dependency

- ▶ Luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Supplied with 5m Sensor Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

| DESCRIPTION                                                           | PART NO.  | PRICE   |
|-----------------------------------------------------------------------|-----------|---------|
| Microwave occupancy sensor kit + daylight dependency, ceiling-mounted | FMS1400   | £144.74 |
| Microwave occupancy sensor kit + daylight dependency, wall-mounted    | FMS/W1400 | £139.37 |



## Microwave Absence/Occupancy Sensor + Daylight Dependency

- ▶ You can configure this sensor as either absence or occupancy:
- ▶ In absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Supplied with 5m Sensor Lead, and 10m Switch Drop Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

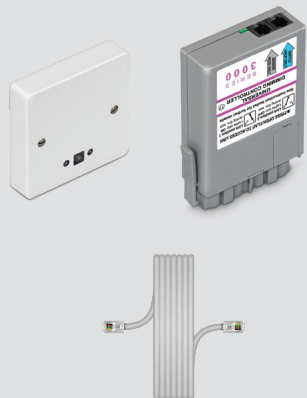
| DESCRIPTION                                                                   | PART NO.    | PRICE          |
|-------------------------------------------------------------------------------|-------------|----------------|
| Microwave absence/occupancy sensor kit + daylight dependency, ceiling-mounted | FMS1400/U   | <b>£154.46</b> |
| Microwave absence/occupancy sensor kit + daylight dependency, wall-mounted    | FMS/W1400/U | <b>£149.09</b> |

# Microwave Sensor Kits for Dimming Applications

Series 3000 Microwave sensor kits - use for dimming control. These controls are available with DSI, DALI and 1-10V (analogue) outputs.

The Microwave sensor emits low powered signals which are reflected back off walls and other objects. A change of condition eg. someone entering the room changes the reflected signal, and the sensor detects this as presence.

flex7 microwave Sensors are available as a wall-mounted, or ceiling-mounted option.

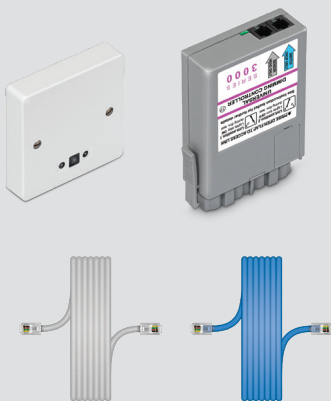


## Microwave Occupancy Sensor + Daylight Linking

- ▶ Luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Supplied with 5m Sensor Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

| DESCRIPTION                                                               | PART NO.   | PRICE   |
|---------------------------------------------------------------------------|------------|---------|
| Microwave occupancy + daylight linking, ceiling-mounted, 1-10V (analogue) | FMS3400A   | £172.85 |
| Microwave occupancy + daylight linking, ceiling-mounted, DSI              | FMS3400D   | £172.85 |
| Microwave occupancy + daylight linking, ceiling-mounted, DALI             | FMS3400X   | £172.85 |
| Microwave occupancy + daylight linking, wall-mounted, 1-10V (analogue)    | FMS/W3400A | £167.48 |
| Microwave occupancy + daylight linking, wall-mounted, DSI                 | FMS/W3400D | £167.48 |
| Microwave occupancy + daylight linking, wall-mounted, DALI                | FMS/W3400X | £167.48 |





## Microwave Absence/Occupancy Sensor + Daylight Linking + Manual Dimming

- ▶ You can configure this sensor as either absence or occupancy:
- ▶ In absence mode, luminaires need to be switched on manually on entry. They will switch off automatically if the room/area is vacated.
- ▶ In Occupancy mode, luminaires switch on automatically when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Manual dimming of suitable luminaires can be carried out using a momentary switch. Refer to technical section for information on compatible switches.
- ▶ Supplied with 5m Sensor Lead, and 10m Switch Drop Lead.
- ▶ Note: Remote Control (FRC/SET) required to set target light level.

| DESCRIPTION                                                                                        | PART NO.     | PRICE          |
|----------------------------------------------------------------------------------------------------|--------------|----------------|
| Microwave absence/occupancy + daylight linking + manual dimming, ceiling-mounted, 1-10V (analogue) | FMS3400A/U   | <b>£182.76</b> |
| Microwave absence/occupancy + daylight linking + manual dimming, ceiling-mounted, DSI              | FMS3400D/U   | <b>£182.76</b> |
| Microwave absence/occupancy + daylight linking + manual dimming, ceiling-mounted, DALI             | FMS3400X/U   | <b>£182.76</b> |
| Microwave absence/occupancy + daylight linking + manual dimming, wall-mounted, 1-10V (analogue)    | FMS/W3400A/U | <b>£177.39</b> |
| Microwave absence/occupancy + daylight linking + manual dimming, wall-mounted, DSI                 | FMS/W3400D/U | <b>£177.39</b> |
| Microwave absence/occupancy + daylight linking + manual dimming, wall-mounted, DALI                | FMS/W3400X/U | <b>£177.39</b> |

# Hotel Room Energy-Saving Kit

A simple lighting & HVAC control system that delivers the energy savings traditional hotel room key cards don't.

- The kit uses occupancy sensing in conjunction with the room door opening/closing to turn power on when someone enters their hotel room, and automatically turn it off when the occupant leaves.
- Protected Extra Low Voltage (PELV) making it a safe option to use in spaces accessed by the general public.
- Sensor Heads are small and unobtrusive ensuring they blend seamlessly with the room's décor, and the flashing LED is only active during commissioning.
- The control kits are designed to operate in a single bedroom with adjoining ensuite, but can easily be expanded to operate in a multi-room suite of almost any size
- Suitable for use in new build and retrofit applications.
- More convenient for the guest than inserting/removing a keycard
- The system can't be fooled, unlike leaving a spare keycard in the holder.

## Hotel Room Energy-Saving Kits

| DESCRIPTION                                                                                                                                                                                                  | PART NO.         | PRICE   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------|
| Energy saving hotel room control pack (1 bedroom and ensuite) to switch contactors with a 230V coil                                                                                                          | FNS2200/HOTEL    | £271.87 |
| Energy saving hotel room control pack (1 bedroom & ensuite) to switch contactors with 230V coil + separate volt free contact for HVAC control                                                                | FNS2200/HOTEL/VF | £303.84 |
| KIT CONTENTS                                                                                                                                                                                                 |                  |         |
|  1 x Grey 7-pole Socket (FTS07/G)                                                                                         |                  |         |
|  1 x Hotel Control Module (FNC2000/HOTEL)<br>OR<br>1 x Hotel Control Module with additional VF Contact (FNC2000/HOTEL/VF) |                  |         |
|  1 x Hotel PIR Sensor Head (FNHPIR/HOTEL)<br>1 x Hotel PIR Auxiliary Sensor Head (FNH/PIR/AUX/HOTEL)                       |                  |         |
|  2 x 5m (FSL05)                                                                                                           |                  |         |
|  1 x Standard Y Adaptor (FSY/A)                                                                                           |                  |         |
|  1 x Switch Drop Lead, 5m (FSW05)                                                                                         |                  |         |

## Optional Extras

| DESCRIPTION                                                                                                       | PART NO.         | PRICE  |
|-------------------------------------------------------------------------------------------------------------------|------------------|--------|
| PIR extender pack for larger bedrooms and additional coverage (includes Sensor Head, 10m lead, and 'Y' Adaptor ). | FNH/AUX/10/HOTEL | £77.38 |

# Networking Sensors

We have a range of Sensors that can be networked together in order to share signals over rooms and areas; circuits and phases. This means that luminaires can all be held on in linked areas, turned off with a single switch, emergency test can be initiated on multiple circuits of luminaires simultaneously etc.

## A few examples:

### Global Emergency Test

If your Control Modules have integrated emergency test then 1 key switch can initiate the test on multiple Control Modules, even if they're controlling luminaires on different circuits, or even different phases.

### Global Occupancy

Useful for large areas controlled by many individual Control Modules, on different circuits. Occupancy anywhere in the networked area will operate all lights.

### Corridor Hold

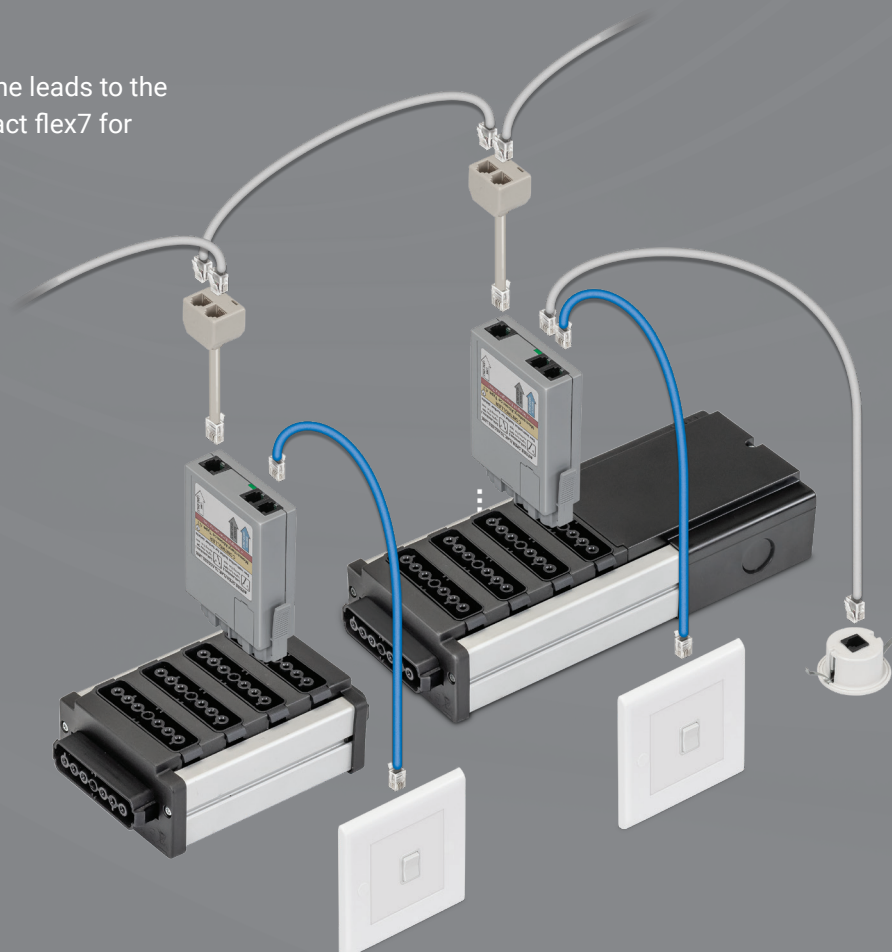
Use with a flex7 Corridor Hold Box to operate and hold corridor luminaires on if any adjacent areas are occupied.

### Last Man Out Switch

All lights in a building or area can be turned off with a single switch, as you leave the building.

A 'Y' Adaptor

is needed to connect the leads to the Control Modules. Contact flex7 for further advice.



# Networkable Control Modules for Non-Dimming Applications

Series 2000 Control Modules - use for standard (on/off) control.



## Occupancy Control Module

- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Requires a Sensor Head and Sensor Lead to operate.

| DESCRIPTION                          | PART NO. | PRICE  |
|--------------------------------------|----------|--------|
| Networkable occupancy control module | FNC2000  | £89.07 |



## Absence Control Module

- ▶ Use with 2-way centre off retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.

| DESCRIPTION                                                               | PART NO.   | PRICE  |
|---------------------------------------------------------------------------|------------|--------|
| Networkable absence control module for 2-way centre off retractive switch | FNC2000/AB | £89.07 |



## Absence Control Module

- ▶ Use with 1-way retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.

| DESCRIPTION                                                    | PART NO.   | PRICE  |
|----------------------------------------------------------------|------------|--------|
| Networkable absence control module for 1-way retractive switch | FNC2000/AT | £89.07 |

# Networkable Control Modules for Non-Dimming Applications + Integral Emergency Test

Series 2000 Control Modules - use for standard (on/off) control with integral emergency test.



## Occupancy + Integral Emergency Test Control Module

- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Complete with additional relay to facilitate routine emergency luminaire test.
- ▶ Requires a Sensor Head and Sensor Lead to operate.
- ▶ Emergency test switch must be latching not retractive.

### DESCRIPTION

Networkable occupancy + integral emergency test control module

### PART NO.

FNC2000/E

### PRICE

£106.42



## Absence + Integral Emergency Test Control Module

- ▶ Use with 2-way centre off retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Complete with additional relay to facilitate routine emergency luminaire test.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Emergency test switch must be latching not retractive.

### DESCRIPTION

Networkable absence + integral emergency test control module for 2-way centre off retractive switch

### PART NO.

FNC2000/AB/E

### PRICE

£106.42



## Absence + Integral Emergency Test Control Module

- ▶ Use with 1-way retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires switch off automatically when there is adequate ambient light. Typically this means luminaires are off during brighter periods of the day.
- ▶ Complete with additional relay to facilitate routine emergency luminaire test.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Emergency test switch must be latching not retractive.

### DESCRIPTION

Networkable absence + integral emergency test control module for 1-way retractive switch

### PART NO.

FNC2000/AT/E

### PRICE

£106.42



# Networkable Control Modules for Non-Dimming Applications + Second Switch Relay

Series 2000 Control Modules - use for standard (on/off) control with extra switch circuit.  
Note: Must be used in conjunction with F2U Distribution Box (see page 16).



## Occupancy + Second Switch Relay Control Module

- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires controlled by Relay 1 switch off automatically when there is adequate ambient light, but those controlled by Relay 2 are unaffected. Typically this means luminaires adjacent to windows (Relay 1) are off during brighter periods of the day, whilst those further away (Relay 2) remain on.
- ▶ Requires a Sensor Head and Sensor Lead to operate.

| DESCRIPTION                                                | PART NO.  | PRICE   |
|------------------------------------------------------------|-----------|---------|
| Networkable occupancy + second switch relay control module | FNC2000/2 | £115.07 |



## Absence + Second Switch Relay Control Module

- ▶ Use with 2-way centre off retractive switch (Relay 1) and 1-way retractive switch (Relay 2)
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires controlled by Relay 1 switch off automatically when there is adequate ambient light, but those controlled by Relay 2 are unaffected. Typically this means luminaires adjacent to windows (Relay 1) are off during brighter periods of the day, whilst those further away (Relay 2) remain on.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.

| DESCRIPTION                                                                                                                 | PART NO.     | PRICE   |
|-----------------------------------------------------------------------------------------------------------------------------|--------------|---------|
| Networkable absence + second switch relay control module for 2-way centre off retractive switch and 1-way retractive switch | FNC2000/AB/2 | £115.07 |



## Absence + Second Switch Relay Control Module

- ▶ Use with 2 x 1-way retractive switches (Relays 1 & 2)
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires controlled by Relay 1 switch off automatically when there is adequate ambient light, but those controlled by Relay 2 are unaffected. Typically this means luminaires adjacent to windows (Relay 1) are off during brighter periods of the day, whilst those further away (Relay 2) remain on.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.

| DESCRIPTION                                                                                | PART NO.     | PRICE   |
|--------------------------------------------------------------------------------------------|--------------|---------|
| Networkable absence + second switch relay control module for 2 x 1-way retractive switches | FNC2000/AT/2 | £115.07 |



## Absence + Second Switch Relay Control Module

- ▶ Use with 2 x 1-way retractive switches (Relays 1 & 2)
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires controlled by Relay 1 switch off automatically when there is adequate ambient light, but those controlled by Relay 2 are unaffected. Typically this means luminaires adjacent to windows (Relay 1) are off during brighter periods of the day, whilst those further away (Relay 2) remain on..
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.

### DESCRIPTION

Absence + second switch relay control module  
for 2 x 1-way retractive switches

**PART NO.** FNC2000/AB/2/L **PRICE** £116.65



## Absence + Second Switch Relay Control Module

- ▶ For use with 1-way retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning luminaires controlled by Relay 1 switch off automatically when there is adequate ambient light, but those controlled by Relay 2 are unaffected. Typically this means luminaires adjacent to windows (Relay 1) are off during brighter periods of the day, whilst those further away (Relay 2) remain on..
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.

### DESCRIPTION

Absence + second switch relay control module  
for 1-way retractive switches

**PART NO.** FNC2000/AT/2/L **PRICE** £116.65

# Networkable Control Modules for Dimming Applications

Series 4000 Control Modules - use for dimming control.



## Occupancy Control Dimming Module

- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Requires a Sensor Head and Sensor Lead to operate.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                       | PART NO. | PRICE   |
|---------------------------------------------------|----------|---------|
| Networkable occupancy + dimming, 1-10V (analogue) | FNC4000A | £104.70 |
| Networkable occupancy + dimming, DSI              | FNC4000D | £104.70 |
| Networkable occupancy + dimming, DALI             | FNC4000X | £104.70 |



## Absence Control Dimming Module

- ▶ Use with 2-way centre off retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ The retractive switch can also be used to manually dim/brighten the luminaires.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                                             | PART NO.    | PRICE   |
|-----------------------------------------------------------------------------------------|-------------|---------|
| Networkable absence + dimming, 1-10V (analogue), for 2-way centre off retractive switch | FNC4000A/AB | £104.70 |
| Networkable absence + dimming, DSI, for 2-way centre off retractive switch              | FNC4000D/AB | £104.70 |
| Networkable absence + dimming, DALI, for 2-way centre off retractive switch             | FNC4000X/AB | £104.70 |



## Absence Control Dimming Module

- ▶ Use with 1-way retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ The retractive switch can also be used to manually dim/brighten the luminaires.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                                 | PART NO.    | PRICE          |
|-----------------------------------------------------------------------------|-------------|----------------|
| Networkable absence + dimming 1-10V (analogue), for 1-way retractive switch | FNC4000A/AT | <b>£104.70</b> |
| Networkable absence + dimming DSI, for 1-way retractive switch              | FNC4000D/AT | <b>£104.70</b> |
| Networkable absence + dimming DALI, for 1-way retractive switch             | FNC4000X/AT | <b>£104.70</b> |

# Networkable Control Modules for Dimming Applications + Integral Emergency Test

Series 4000 Control Modules - use for dimming control with integral emergency test.



## Occupancy Control Dimming Module + Integral Emergency Test

- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor, a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Complete with additional relay to facilitate routine emergency luminaire test.
- ▶ Requires a Sensor Head and Sensor Lead to operate.
- ▶ Emergency test switch must be latching, not retractive.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                                 | PART NO.   | PRICE   |
|-----------------------------------------------------------------------------|------------|---------|
| Networkable occupancy + dimming + integral emergency test, 1-10V (analogue) | FNC4000A/E | £126.74 |
| Networkable occupancy + dimming + integral emergency test, DSI              | FNC4000D/E | £126.74 |
| Networkable occupancy + dimming + integral emergency test, DALI             | FNC4000X/E | £126.74 |



## Absence Control Dimming Module + Integral Emergency Test

- ▶ Use with 2-way centre off retractive switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Complete with additional relay to facilitate routine emergency luminaire test.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Emergency test switch must be latching, not retractive.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                                                             | PART NO.      | PRICE   |
|---------------------------------------------------------------------------------------------------------|---------------|---------|
| Networkable absence + dimming + integral test, 1-10V (analogue), for 2-way centre off retractive switch | FNC4000A/AB/E | £126.74 |
| Networkable absence + dimming + integral test, DSI, for 2-way centre off retractive switch              | FNC4000D/AB/E | £126.74 |
| Networkable absence + dimming + integral test, DALI, for 2-way centre off retractive switch             | FNC4000X/AB/E | £126.74 |





- ## PRICE

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# Networkable Control Modules for Dimming Applications + Second Switch Relay

Series 4000 Control Modules - use for dimming control with extra switch circuit.

Note: must be used in conjunction with F2U Distribution Box (see page 12)



## Occupancy Control Dimming Module + Second Switch Relay

- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires automatically switch on when movement is detected, and off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Requires a Sensor Head and Sensor Lead to operate.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                          | PART NO.   | PRICE   |
|----------------------------------------------------------------------|------------|---------|
| Networkable occupancy + dimming + 2nd switch relay, 1-10V (analogue) | FNC4000A/2 | £138.61 |
| Networkable occupancy + dimming + 2nd switch relay DSI               | FNC4000D/2 | £138.61 |
| Networkable occupancy + dimming + 2nd switch relay DALI              | FNC4000X/2 | £138.61 |



## Absence Control Dimming Module + Second Switch Relay

- ▶ Use with 2-way centre-off retractive switch (Relay 1) & 1-way retractive switch (Relay 2)
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Relays 1 & 2 can be manually switched independently of one another via the retractive switches.
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                                                                | PART NO.      | PRICE   |
|------------------------------------------------------------------------------------------------------------|---------------|---------|
| Networkable absence + dimming + 2nd switch relay, 1-10V (analogue), for 2-way centre off retractive switch | FNC4000A/AB/2 | £138.61 |
| Networkable absence + dimming + 2nd switch relay, DSI, for 2-way centre off retractive switch              | FNC4000D/AB/2 | £138.61 |
| Networkable absence + dimming + 2nd switch relay, DALI, for 2-way centre off retractive switch             | FNC4000X/AB/2 | £138.61 |



## Absence Control Dimming Module + Second Switch Relay

- ▶ Use with 2 x 1-way retractive switches (Relays 1 & 2)
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Relays 1 & 2 can be manually switched independently of one another via the retractive switches
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                        | PART NO.      | PRICE          |
|--------------------------------------------------------------------|---------------|----------------|
| Networkable absence + dimming + 2nd switch relay, 1-10V (analogue) | FNC4000A/AT/2 | <b>£138.61</b> |
| Networkable absence + dimming + 2nd switch relay, DSI              | FNC4000D/AT/2 | <b>£138.61</b> |
| Networkable absence + dimming + 2nd switch relay, DALI             | FNC4000X/AT/2 | <b>£138.61</b> |



## Absence Control Dimming Module + Second Switch Relay

- ▶ Use with 3-position centre return switch
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Relays 1 & 2 can be manually switched independently of one another via the retractive switches
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

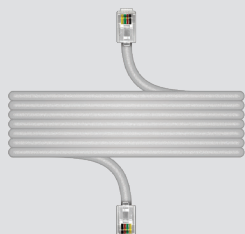
| DESCRIPTION                                                                                            | PART NO.        | PRICE          |
|--------------------------------------------------------------------------------------------------------|-----------------|----------------|
| Networkable absence + dimming + 2nd switch relay, 1-10V (analogue) for 3-position centre return switch | FNC4000A/AB/2/L | <b>£140.80</b> |
| Networkable absence + dimming + 2nd switch relay, DSI, for 3-position centre return switch             | FNC4000D/AB/2/L | <b>£140.80</b> |
| Networkable absence + dimming + 2nd switch relay, DALI, for 3-position centre return switch            | FNC4000X/AB/2/L | <b>£140.80</b> |



## Absence Control Dimming Module + Second Switch Relay

- ▶ Use with 2-way centre off retractive switch (Relay 1) and 1-way retractive switch (Relay 2)
- ▶ When used with a 'Primary' Sensor Head, PIR or Microwave, luminaires need to be switched on manually on entry. They will automatically switch off when the room/area is vacated.
- ▶ Additionally, when used with a Sensor Head incorporating a light level sensor a target light level can be set, meaning suitable luminaires dim/brighten automatically in response to ambient light conditions, so maintaining an overall constant light level in the area.
- ▶ Relays 1 & 2 can be manually switched independently of one another via the retractive switches
- ▶ Requires a Sensor Head, Sensor Lead and Switch Drop Lead to operate.
- ▶ Control Modules are protocol sensitive. Use 'A', 'D' or 'X' as appropriate.

| DESCRIPTION                                                                                                | PART NO.        | PRICE   |
|------------------------------------------------------------------------------------------------------------|-----------------|---------|
| Networkable absence + dimming + 2nd switch relay, 1-10V (analogue), for 2-way centre off retractive switch | FNC4000A/AT/2/L | £140.80 |
| Networkable absence + dimming + 2nd switch relay, DSI, for 2-way centre off retractive switch              | FNC4000D/AT/2/L | £140.80 |
| Networkable absence + dimming + 2nd switch relay, DALI, for 2-way centre off retractive switch             | FNC4000X/AT/2/L | £140.80 |



## Networking Leads

- ▶ Use to connect suitable Control Modules together to create a network.
- ▶ Leads are available in a number of different lengths.

| DESCRIPTION                     | PART NO. | PRICE  |
|---------------------------------|----------|--------|
| Networking lead, LSHF, 5 metre  | FNL05    | £12.14 |
| Networking lead, LSHF, 10 metre | FNL10    | £21.00 |
| Networking lead, LSHF, 20 metre | FNL20    | £39.10 |
| Networking lead, LSHF, 30 metre | FNL30    | £59.88 |



## Networking Adaptor

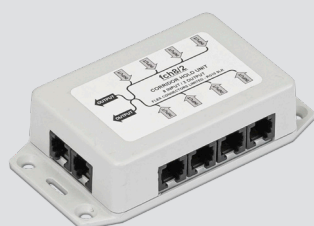
- ▶ Use to connect networking leads to Control Modules.

| DESCRIPTION        | PART NO. | PRICE |
|--------------------|----------|-------|
| Networking Adaptor | FNY/A    | £6.76 |



## Corridor Hold Interface

- ▶ Use to keep luminaires in specific parts of a building on whilst other areas are occupied eg. a corridor/circulation area is lit whenever an adjacent room is in use.
- ▶ The interface does not require a mains supply, and is connected to a Control Module via a plug-in Network Lead.
- ▶ Each Corridor Hold Interface accepts up to 8 x inputs with 2 x outputs. It is however, possible to link 2 or more together, increasing the number of possible inputs in multiples of 8.



| DESCRIPTION                                    | PART NO. | PRICE   |
|------------------------------------------------|----------|---------|
| Corridor Hold Interface - 2 inputs / 1 output  | FCH2/1   | £53.93  |
| Corridor Hold Interface - 8 inputs / 2 outputs | FCH8/2   | £154.85 |



## Timer Management Interface

- ▶ Use to keep luminaires on in specific parts of a building, at predetermined times of the day eg. all core areas are lit during normal working hours, and reverting to occupancy control at all other times.
- ▶ The interface is a single channel/7-day device and is connected to a Control Module via a plug-in Network Lead.
- ▶ Timed control of luminaires in multiple areas requires a Zone Splitter (below).

### DESCRIPTION

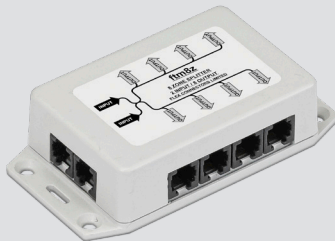
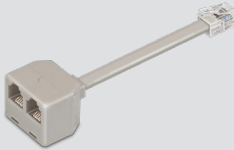
Timer Management Interface

### PART NO.

FTM100

### PRICE

**£580.53**



## Zone Splitter

- ▶ Use to connect luminaires in up to 8 separate areas to a Timer Management Interface eg. all zones are lit by Timer Management Interface during programmed house, but revert to being separately controlled at all other times.
- ▶ The Splitter does not require a mains supply and is connected to a Control Module and the Timer Management Interface via plug-in Network Leads.
- ▶ Each Splitter accepts up to 1 x inputs with 8 x outputs, but it is possible to link 2 or more together, increasing the number of possible outputs in multiples of 8.

### DESCRIPTION

2-Zone Splitter - 2 outputs / 1 input

8-Zone Splitter - 8 outputs / 2 inputs

### PART NO.

FTM2Z

FTM8Z

### PRICE

**£53.93**

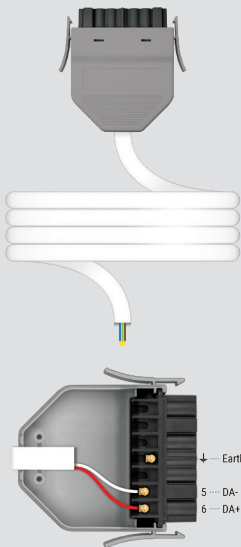
**£154.85**



# 3rd Party Control Leads

Use with 3rd party (non-flex7) control modules.

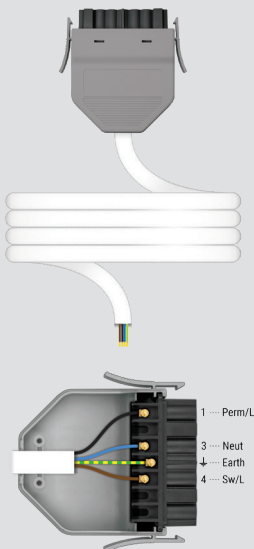
Connect free end of lead to appropriate terminals of device.



## 2-Core DALI Control Lead

- ▶ Use with DALI devices (assumed powered by DALI).

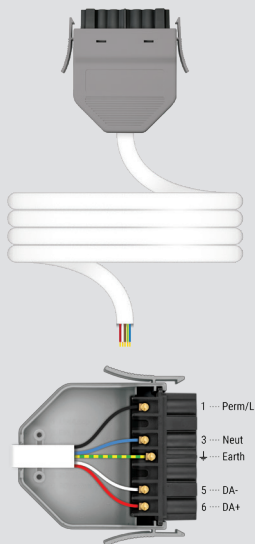
| DESCRIPTION           | LSHF CABLE     | PRICE         |
|-----------------------|----------------|---------------|
| 1.50mm cable, 2 metre | FW2150LSHF2/GC | <b>£13.53</b> |
| 1.50mm cable, 3 metre | FW2150LSHF3/GC | <b>£16.08</b> |
| 1.50mm cable, 5 metre | FW2150LSHF5/GC | <b>£21.59</b> |
| 1.50mm cable, 7 metre | FW2150LSHF7/GC | <b>£27.07</b> |



## 4-Core Control Lead

- ▶ Use with 3rd party, 230V on/off control devices.

| DESCRIPTION           | LSHF CABLE     | PRICE         |
|-----------------------|----------------|---------------|
| 1.50mm cable, 2 metre | FW4150LSHF2/GC | <b>£17.78</b> |
| 1.50mm cable, 3 metre | FW4150LSHF3/GC | <b>£21.69</b> |
| 1.50mm cable, 5 metre | FW4150LSHF5/GC | <b>£29.31</b> |
| 1.50mm cable, 7 metre | FW4150LSHF7/GC | <b>£37.33</b> |



## 5-Core Control Lead

- Use with dimmable 3rd party 230V control devices (DSI or DALI).

### DESCRIPTION

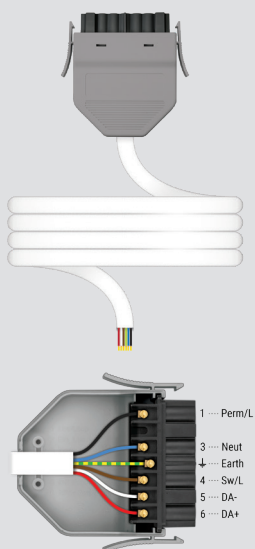
|                       |
|-----------------------|
| 1.50mm cable, 2 metre |
| 1.50mm cable, 3 metre |
| 1.50mm cable, 5 metre |
| 1.50mm cable, 7 metre |

### LSHF CABLE

|                |
|----------------|
| FW5150LSHF2/GC |
| FW5150LSHF3/GC |
| FW5150LSHF5/GC |
| FW5150LSHF7/GC |

### PRICE

|               |
|---------------|
| <b>£20.10</b> |
| <b>£24.76</b> |
| <b>£33.92</b> |
| <b>£42.71</b> |



## 6-Core Control Lead

- Use with dimmable, 3rd party 230V control devices (Analogue, DSI or DALI).

### DESCRIPTION

|                       |
|-----------------------|
| 1.50mm cable, 2 metre |
| 1.50mm cable, 3 metre |
| 1.50mm cable, 5 metre |
| 1.50mm cable, 7 metre |

### LSHF CABLE

|                |
|----------------|
| FW6150LSHF2/GC |
| FW6150LSHF3/GC |
| FW6150LSHF5/GC |
| FW6150LSHF7/GC |

### PRICE

|               |
|---------------|
| <b>£23.82</b> |
| <b>£29.49</b> |
| <b>£41.34</b> |
| <b>£52.05</b> |

## flex7 Switches

Our unique range of plug-in Switches connect to the Control Module using a factory prepared Switch Drop Lead incorporating RJ connectors. One end of the lead plugs straight into the Control Module, the other simply plugs directly into the switch – no on-site terminations are necessary. Alternatively, the Switch Drop Lead can be hardwired into the terminals of a 3rd party switch if preferred.

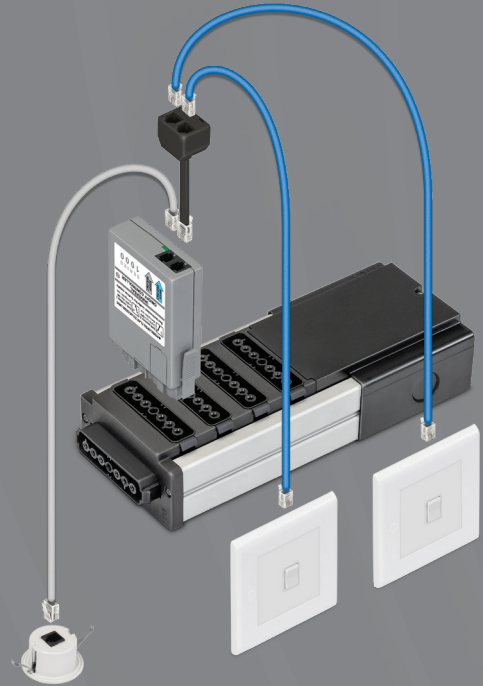
flex7 lighting controls operate at Protected Extra Low Voltage (PELV) so regardless of how deep you sink it into the wall you won't necessarily need to enclose the Switch Drop Lead in an earthed metallic enclosure / covering or provide RCD circuit protection.

### Retractive (momentary) Switch

A switch where the rocker springs back to a default position when released, allowing 'pulsed' operation.

### Latched Switch (not available from flex7 - 3rd party only)

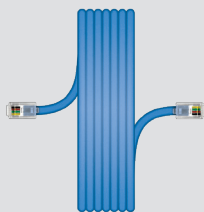
A switch where the rocker stays in the position it is moved to when released.



### Simple plug-in connection via RJ ready lead

Unlike traditional hard-wired switches, flex7 Switches incorporate RJ connectivity meaning termination takes a second and requires no screwdrivers, strippers or earthing/sleeving. Installation time is reduced to a minimum as a result, especially when all the additional benefits of using a PELV system are taken into account.

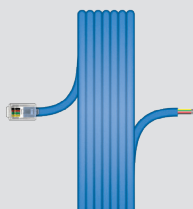




## Switch Drop Leads for flex7 Switches

- Use to connect a Control Module to a flex7 switch.

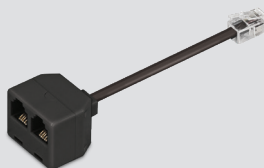
| DESCRIPTION                      | PART NO. | PRICE         |
|----------------------------------|----------|---------------|
| Switch drop lead, LSHF, 5 metre  | FSL05/BL | <b>£9.24</b>  |
| Switch drop lead, LSHF, 10 metre | FSL10/BL | <b>£15.20</b> |
| Switch drop lead, LSHF, 20 metre | FSL20/BL | <b>£25.82</b> |
| Switch drop lead, LSHF, 30 metre | FSL30/BL | <b>£39.20</b> |



## Switch Drop Leads for 3rd Party Switches

- Use to connect a Control Module to a 3rd party switch with screwed terminals.
- flex7 controls operate at Protected Extra Low Voltage (PELV) This mean Switch Drop Leads can be installed at any depth within the wall, and will not require mechanical and RCD Protection, whilst remaining fully compliant with current IET wiring regulations.

| DESCRIPTION                                | PART NO. | PRICE         |
|--------------------------------------------|----------|---------------|
| 3rd party switch drop lead, LSHF, 5 metre  | FSW05    | <b>£10.20</b> |
| 3rd party switch drop lead, LSHF, 10 metre | FSW10    | <b>£16.47</b> |
| 3rd party switch drop lead, LSHF, 20 metre | FSW20    | <b>£27.80</b> |
| 3rd party switch drop lead, LSHF, 30 metre | FSW30    | <b>£39.70</b> |



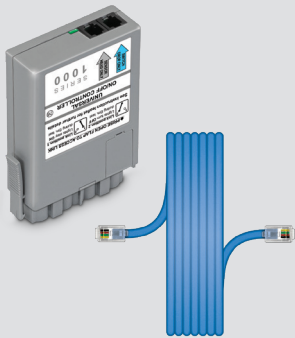
## 'Y' Adaptor

- Use to plug 2 leads into a single control module. For use with link leads or switch drop leads.

| DESCRIPTION | PART NO. | PRICE        |
|-------------|----------|--------------|
| 'Y' Adaptor | FSY/A    | <b>£5.95</b> |

# Switch Kits for Non-Dimming Applications

Series 1000 Switches - Use for manual on/off control.



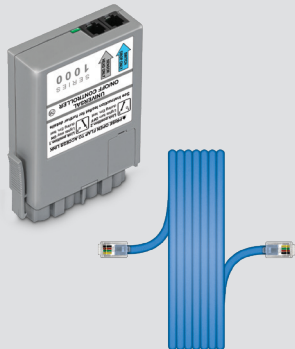
## Manual Switching Kit

- ▶ Luminaires must be switched on/off manually.
- ▶ Use with a flex7 plug-in switch or 3rd party switch.
- ▶ Supplied with a 10m Switch Drop Lead.
- ▶ Switch not Included

| DESCRIPTION       | PART NO.  | PRICE  |
|-------------------|-----------|--------|
| Manual switch kit | FNS1000/U | £72.04 |

# Switch Kits for Dimming Applications

Series 3000 Switches - Use for manual dimming control.



## Manual Dimming & Switching Kits

- ▶ Luminaires must be switched on/off and dimmed/brightened manually.
- ▶ Use with a flex7 plug-in switch or 3rd party switch.
- ▶ Supplied with a 10m Switch Drop Lead.
- ▶ Note: Control Modules are protocol specific. Use 'A', 'D' or 'X' as appropriate.
- ▶ Switch not included

| DESCRIPTION                      | PART NO.   | PRICE   |
|----------------------------------|------------|---------|
| Manual dimming switch kit, 1-10V | FNS3000A/U | £102.51 |
| Manual dimming switch kit, DSI   | FNS3000D/U | £102.51 |
| Manual dimming switch kit, DALI  | FNS3000X/U | £102.51 |



# Switches

flex7 Switches uniquely incorporate RJ connectivity, meaning no on-site termination is required; the Switch Drop Lead simply plugs-in.

Switches can be supplied with a decorative fascia, or will fit into any manufacturer's single gang 50mm x 50mm Euro Module faceplate.

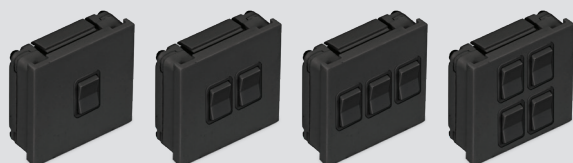
Switches must be used in conjunction with a Control Module. A Switch Drop Lead is needed to connect the Switch to a Control Module.



## White Switch Modules

- Use if you wish to source your own decorative fascia.
- Clips into 50mm x 50mm Euromod style fascia.

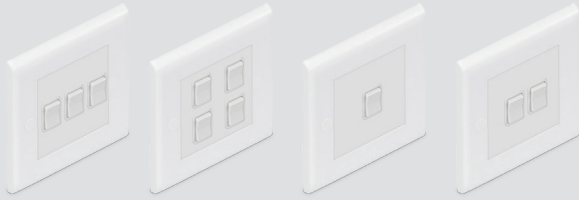
| DESCRIPTION                 | 2-WAY CENTRE OFF RETRACTIVE SWITCH | PRICE  | 1-WAY RETRACTIVE SWITCH | PRICE  |
|-----------------------------|------------------------------------|--------|-------------------------|--------|
| 1-Gang switch module, white | FWS01/M/AB/W                       | £24.97 | FWS01/M/AT/W            | £24.97 |
| 2-Gang switch module, white | FWS02/M/AB/W                       | £26.79 | FWS02/M/AT/W            | £26.79 |
| 3-Gang switch module, white | FWS03/M/AB/W                       | £33.90 | FWS03/M/AT/W            | £33.90 |
| 4-Gang switch module, white | FWS04/M/AB/W                       | £40.71 | FWS04/M/AT/W            | £40.71 |



## Black Switch Modules

- Use if you wish to source your own decorative fascia.
- Clips into 50mm x 50mm Euromod style fascia.

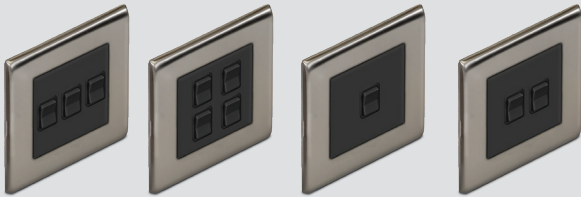
| DESCRIPTION                 | 2-WAY CENTRE OFF RETRACTIVE SWITCH | PRICE  | 1-WAY RETRACTIVE SWITCH | PRICE  |
|-----------------------------|------------------------------------|--------|-------------------------|--------|
| 1-Gang switch module, black | FWS01/M/AB/B                       | £24.97 | FWS01/M/AT/B            | £24.97 |
| 2-Gang switch module, black | FWS02/M/AB/B                       | £26.79 | FWS02/M/AT/B            | £26.79 |
| 3-Gang switch module, black | FWS03/M/AB/B                       | £33.90 | FWS03/M/AT/B            | £33.90 |
| 4-Gang switch module, black | FWS04/M/AB/B                       | £40.71 | FWS04/M/AT/B            | £40.71 |



## White Switch Modules + Decorative Fascia

- ▶ Switch module complete with white decorative fascia.

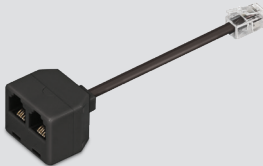
| DESCRIPTION                          | 2-WAY CENTRE OFF RETRACTIVE SWITCH | PRICE         | 1-WAY RETRACTIVE SWITCH | PRICE         |
|--------------------------------------|------------------------------------|---------------|-------------------------|---------------|
| 1-Gang switch module + fascia, white | FWS01/K/AB/W/WP                    | <b>£30.82</b> | FWS01/K/AT/W/WP         | <b>£30.82</b> |
| 2-Gang switch module + fascia, white | FWS02/K/AB/W/WP                    | <b>£32.64</b> | FWS02/K/AT/W/WP         | <b>£32.64</b> |
| 3-Gang switch module + fascia, white | FWS03/K/AB/W/WP                    | <b>£39.75</b> | FWS03/K/AT/W/WP         | <b>£39.75</b> |
| 4-Gang switch module + fascia, white | FWS04/K/AB/W/WP                    | <b>£46.56</b> | FWS04/K/AT/W/WP         | <b>£46.56</b> |



## Black Switch Modules + Decorative Fascia

- ▶ Switch module complete with satin steel decorative fascia.

| DESCRIPTION                                 | 2-WAY CENTRE OFF RETRACTIVE SWITCH | PRICE         | 1-WAY RETRACTIVE SWITCH | PRICE         |
|---------------------------------------------|------------------------------------|---------------|-------------------------|---------------|
| 1-Gang switch module + fascia, black/silver | FWS01/K/AB/B/SS                    | <b>£52.42</b> | FWS01/K/AT/B/SS         | <b>£52.42</b> |
| 2-Gang switch module + fascia, black/silver | FWS02/K/AB/B/SS                    | <b>£54.24</b> | FWS02/K/AT/B/SS         | <b>£54.24</b> |
| 3-Gang switch module + fascia, black/silver | FWS03/K/AB/B/SS                    | <b>£61.35</b> | FWS03/K/AT/B/SS         | <b>£61.35</b> |
| 4-Gang switch module + fascia, black/silver | FWS04/K/AB/B/SS                    | <b>£68.16</b> | FWS04/K/AT/B/SS         | <b>£68.16</b> |



## 'Y' Adaptor

- ▶ Required to configure certain Switch Modules to a flex7 Control Module. The type you require will depend on the combination of Switch/Control Module used.

| DESCRIPTION                                                                      | PART NO.  | PRICE         |
|----------------------------------------------------------------------------------|-----------|---------------|
| Switch adaptor, for 1-way retractive switch + FNS1000 or FNS3000 Kits            | FWSY13/AT | <b>£16.57</b> |
| Switch adaptor, for 2-way centre off retractive switch + FNS3000 Kits            | FWSY3/AB  | <b>£16.57</b> |
| Switch adaptor, for 1-way retractive switch + FNC2000 or FNC4000 Control Modules | FWSY24/AT | <b>£16.57</b> |

# ZoneLite Lighting Control Module

ZoneLite combines all the features of a flex7 lighting distribution box with the power of 4 integrated and fully networked control modules, making it possible to connect and control 4 groups of luminaires from a central point.

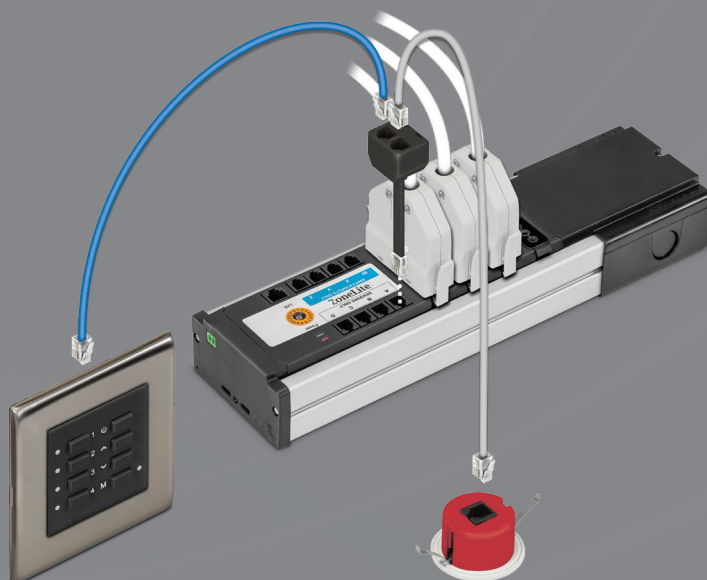
ZoneLite Lighting Control Modules are available in two variants; Type T and Type G. Type T variants are predominantly aimed at education environments whereas Type G variants lend themselves more to commercial installations; offices; retail etc. Both types are so flexible however that either can be ideally suited to a whole host of installations and applications.

Each variant is pre-configured with 15 on-site selectable lighting scenarios, so there's one to suit most installation requirements, whether the luminaires are split across 4 individual rows or over 4 individual rooms.

ZoneLite's on-board control software allows the following options to be easily applied on a group by group basis by the installer, negating the need for specialist and expensive commissioning

ZoneLite utilises the flex7 philosophy of plug-in Sensor Heads, Switches and Scene Set Plates, dramatically reducing the number of on-site terminations required, making for quick, cost effective installation and maintenance as a result.

- Occupancy
- Absence
- Manual switching and / or dimming
- Daylight linking
- Off-set daylight linking
- Scene setting and recall
- Light level set back
- Emergency luminaire test
- 'Last Man Out' function
- 'All On' function



## ZoneLite can also accept up to 3 global switch commands:

**Emergency Test** - Test all emergency fitting.

**Last Man Out** - Turn all connected luminaires off.

**All Lights On** - Turn all connected luminaires on.



## ZoneLite Control Module - Type T

- Use for teaching spaces, teaching spaces with adjoining cloakrooms, and meeting rooms.

| DESCRIPTION                        | PART NO.   | PRICE |
|------------------------------------|------------|-------|
| ZoneLite 4-way, 4 channel, Type T  | FZL04T1111 | P.O.A |
| ZoneLite 16-way, 4 channel, Type T | FZL16T4354 | P.O.A |
| ZoneLite 20-way, 4 channel, Type T | FZL20T5465 | P.O.A |



## ZoneLite Control Module - Type G

- Use for single, multiple, or open plan offices, meeting rooms and retail environments.

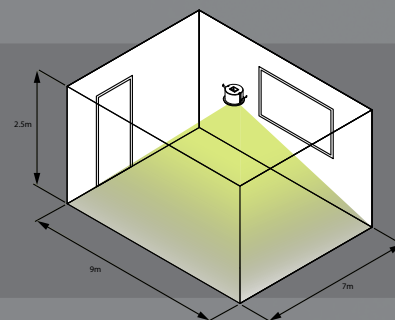
| DESCRIPTION                        | PART NO.   | PRICE |
|------------------------------------|------------|-------|
| ZoneLite 4-way, 4 channel, Type G  | FZL04G1111 | P.O.A |
| ZoneLite 16-way, 4 channel, Type G | FZL16G4354 | P.O.A |
| ZoneLite 20-way, 4 channel, Type G | FZL20G5465 | P.O.A |

# ZoneLite PIR Sensor Heads

ZoneLite PIR Sensor Heads need to be used in conjunction with a ZoneLite Control Module. A Sensor Lead is needed to connect the Sensor Head to a ZoneLite Control Module.

## PIR Detection Pattern

The PIR (Passive infrared) sensor detects moving bodies of heat that are different (warmer or cooler) to the background temperature. The detection pattern is broadly rectangular at 9m x 7m when fixed at a ceiling height of 2.5m (longest length of detection aligns with the fixing clips).



### ZoneLite PIR Absence/Occupancy Sensor Head

- ▶ Use (in conjunction with a ZoneLite Control Module) for occupancy or absence control.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite Remote Control (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Requires a ZoneLite Control Module and Sensor Lead to operate.

#### DESCRIPTION

ZoneLite PIR occupancy sensor head, white  
ZoneLite PIR occupancy sensor head, black

#### PART NO. PRICE

FZH/PIR £66.97  
FZH/PIR/BK £70.12



### ZoneLite PIR Absence/Occupancy & Light Level Sensor Head

- ▶ Use (in conjunction with a ZoneLite Control Module) for occupancy or absence with daylight dependency/linking. Once a light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite Remote Control (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Requires a ZoneLite Control Module and Sensor Lead to operate.

#### DESCRIPTION

ZoneLite PIR occupancy & light level sensor head, white  
ZoneLite PIR occupancy & light level sensor head, black

#### PART NO. PRICE

FZH/PIR/LS £80.89  
FZH/PIR/LS/BK £84.62



### ZoneLite PIR Auxiliary Sensor Head

- ▶ Use to increase the area of detection. Up to 5 Auxiliary Heads (per channel) can be used in conjunction with 1 'Primary' Head, effectively increasing detection range 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with ZoneLite PIR or ZoneLite Microwave Sensors.
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Requires a ZoneLite 'Primary' Sensor Head, ZoneLite Control Module, and Sensor Lead to operate.

#### DESCRIPTION

ZoneLite PIR auxiliary sensor head, white  
ZoneLite PIR auxiliary sensor head, black

#### PART NO. PRICE

FZH/PIR/AUX £64.59  
FZH/PIR/AUX/BK £67.68



# ZoneLite Tamper Resistant PIR Sensor Heads

Use in installations where resilience to unsolicited attempts to remove or tamper is paramount; prisons, secure units etc. It can be mounted directly to the ceiling, or a standard conduit box. It is secured with 2 suitable security screws (not supplied).



## Tamper Resistant PIR Absence/Occupancy Sensor Head

- ▶ Use (in conjunction with appropriate ZoneLite Control Module) for occupancy or absence.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite Remote Control (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Requires a ZoneLite Control Module and Sensor Lead to operate.

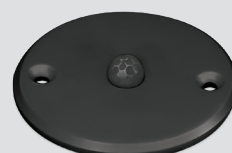
| DESCRIPTION                                                | PART NO.     | PRICE   |
|------------------------------------------------------------|--------------|---------|
| ZoneLite tamper-resistant PIR occupancy sensor head, white | FZH/PIR/S    | £98.99  |
| ZoneLite tamper-resistant PIR occupancy sensor head, black | FZH/PIR/S/BK | £102.14 |



## Tamper Resistant PIR Absence/Occupancy & Light Level Sensor Head

- ▶ Use (in conjunction with appropriate ZoneLite Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite Remote Control (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Requires a ZoneLite Control Module and Sensor Lead to operate

| DESCRIPTION                                                              | PART NO.        | PRICE   |
|--------------------------------------------------------------------------|-----------------|---------|
| ZoneLite tamper-resistant PIR occupancy & light level sensor head, white | FZH/PIR/LS/S    | £116.97 |
| ZoneLite tamper-resistant PIR occupancy & light level sensor head, black | FZH/PIR/LS/S/BK | £120.70 |



## Tamper Resistant Auxiliary PIR Sensor Head

- ▶ Use to increase the area of detection. Up to 5 Auxiliary Heads can be used in conjunction with 1 'Primary' Head, effectively increasing detection range by 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with PIR or Microwave Sensors (excl. 230V version)
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Requires a 'Primary' Sensor Head, Control Module and Sensor Lead to operate.

| DESCRIPTION                                       | PART NO.         | PRICE  |
|---------------------------------------------------|------------------|--------|
| Tamper-resistant auxiliary PIR sensor head, white | FZH/PIR/AUX/S    | £95.42 |
| Tamper-resistant auxiliary PIR sensor head, black | FZH/PIR/AUX/S/BK | £98.51 |

# ZoneLite IP66 PIR Sensor Heads

For use in external installations where protection from moisture is needed.



## IP66 PIR Absence/Occupancy Sensor Head

- ▶ Use (in conjunction with appropriate ZoneLite Control Module) for occupancy or absence.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite Remote Control (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Supplied complete with factory connected 5 metre Sensor Lead.
- ▶ Requires a ZoneLite Control Module to operate.

### DESCRIPTION

### PART NO.

### PRICE

IP66 occupancy sensor head, white

FZH/PIR/IP66/F

£126.14

IP66 occupancy sensor head, black

FZH/PIR/IP66/F/BK

£129.29



## IP66 PIR Absence/Occupancy & Light Level Sensor Head

- ▶ Use (in conjunction with appropriate ZoneLite Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite Remote Control (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Supplied complete with factory connected 5 metre Sensor Lead.
- ▶ Requires a ZoneLite Control Module to operate.

### DESCRIPTION

### PART NO.

### PRICE

IP66 occupancy + light level sensing head, white

FZH/PIR/LS/IP66/F

£138.29

IP66 occupancy + light level sensing head, black

FZH/PIR/LS/IP66/F/BK

£142.02



## IP66 Auxiliary PIR Sensor Head

- ▶ Use to increase the area of detection. Up to 5 Auxiliary Heads can be used in conjunction with 1 'Primary' Head, effectively increasing detection range by 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with PIR or Microwave Sensors (excl. 230V version)
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Supplied complete with factory connected 5 metre Sensor Lead.

### DESCRIPTION

### PART NO.

### PRICE

IP66 auxiliary sensor head, white

FZH/PIR/AUX/IP66/F

£122.54

IP66 auxiliary sensor head, black

FZH/PIR/AUX/IP66/F/BK

£125.63

\*ZoneLite Control Modules are IP2X and must be sited in a suitable location.

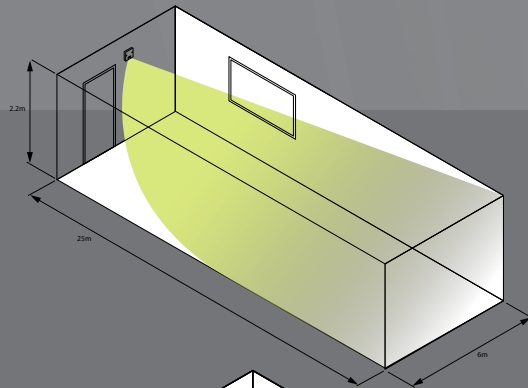
# ZoneLite Microwave Sensor Heads

ZoneLite Microwave Sensor Heads need to be used in conjunction with a ZoneLite Control Module. A Sensor Lead is required to connect the Sensor Head to a ZoneLite Control Module.

The ZoneLite Microwave sensor emits low powered signals which are reflected back off walls and other objects. A change of condition eg. someone entering the room changes the reflected signal, and the sensor detects this as presence. flex7 ZoneLite Microwave Sensors are available as a wall-mounted, or ceiling-mounted option.

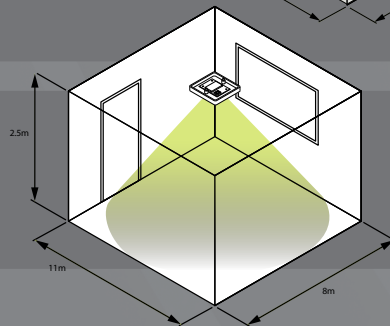
## Wall-mounted Microwave detection pattern

The detection pattern is broadly rectangular at 25m x 6m when fixed at a height of 2.2m.



## Ceiling-mounted Microwave detection pattern

The detection pattern is elliptical at 8m x 11m when fixed at a ceiling height of 2.5m.



## ZoneLite Microwave Absence/Occupancy & Light Level Sensor Head

- ▶ Use (in conjunction with a ZoneLite Control Module) for occupancy or absence with daylight dependency/linking. Once a target level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the ZoneLite (FZL/RC) or User (FRC/USER) Remote Control. An LED provides indication of operation.
- ▶ Requires a ZoneLite Control Module and Sensor Lead to operate.

| DESCRIPTION                                                 | PART NO. | PRICE  |
|-------------------------------------------------------------|----------|--------|
| ZoneLite microwave occupancy + light level, ceiling-mounted | FZH/M    | £91.52 |
| ZoneLite microwave occupancy + light level, wall-mounted    | FZH/M/W  | £85.70 |



## ZoneLite Setup Remote Control

- ▶ Use to change timeout settings, light levels and other operational modes during commissioning.
- ▶ The ZoneLite Setup Remote Control can adjust the following parameters (depending on configuration):
  - ▶ Dimming control (manual/daylight linking and daylight dependency).
  - ▶ Detection type (occupancy/absence)
  - ▶ Sensitivity settings
  - ▶ Timeout setting
  - ▶ Dimming load type (DSI or DALI)
  - ▶ Offset dimming illumination levels
  - ▶ Configuration setting
  - ▶ Set back illumination levels.
- ▶ Note: Factory default for Sensor timeout is 20 mins.

| DESCRIPTION                   | PART NO. | PRICE  |
|-------------------------------|----------|--------|
| ZoneLite Setup Remote Control | FZL/RC   | £68.05 |

flex7 plug-in Switches can also be used with Zonelite Control Modules

## Scene Setting Plates

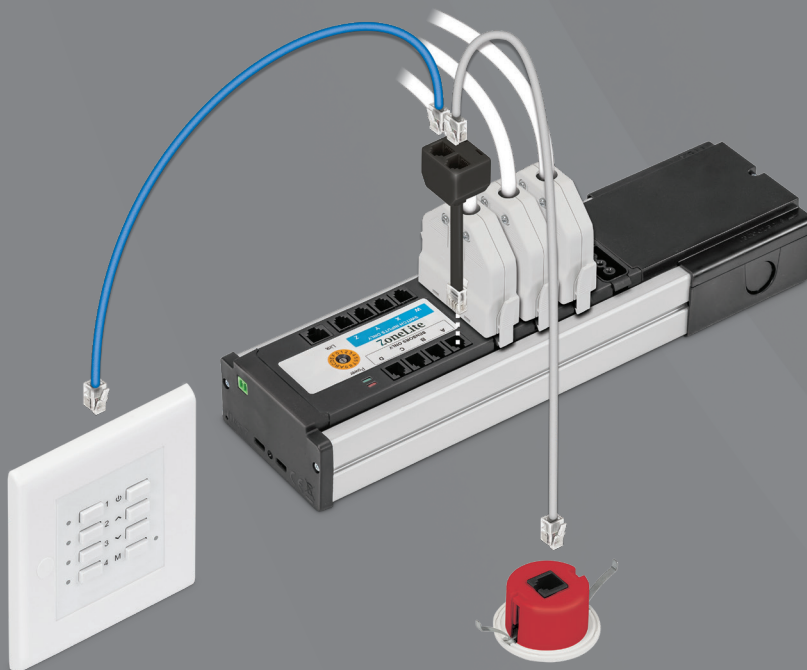
Programme up to 4 scenes, and instantly recall them with the press of a button. Scenes can be further adjusted while in use if needed, by dimming up/down individual channels.

Scene Setting Plates can be supplied with a decorative fascia, or will fit into any manufacturer's single gang 50mm x 50mm Euro Module faceplate.

Multiple Scene Setting Plates can be daisy chained to a single ZoneLite controller. They can also be used with flex7 PIR Sensor Heads if absence or occupancy control is required. In line with the rest of the flex7 lighting connection and control range, the Scene Setting Plate utilises simple plug-in connection, using a standard RJ12 connection.



- Recalls up to 4 independent light scenes.
- Switch on/off and brighten/dim up to 4 separate groups of luminaires.
- Fast and simple plug-in installation.
- Available in black or white to suit your decor.
- Clips into any manufacturer's 50mm x 50mm Euro Module faceplate.







## White Scene Set Plate Modules

- ▶ Use if you wish to source your own decorative fascia.
- ▶ Clips into any 50mm x 50mm Euromod style decorative fascia.
- ▶ Must be used in conjunction with a ZoneLite Control Module.
- ▶ A Switch Drop Lead is needed to connect the Scene Set Plate to a ZoneLite Control Module.

### DESCRIPTION

Scene set plate module only, white

### PART NO.

FSS04/M/W

### PRICE

£249.01



## Black Scene Set Plate Modules

- ▶ Use if you wish to source your own decorative fascia.
- ▶ Clips into any 50mm x 50mm Euromod style decorative fascia.
- ▶ Must be used in conjunction with a ZoneLite Control Module.
- ▶ A Switch Drop Lead is needed to connect the Scene Set Plate to a ZoneLite Control Module.

### DESCRIPTION

Scene set plate module only, black

### PART NO.

FSS04/M/B

### PRICE

£249.01



## White Scene Set Plate Modules + Decorative Fascia

- ▶ Scene Set Plate module complete with white decorative fascia.
- ▶ Must be used in conjunction with a ZoneLite Control Module.
- ▶ A Switch Drop Lead is needed to connect the Scene Set Plate to a ZoneLite Control Module.

### DESCRIPTION

Scene set plate, white module, with white decorative fascia

### PART NO.

FSS04/K/W/WP

### PRICE

£251.95



## Black Scene Set Plate Modules + Decorative Fascia

- ▶ Scene Set Plate module complete with satin steel decorative fascia.
- ▶ Must be used in conjunction with a ZoneLite Control Module.
- ▶ A Switch Drop Lead is needed to connect the Scene Set Plate to a ZoneLite Control Module.

### DESCRIPTION

Scene set plate, black module, with satin steel decorative fascia

### PART NO.

FSS04/K/B/SS

### PRICE

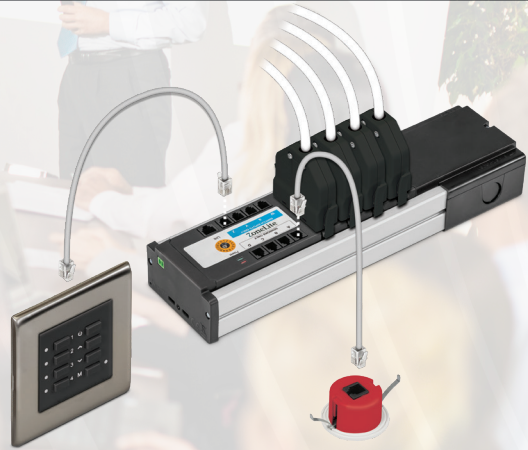
£267.29

# Conference Room Scene Setting Kit

Designed as a simple plug-together solution for conference rooms, this kit offers plug and play lighting connection and control that allows the user to set and recall 4 scenes.

There is no need for expensive commissioning; the wall mounted scene setting plate can easily be programmed by the end user.

- Full plug and play connection for rapid, simple installation.
- 4 scenes can be set and recalled by the user.
- Integrated emergency light test facility.
- Occupancy or absence control to automatically switch lights off when the meeting room is vacant.
- Switch or dim luminaires across 4 channels.
- Switch Drop Leads operate at protected extra low voltage, which means they do not require any extra protection from an RCD, or enclosing in an earthed metallic covering, as is often the requirement for mains switch drops.



## Conference Room Scene Set Kit

- ▶ Use for Scene Setting Applications in conference/meeting rooms or similar.
- ▶ Additional Luminaire and Double Extender Leads will be required.

| DESCRIPTION                                                                         |                                                                      | PART NO.   | PRICE |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------|-------|
| Conference room scene set kit                                                       |                                                                      | FZS04/K/01 | P.O.A |
| KIT CONTENTS                                                                        |                                                                      |            |       |
|   | 1 x ZoneLite 4-way, 4 channel Type G (FZL04G1111)                    |            |       |
|  | 4 x 7-pole Black Plugs (FP7/B)                                       |            |       |
|  | 1 x Scene Setting Plate, black with satin steel frame (FSS04/K/B/SS) |            |       |
|  | 1 x ZoneLite PIR sensor Head (FZH/PIR)                               |            |       |
|   | 2 x Sensor Lead, 15m (FSL15)                                         |            |       |
|  | 1 x 'Y' Adaptor (FSY/A)                                              |            |       |
|  | 1 x ZoneLite Setup Remote Control (FZL/RC)                           |            |       |



## 3-7 Pole Plug-in Ceiling Rose

Prota is the world's first 7-pole 'decorative' plug-in ceiling rose. Incorporating the trusted flex7 plug and socket interface, Prota is ideal for surface installations where final connection to the luminaire has to be aesthetically pleasing.

The socket fits onto any standard BESA box. Suitable for standard, dimmable, or specialist lighting applications. The plug latches into place with a satisfying 'click' and the decorative cover, secured with a simple quarter twist, provides the finishing touch.

- Available in black, white, and red options.
- Available in 3-7 pole options (incl. earth).
- Suitable for all lighting applications; (simple on/off, dimmable or specialised.)
- Large capacity terminals; (easily accept 5 x 1.50mm<sup>2</sup> conductors.)
- Suitable for on-load connection/disconnection of luminaires.
- Easy to remove cover.
- 100% tested at point of manufacture.
- Designed and manufactured in the UK.

### Easily accessible side-facing terminals:

Side-facing terminals provide easy access for test equipment probes. Simply remove the socket cover to access. There is no need to pull the socket away from the BESA box, so no need to disturb the fixed wiring.



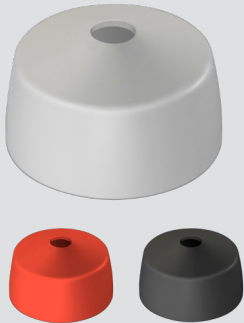
### Socket sits completely flush to BESA box:

There is no back projection of the socket into the BESA box, which means wiring space is maximised. This reduces the risk of trapping/stressing conductors as the socket is secured.



# Cover & Sockets

Prota plugs are not available unwired, but we do offer an extensive range of Luminaire Leads.



## Prota Decorative Cover

- ▶ The Decorative Cover fits neatly over the plug and socket with a simple quarter-twist action. This ensures the cover remains securely in place, but is easy to remove when required.

| DESCRIPTION                         | PART NO. | PRICE            |
|-------------------------------------|----------|------------------|
| Decorative Cover, white (Box of 10) | PDC/W    | <b>£1.86 EA.</b> |
| Decorative Cover, red (Box of 10)   | PDC/R    | <b>£1.86 EA.</b> |
| Decorative Cover, black (Box of 10) | PDC/B    | <b>£1.86 EA.</b> |



## Prota Sockets

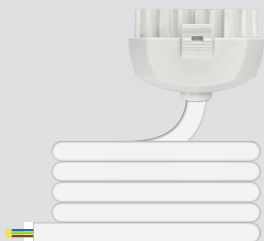
- ▶ Prota sockets are supplied with captivated M4 fixing screws. They mount directly to any standard BESA box. The socket sits completely flush against the conduit box, with no back projection into it. This maximises wiring space.
- ▶ Side accessible terminals make testing and fault finding post installation easy and trouble-free. Terminals easily accept 5 x 1.50mm<sup>2</sup> conductors.

| DESCRIPTION                      | PART NO. | PRICE             |
|----------------------------------|----------|-------------------|
| 3-Pole Socket, white (Box of 10) | PS03/W   | <b>£5.66 EA.</b>  |
| 4-Pole Socket, white (Box of 10) | PS04/W   | <b>£6.42 EA.</b>  |
| 5-Pole Socket, white (Box of 10) | PS05/W   | <b>£7.95 EA.</b>  |
| 6-Pole Socket, white (Box of 10) | PS06/W   | <b>£9.22 EA.</b>  |
| 7-Pole Socket, white (Box of 10) | PS07/W   | <b>£10.61 EA.</b> |
| 3-Pole Socket, black (Box of 10) | PS03/B   | <b>£5.66 EA.</b>  |
| 4-Pole Socket, black (Box of 10) | PS04/B   | <b>£6.42 EA.</b>  |
| 5-Pole Socket, black (Box of 10) | PS05/B   | <b>£7.95 EA.</b>  |
| 6-Pole Socket, black (Box of 10) | PS06/B   | <b>£9.22 EA.</b>  |
| 7-Pole Socket, black (Box of 10) | PS07/B   | <b>£10.61 EA.</b> |



# Prota Luminaire Leads

We offer an extensive range of Luminaire Leads which minimise installation time. All variants are available in Low Smoke Halogen Free (LSHF) cable, in accordance with BS EN 50525-3-11 and CPR rated to category Cca, so you can be assured that they'll meet required safety standards for public and commercial buildings. White cable is available in all variants, and black cable is available in 1.00mm<sup>2</sup> LSHF.

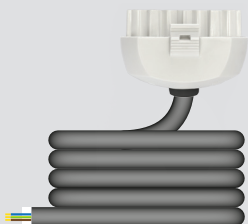


## Prota Standard Luminaire Leads, White

- ▶ 3-core luminaire lead for use with standard (on/off) luminaires. Supplied with white plug.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:

PS03/W ✓ PS04/W ✓ PS05/W ✓ PS06/W ✓ PS07/W ✓

| DESCRIPTION                 | LSHF CABLE    | PRICE  |
|-----------------------------|---------------|--------|
| 0.75mm white cable, 2 metre | PL375LSHF2/W  | £10.50 |
| 0.75mm white cable, 3 metre | PL375LSHF3/W  | £12.09 |
| 0.75mm white cable, 5 metre | PL375LSHF5/W  | £15.91 |
| 0.75mm white cable, 7 metre | PL375LSHF7/W  | £19.33 |
| 1.00mm white cable, 2 metre | PL3100LSHF2/W | £11.21 |
| 1.00mm white cable, 3 metre | PL3100LSHF3/W | £13.16 |
| 1.00mm white cable, 5 metre | PL3100LSHF5/W | £17.48 |
| 1.00mm white cable, 7 metre | PL3100LSHF7/W | £21.48 |
| 1.50mm white cable, 2 metre | PL3150LSHF2/W | £12.63 |
| 1.50mm white cable, 3 metre | PL3150LSHF3/W | £15.22 |
| 1.50mm white cable, 5 metre | PL3150LSHF5/W | £20.80 |
| 1.50mm white cable, 7 metre | PL3150LSHF7/W | £26.06 |



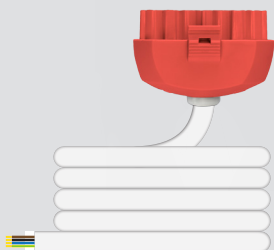
## Prota Standard Luminaire Leads, Black With White Plug

- ▶ 3-core luminaire lead for use with standard (on/off) luminaires. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:

PS03/B ✓ PS04/B ✓ PS05/B ✓ PS06/B ✓ PS07/B ✓

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 1.00mm black cable, 2 metre | PL3100LSHF2/WB | £12.67 |
| 1.00mm black cable, 3 metre | PL3100LSHF3/WB | £15.03 |
| 1.00mm black cable, 5 metre | PL3100LSHF5/WB | £20.01 |
| 1.00mm black cable, 7 metre | PL3100LSHF7/WB | £24.78 |



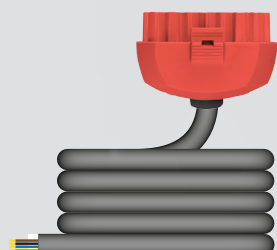


## Protal Emergency Luminaire Leads, White With Red Plug

- ▶ Use with maintained emergency luminaires.
- ▶ 4-core luminaire lead for use with maintained emergency luminaires. Supplied with red plug and white lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:
 

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/W ✗ | PS04/W ✓ | PS05/W ✗ | PS06/W ✓ | PS07/W ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE    | PRICE  |
|-----------------------------|---------------|--------|
| 0.75mm white cable, 2 metre | PL475LSHF2/R  | £12.45 |
| 0.75mm white cable, 3 metre | PL475LSHF3/R  | £14.63 |
| 0.75mm white cable, 5 metre | PL475LSHF5/R  | £19.26 |
| 0.75mm white cable, 7 metre | PL475LSHF7/R  | £23.66 |
| 1.00mm white cable, 2 metre | PL4100LSHF2/R | £13.63 |
| 1.00mm white cable, 3 metre | PL4100LSHF3/R | £16.36 |
| 1.00mm white cable, 5 metre | PL4100LSHF5/R | £22.08 |
| 1.00mm white cable, 7 metre | PL4100LSHF7/R | £27.57 |
| 1.50mm white cable, 2 metre | PL4150LSHF2/R | £16.03 |
| 1.50mm white cable, 3 metre | PL4150LSHF3/R | £19.64 |
| 1.50mm white cable, 5 metre | PL4150LSHF5/R | £27.14 |
| 1.50mm white cable, 7 metre | PL4150LSHF7/R | £34.40 |

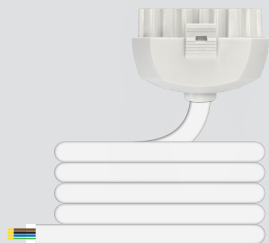


## Protal Emergency Luminaire Leads, Black With Red Plug

- ▶ Use with maintained emergency luminaires.
- ▶ 4-core luminaire lead for use with maintained emergency luminaires. Supplied with red plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:
 

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/B ✗ | PS04/B ✓ | PS05/B ✗ | PS06/B ✓ | PS07/B ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 1.00mm black cable, 2 metre | PL4100LSHF2/RB | £15.63 |
| 1.00mm black cable, 3 metre | PL4100LSHF3/RB | £19.00 |
| 1.00mm black cable, 5 metre | PL4100LSHF5/RB | £26.02 |
| 1.00mm black cable, 7 metre | PL4100LSHF7/RB | £32.80 |

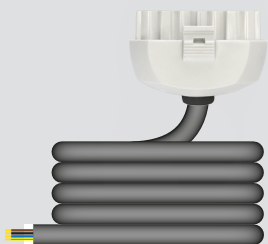


## Protal Emergency Luminaire Leads, White

- ▶ Use with maintained emergency luminaires.
- ▶ 4-core luminaire lead for use with maintained emergency luminaires. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:
 

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/W ✗ | PS04/W ✓ | PS05/W ✗ | PS06/W ✓ | PS07/W ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE    | PRICE  |
|-----------------------------|---------------|--------|
| 0.75mm white cable, 2 metre | PL475LSHF2/W  | £12.45 |
| 0.75mm white cable, 3 metre | PL475LSHF3/W  | £14.63 |
| 0.75mm white cable, 5 metre | PL475LSHF5/W  | £19.26 |
| 0.75mm white cable, 7 metre | PL475LSHF7/W  | £23.66 |
| 1.00mm white cable, 2 metre | PL4100LSHF2/W | £13.63 |
| 1.00mm white cable, 3 metre | PL4100LSHF3/W | £16.36 |
| 1.00mm white cable, 5 metre | PL4100LSHF5/W | £22.08 |
| 1.00mm white cable, 7 metre | PL4100LSHF7/W | £27.57 |
| 1.50mm white cable, 2 metre | PL4150LSHF2/W | £16.03 |
| 1.50mm white cable, 3 metre | PL4150LSHF3/W | £19.64 |
| 1.50mm white cable, 5 metre | PL4150LSHF5/W | £27.14 |
| 1.50mm white cable, 7 metre | PL4150LSHF7/W | £34.40 |



## Protal Emergency Luminaire Leads, Black With White Plug

- ▶ Use with maintained emergency luminaires.
- ▶ 4-core luminaire lead for use with maintained emergency luminaires. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:
 

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/B ✗ | PS04/B ✓ | PS05/B ✗ | PS06/B ✓ | PS07/B ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 1.00mm black cable, 2 metre | PL4100LSHF2/WB | £15.63 |
| 1.00mm black cable, 3 metre | PL4100LSHF3/WB | £19.00 |
| 1.00mm black cable, 5 metre | PL4100LSHF5/WB | £26.02 |
| 1.00mm black cable, 7 metre | PL4100LSHF7/WB | £32.80 |

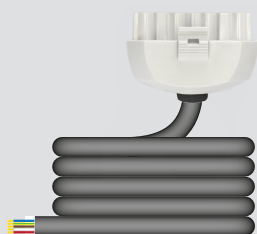


## Prota Dimmable Luminaire Leads, White

- ▶ 5-core luminaire lead for use with dimmable luminaires. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/W ✗ | PS04/W ✗ | PS05/W ✓ | PS06/W ✓ | PS07/W ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE    | PRICE  |
|-----------------------------|---------------|--------|
| 0.75mm white cable, 2 metre | PL575LSHF2/W  | £15.46 |
| 0.75mm white cable, 3 metre | PL575LSHF3/W  | £18.30 |
| 0.75mm white cable, 5 metre | PL575LSHF5/W  | £24.28 |
| 0.75mm white cable, 7 metre | PL575LSHF7/W  | £29.99 |
| 1.00mm white cable, 2 metre | PL5100LSHF2/W | £16.53 |
| 1.00mm white cable, 3 metre | PL5100LSHF3/W | £19.70 |
| 1.00mm white cable, 5 metre | PL5100LSHF5/W | £26.50 |
| 1.00mm white cable, 7 metre | PL5100LSHF7/W | £32.99 |

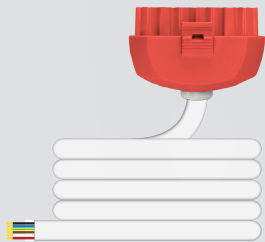


## Prota Dimmable Luminaire Leads, Black With White Plug

- ▶ 5-core luminaire lead for use with dimmable luminaires. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/B ✗ | PS04/B ✗ | PS05/B ✓ | PS06/B ✓ | PS07/B ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 1.00mm black cable, 2 metre | PL5100LSHF2/WB | £19.53 |
| 1.00mm black cable, 3 metre | PL5100LSHF3/WB | £23.79 |
| 1.00mm black cable, 5 metre | PL5100LSHF5/WB | £32.68 |
| 1.00mm black cable, 7 metre | PL5100LSHF7/WB | £41.28 |

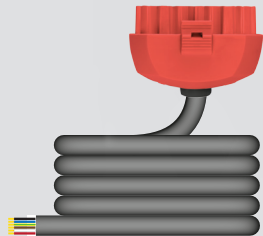


## Prota Dimmable Maintained Emergency Luminaire Leads, White With Red Plug

- ▶ 6-core luminaire lead for use with dimmable, maintained emergency luminaires. Supplied with red plug and white lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:
 

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| PS03/W | PS04/W | PS05/W | PS06/W | PS07/W |
| ✗      | ✗      | ✗      | ✓      | ✓      |

| DESCRIPTION                 | LSHF CABLE    | PRICE         |
|-----------------------------|---------------|---------------|
| 0.75mm white cable, 2 metre | PL675LSHF2/R  | <b>£19.25</b> |
| 0.75mm white cable, 3 metre | PL675LSHF3/R  | <b>£23.30</b> |
| 0.75mm white cable, 5 metre | PL675LSHF5/R  | <b>£31.93</b> |
| 0.75mm white cable, 7 metre | PL675LSHF7/R  | <b>£40.20</b> |
| 1.00mm white cable, 2 metre | PL6100LSHF2/R | <b>£20.14</b> |
| 1.00mm white cable, 3 metre | PL6100LSHF3/R | <b>£24.53</b> |
| 1.00mm white cable, 5 metre | PL6100LSHF5/R | <b>£33.73</b> |
| 1.00mm white cable, 7 metre | PL6100LSHF7/R | <b>£42.61</b> |

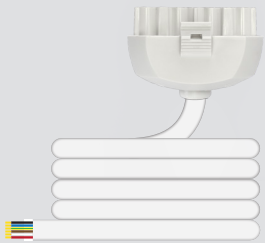


## Prota Dimmable Maintained Emergency Luminaire Leads, Black With Red Plug

- ▶ 6-core luminaire lead for use with dimmable, maintained emergency luminaires. Supplied with red plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:
 

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| PS03/B | PS04/B | PS05/B | PS06/B | PS07/B |
| ✗      | ✗      | ✗      | ✓      | ✓      |

| DESCRIPTION                 | LSHF CABLE     | PRICE         |
|-----------------------------|----------------|---------------|
| 1.00mm black cable, 2 metre | PL6100LSHF2/RB | <b>£24.50</b> |
| 1.00mm black cable, 3 metre | PL6100LSHF3/RB | <b>£30.52</b> |
| 1.00mm black cable, 5 metre | PL6100LSHF5/RB | <b>£43.04</b> |
| 1.00mm black cable, 7 metre | PL6100LSHF7/RB | <b>£55.19</b> |

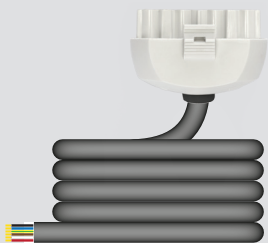


## Prota Dimmable Emergency Luminaire Leads, White

- ▶ 6-core luminaire lead for use with dimmable, maintained emergency luminaires. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:

PS03/W ✗ PS04/W ✗ PS05/W ✗ PS06/W ✓ PS07/W ✓

| DESCRIPTION                 | LSHF CABLE    | PRICE  |
|-----------------------------|---------------|--------|
| 0.75mm white cable, 2 metre | PL675LSHF2/W  | £19.25 |
| 0.75mm white cable, 3 metre | PL675LSHF3/W  | £23.31 |
| 0.75mm white cable, 5 metre | PL675LSHF5/W  | £31.93 |
| 0.75mm white cable, 7 metre | PL675LSHF7/W  | £40.20 |
| 1.00mm white cable, 2 metre | PL6100LSHF2/W | £20.14 |
| 1.00mm white cable, 3 metre | PL6100LSHF3/W | £24.53 |
| 1.00mm white cable, 5 metre | PL6100LSHF5/W | £33.73 |
| 1.00mm white cable, 7 metre | PL6100LSHF7/W | £46.21 |



## Prota Dimmable Emergency Luminaire Leads, Black With White Plug

- ▶ 6-core luminaire lead for use with dimmable, maintained emergency luminaires. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:

PS03/B ✗ PS04/B ✗ PS05/B ✗ PS06/B ✓ PS07/B ✓

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 1.00mm black cable, 2 metre | PL6100LSHF2/WB | £24.50 |
| 1.00mm black cable, 3 metre | PL6100LSHF3/WB | £30.52 |
| 1.00mm black cable, 5 metre | PL6100LSHF5/WB | £43.04 |
| 1.00mm black cable, 7 metre | PL6100LSHF7/WB | £55.19 |



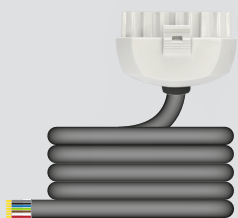


## Prota Luminaire Leads For Special Applications, White

- ▶ 7-core luminaire lead for use with bespoke luminaires eg. luminaires that have multiple switch lives. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:
 

|        |   |        |   |        |   |        |   |        |   |
|--------|---|--------|---|--------|---|--------|---|--------|---|
| PS03/W | ✗ | PS04/W | ✗ | PS05/W | ✗ | PS06/W | ✗ | PS07/W | ✓ |
|--------|---|--------|---|--------|---|--------|---|--------|---|

| DESCRIPTION                 | LSHF CABLE    | PRICE         |
|-----------------------------|---------------|---------------|
| 0.75mm white cable, 2 metre | PL775LSHF2/W  | <b>£20.64</b> |
| 0.75mm white cable, 3 metre | PL775LSHF3/W  | <b>£24.82</b> |
| 0.75mm white cable, 5 metre | PL775LSHF5/W  | <b>£33.64</b> |
| 0.75mm white cable, 7 metre | PL775LSHF7/W  | <b>£42.10</b> |
| 1.00mm white cable, 2 metre | PL7100LSHF2/W | <b>£22.68</b> |
| 1.00mm white cable, 3 metre | PL7100LSHF3/W | <b>£27.50</b> |
| 1.00mm white cable, 5 metre | PL7100LSHF5/W | <b>£37.60</b> |
| 1.00mm white cable, 7 metre | PL7100LSHF7/W | <b>£47.35</b> |

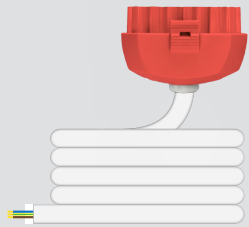


## Prota Luminaire Leads For Special Applications, Black With White Plug

- ▶ 7-core luminaire lead for use with bespoke luminaires eg. luminaires that have multiple switch lives. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:
 

|        |   |        |   |        |   |        |   |        |   |
|--------|---|--------|---|--------|---|--------|---|--------|---|
| PS03/B | ✗ | PS04/B | ✗ | PS05/B | ✗ | PS06/B | ✗ | PS07/B | ✓ |
|--------|---|--------|---|--------|---|--------|---|--------|---|

| DESCRIPTION                 | LSHF CABLE     | PRICE         |
|-----------------------------|----------------|---------------|
| 1.00mm black cable, 2 metre | PL7100LSHF2/WB | <b>£27.05</b> |
| 1.00mm black cable, 3 metre | PL7100LSHF3/WB | <b>£33.41</b> |
| 1.00mm black cable, 5 metre | PL7100LSHF5/WB | <b>£46.70</b> |
| 1.00mm black cable, 7 metre | PL7100LSHF7/WB | <b>£59.56</b> |



## Prota Non-Maintained Emergency Luminaire Leads, White With Red Plug

- ▶ 3-core luminaire lead for use with non-maintained, emergency luminaires. Supplied with red plug and white lead.
- ▶ Luminaire leads are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:

PS03/W ✗

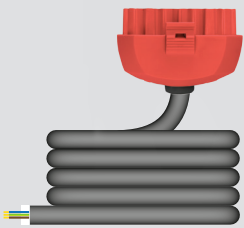
PS04/W ✓

PS05/W ✗

PS06/W ✓

PS07/W ✓

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 0.75mm white cable, 2 metre | PL375LSHF2/RE  | £11.45 |
| 0.75mm white cable, 3 metre | PL375LSHF3/RE  | £13.23 |
| 0.75mm white cable, 5 metre | PL375LSHF5/RE  | £17.11 |
| 0.75mm white cable, 7 metre | PL375LSHF7/RE  | £20.76 |
| 1.00mm white cable, 2 metre | PL3100LSHF2/RE | £12.17 |
| 1.00mm white cable, 3 metre | PL3100LSHF3/RE | £14.28 |
| 1.00mm white cable, 5 metre | PL3100LSHF5/RE | £18.79 |
| 1.00mm white cable, 7 metre | PL3100LSHF7/RE | £23.11 |
| 1.50mm white cable, 2 metre | PL3150LSHF2/RE | £13.77 |
| 1.50mm white cable, 3 metre | PL3150LSHF3/RE | £16.56 |
| 1.50mm white cable, 5 metre | PL3150LSHF5/RE | £22.35 |
| 1.50mm white cable, 7 metre | PL3150LSHF7/RE | £27.97 |



## Prota Non-Maintained Emergency Luminaire Leads, Black With Red Plug

- ▶ 3-core luminaire lead for use with non-maintained, emergency luminaires. Supplied with red plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatibility:

PS03/B ✗

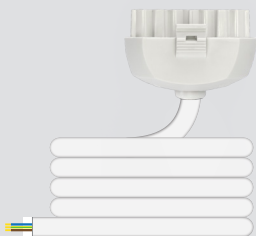
PS04/B ✓

PS05/B ✗

PS06/B ✓

PS07/B ✓

| DESCRIPTION                 | LSHF CABLE      | PRICE  |
|-----------------------------|-----------------|--------|
| 1.00mm black cable, 2 metre | PL3100LSHF2/RBE | £12.97 |
| 1.00mm black cable, 3 metre | PL3100LSHF3/RBE | £15.38 |
| 1.00mm black cable, 5 metre | PL3100LSHF5/RBE | £20.47 |
| 1.00mm black cable, 7 metre | PL3100LSHF7/RBE | £25.36 |



## Prota Permanent Supply Luminaire Leads, White

- ▶ 3-core luminaire lead for use where each luminaire has an integral PIR, and no external control device is required. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:

PS03/W ✗

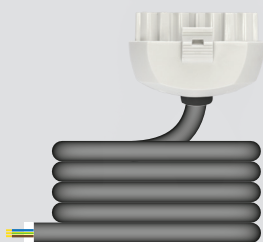
PS04/W ✗

PS05/W ✗

PS06/W ✗

PS07/W ✓

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 0.75mm white cable, 2 metre | PL375LSHF2/WP  | £13.21 |
| 0.75mm white cable, 3 metre | PL375LSHF3/WP  | £15.01 |
| 0.75mm white cable, 5 metre | PL375LSHF5/WP  | £18.88 |
| 0.75mm white cable, 7 metre | PL375LSHF7/WP  | £22.54 |
| 1.00mm white cable, 2 metre | PL3100LSHF2/WP | £13.92 |
| 1.00mm white cable, 3 metre | PL3100LSHF3/WP | £16.04 |
| 1.00mm white cable, 5 metre | PL3100LSHF5/WP | £20.56 |
| 1.00mm white cable, 7 metre | PL3100LSHF7/WP | £24.88 |
| 1.50mm white cable, 2 metre | PL3150LSHF2/WP | £15.52 |
| 1.50mm white cable, 3 metre | PL3150LSHF3/WP | £18.31 |
| 1.50mm white cable, 5 metre | PL3150LSHF5/WP | £24.14 |
| 1.50mm white cable, 7 metre | PL3150LSHF7/WP | £29.77 |



## Prota Permanent Supply Luminaire Leads, Black With White Plug

- ▶ 3-core luminaire lead for use where each luminaire has an integral PIR, and no external control device is required. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ Socket Compatability:

PS03/B ✗

PS04/B ✗

PS05/B ✗

PS06/B ✗

PS07/B ✓

| DESCRIPTION                 | LSHF CABLE      | PRICE  |
|-----------------------------|-----------------|--------|
| 1.00mm black cable, 2 metre | PL3100LSHF2/WBP | £14.76 |
| 1.00mm black cable, 3 metre | PL3100LSHF3/WBP | £17.17 |
| 1.00mm black cable, 5 metre | PL3100LSHF5/WBP | £22.26 |
| 1.00mm black cable, 7 metre | PL3100LSHF7/WBP | £27.15 |

# Prota DALI and DALI Maintained Emergency Luminaire Leads

Use with luminaires that are controlled solely by a DALI signal (or similar protocol) and as such do not require mains rated switched live.

Luminaire leads ending “D” derive their permanent supply separately to the emergency supply (non-emergency luminaires remain operational during an emergency test).

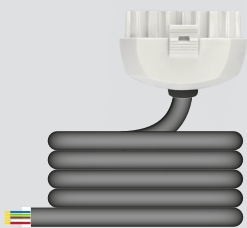
Luminaire leads ending “X” derive their permanent supply from the emergency supply (non-emergency luminaires turn off during an emergency test).



## Prota DALI Luminaire Leads, White

- ▶ Live on Pin 1
- ▶ 5-core luminaire lead for use with luminaire controlled by DALI (or similar) protocol. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.
- ▶ Socket Compatability: PS03/W ✗ PS04/W ✗ PS05/W ✗ PS06/W ✗ PS07/W ✓

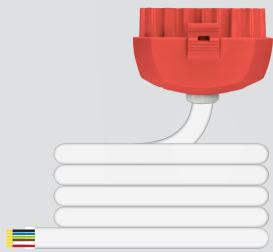
| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 0.75mm white cable, 2 metre | PL575LSHF2/WD  | £16.62 |
| 0.75mm white cable, 3 metre | PL575LSHF3/WD  | £19.66 |
| 0.75mm white cable, 5 metre | PL575LSHF5/WD  | £26.05 |
| 0.75mm white cable, 7 metre | PL575LSHF7/WD  | £32.20 |
| 1.00mm white cable, 2 metre | PL5100LSHF2/WD | £17.75 |
| 1.00mm white cable, 3 metre | PL5100LSHF3/WD | £21.19 |
| 1.00mm white cable, 5 metre | PL5100LSHF5/WD | £28.49 |
| 1.00mm white cable, 7 metre | PL5100LSHF7/WD | £35.41 |



## Prota DALI Luminaire Leads, Black With White Plug

- ▶ Live on Pin 1
- ▶ 5-core luminaire lead for use with luminaire controlled by DALI (or similar) protocol. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.
- ▶ Socket Compatability: PS03/B ✗ PS04/B ✗ PS05/B ✗ PS06/B ✗ PS07/B ✓

| DESCRIPTION                 | LSHF CABLE      | PRICE  |
|-----------------------------|-----------------|--------|
| 1.00mm black cable, 2 metre | PL5100LSHF2/WBD | £19.99 |
| 1.00mm black cable, 3 metre | PL5100LSHF3/WBD | £24.34 |
| 1.00mm black cable, 5 metre | PL5100LSHF5/WBD | £33.44 |
| 1.00mm black cable, 7 metre | PL5100LSHF7/WBD | £42.24 |

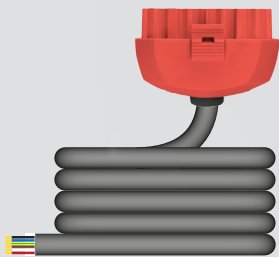


## Prota DALI + Maintained Emergency Luminaire Leads, White With Red Plug

- ▶ Live on Pin 1
- ▶ 6-core luminaire lead for use with maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with red plug and white lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.
- ▶ Socket Compatibility:
 

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| PS03/W | PS04/W | PS05/W | PS06/W | PS07/W |
| ✗      | ✗      | ✗      | ✗      | ✓      |

| DESCRIPTION                 | LSHF CABLE     | PRICE  |
|-----------------------------|----------------|--------|
| 0.75mm white cable, 2 metre | PL675LSHF2/RD  | £20.69 |
| 0.75mm white cable, 3 metre | PL675LSHF3/RD  | £25.09 |
| 0.75mm white cable, 5 metre | PL675LSHF5/RD  | £34.32 |
| 0.75mm white cable, 7 metre | PL675LSHF7/RD  | £43.22 |
| 1.00mm white cable, 2 metre | PL6100LSHF2/RD | £21.65 |
| 1.00mm white cable, 3 metre | PL6100LSHF3/RD | £26.37 |
| 1.00mm white cable, 5 metre | PL6100LSHF5/RD | £36.26 |
| 1.00mm white cable, 7 metre | PL6100LSHF7/RD | £45.81 |



## Prota DALI + Maintained Emergency Luminaire Leads, Black With Red Plug

- ▶ Live on Pin 1
- ▶ 6-core luminaire lead for use with maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with red plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires remain operational during emergency test.
- ▶ Socket Compatibility:
 

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| PS03/B | PS04/B | PS05/B | PS06/B | PS07/B |
| ✗      | ✗      | ✗      | ✗      | ✓      |

| DESCRIPTION                 | LSHF CABLE      | PRICE  |
|-----------------------------|-----------------|--------|
| 1.00mm black cable, 2 metre | PL6100LSHF2/RBD | £25.07 |
| 1.00mm black cable, 3 metre | PL6100LSHF3/RBD | £31.23 |
| 1.00mm black cable, 5 metre | PL6100LSHF5/RBD | £44.04 |
| 1.00mm black cable, 7 metre | PL6100LSHF7/RBD | £56.47 |



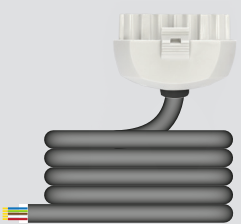


## Protal DALI + Maintained Emergency Luminaire Leads, White

- ▶ Live on Pin 2
- ▶ 5-core luminaire lead for use with luminaire or maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with white plug and lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Socket Compatibility:

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/W ✗ | PS04/W ✗ | PS05/W ✗ | PS06/W ✓ | PS07/W ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE     | PRICE         |
|-----------------------------|----------------|---------------|
| 0.75mm white cable, 2 metre | PL575LSHF2/WX  | <b>£16.64</b> |
| 0.75mm white cable, 3 metre | PL575LSHF3/WX  | <b>£19.67</b> |
| 0.75mm white cable, 5 metre | PL575LSHF5/WX  | <b>£26.10</b> |
| 0.75mm white cable, 7 metre | PL575LSHF7/WX  | <b>£32.24</b> |
| 1.00mm white cable, 2 metre | PL5100LSHF2/WX | <b>£17.77</b> |
| 1.00mm white cable, 3 metre | PL5100LSHF3/WX | <b>£21.21</b> |
| 1.00mm white cable, 5 metre | PL5100LSHF5/WX | <b>£28.49</b> |
| 1.00mm white cable, 7 metre | PL5100LSHF7/WX | <b>£35.46</b> |

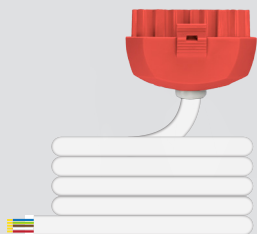


## Protal DALI + Maintained Emergency Luminaire Leads, Black With White Plug

- ▶ Live on Pin 2
- ▶ 5-core luminaire lead for use with luminaire or maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with white plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Socket Compatibility:

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| PS03/B ✗ | PS04/B ✗ | PS05/B ✗ | PS06/B ✓ | PS07/B ✓ |
|----------|----------|----------|----------|----------|

| DESCRIPTION                 | LSHF CABLE      | PRICE         |
|-----------------------------|-----------------|---------------|
| 1.00mm black cable, 2 metre | PL5100LSHF2/WBX | <b>£19.99</b> |
| 1.00mm black cable, 3 metre | PL5100LSHF3/WBX | <b>£24.34</b> |
| 1.00mm black cable, 5 metre | PL5100LSHF5/WBX | <b>£33.44</b> |
| 1.00mm black cable, 7 metre | PL5100LSHF7/WBX | <b>£42.24</b> |

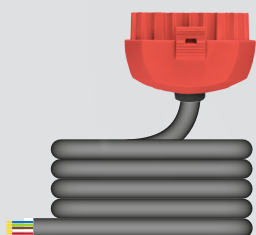


## Prota DALI + Maintained Emergency Luminaire Leads, White With Red Plug

- ▶ Live on Pin 2
- ▶ 5-core luminaire lead for use with luminaire or maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with red plug and white lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Socket Compatability:
 

|        |   |        |   |        |   |        |   |        |   |
|--------|---|--------|---|--------|---|--------|---|--------|---|
| PS03/W | ✗ | PS04/W | ✗ | PS05/W | ✗ | PS06/W | ✓ | PS07/W | ✓ |
|--------|---|--------|---|--------|---|--------|---|--------|---|

| DESCRIPTION                 | LSHF CABLE     | PRICE         |
|-----------------------------|----------------|---------------|
| 0.75mm white cable, 2 metre | PL575LSHF2/RX  | <b>£16.64</b> |
| 0.75mm white cable, 3 metre | PL575LSHF3/RX  | <b>£19.67</b> |
| 0.75mm white cable, 5 metre | PL575LSHF5/RX  | <b>£26.10</b> |
| 0.75mm white cable, 7 metre | PL575LSHF7/RX  | <b>£32.24</b> |
| 1.00mm white cable, 2 metre | PL5100LSHF2/RX | <b>£17.77</b> |
| 1.00mm white cable, 3 metre | PL5100LSHF3/RX | <b>£21.21</b> |
| 1.00mm white cable, 5 metre | PL5100LSHF5/RX | <b>£28.49</b> |
| 1.00mm white cable, 7 metre | PL5100LSHF7/RX | <b>£35.46</b> |



## Prota DALI + Maintained Emergency Luminaire Leads, Black With Red Plug

- ▶ Live on Pin 2
- ▶ 5-core luminaire lead for use with luminaire or maintained emergency luminaire controlled by DALI (or similar) protocol. Supplied with red plug and black lead.
- ▶ All luminaire leads in range are 100% tested, and come with ferruled conductors at free end.
- ▶ This luminaire lead has no facility for a switched live.
- ▶ Non-emergency luminaires turn off during emergency test.
- ▶ Socket Compatability:
 

|        |   |        |   |        |   |        |   |        |   |
|--------|---|--------|---|--------|---|--------|---|--------|---|
| PS03/B | ✗ | PS04/B | ✗ | PS05/B | ✗ | PS06/B | ✓ | PS07/B | ✓ |
|--------|---|--------|---|--------|---|--------|---|--------|---|

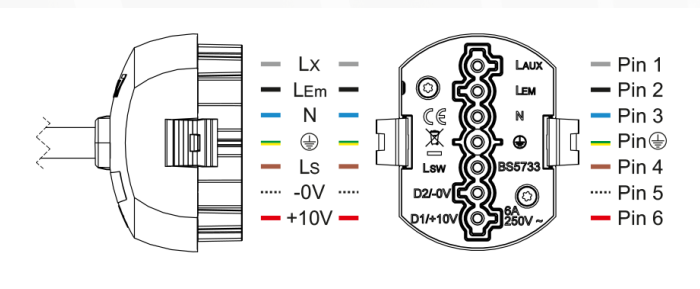
| DESCRIPTION                 | LSHF CABLE      | PRICE         |
|-----------------------------|-----------------|---------------|
| 1.00mm black cable, 2 metre | PL5100LSHF2/RBX | <b>£19.99</b> |
| 1.00mm black cable, 3 metre | PL5100LSHF3/RBX | <b>£24.34</b> |
| 1.00mm black cable, 5 metre | PL5100LSHF5/RBX | <b>£33.44</b> |
| 1.00mm black cable, 7 metre | PL5100LSHF7/RBX | <b>£42.24</b> |

# Technical Information

## PLUG PIN DESIGNATION FOR PROTA LUMINAIRE LEADS

| Luminaire Leads |                | Number of Cores in Plug |   |   |   |   |
|-----------------|----------------|-------------------------|---|---|---|---|
|                 |                | 3                       | 4 | 5 | 6 | 7 |
| Lx              | Grey           | Pin 1                   |   |   |   |   |
| LEm             | Black          | Pin 2                   |   |   |   |   |
| N               | Blue           | Pin 3                   |   |   |   |   |
| ⊕               | Green / Yellow | Pin ⊕                   |   |   |   |   |
| Ls              | Brown          | Pin 4                   |   |   |   |   |
| -0V             | White          | Pin 5                   |   |   |   |   |
| +10V            | Red            | Pin 6                   |   |   |   |   |

Whilst we always endeavour to supply the core colours shown, on occasion we may need to supply an alternative.



## PLUG PIN DESIGNATION FOR SPECIFIC APPLICATION PROTA LUMINAIRE LEADS

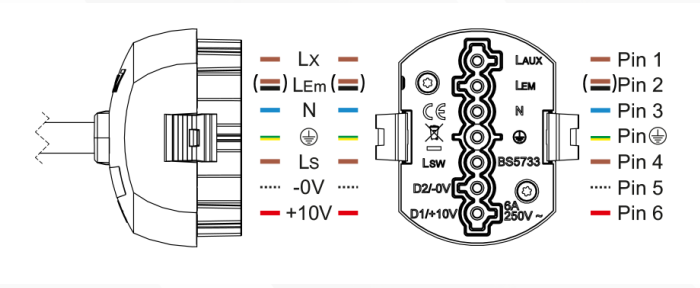
| DALI Luminaire Leads (type D) |                | Number of Cores in Plug |   |   |   |   |
|-------------------------------|----------------|-------------------------|---|---|---|---|
|                               |                | 3                       | 4 | 5 | 6 | 7 |
| Lx                            | Brown          | Pin 1                   |   |   |   |   |
| LEm                           | Black          | Pin 2                   |   |   |   |   |
| N                             | Blue           | Pin 3                   |   |   |   |   |
| ⊕                             | Green / Yellow | Pin ⊕                   |   |   |   |   |
| Ls                            |                | Pin 4                   |   |   |   |   |
| -0V                           | White          | Pin 5                   |   |   |   |   |
| +10V                          | Red            | Pin 6                   |   |   |   |   |

| DALI Luminaire Leads (type X) |                | Number of Cores in Plug |   |   |   |   |
|-------------------------------|----------------|-------------------------|---|---|---|---|
|                               |                | 3                       | 4 | 5 | 6 | 7 |
| Lx                            |                | Pin 1                   |   |   |   |   |
| LEm                           | Brown          | Pin 2                   |   |   |   |   |
| N                             | Blue           | Pin 3                   |   |   |   |   |
| ⊕                             | Green / Yellow | Pin ⊕                   |   |   |   |   |
| Ls                            |                | Pin 4                   |   |   |   |   |
| -0V                           | White          | Pin 5                   |   |   |   |   |
| +10V                          | Red            | Pin 6                   |   |   |   |   |

| Emergency Luminaire Leads (type E)<br>(For non-maintained emergency fitting) |                | Number of Cores in Plug |   |   |   |   |
|------------------------------------------------------------------------------|----------------|-------------------------|---|---|---|---|
|                                                                              |                | 3                       | 4 | 5 | 6 | 7 |
| Lx                                                                           |                | Pin 1                   |   |   |   |   |
| LEm                                                                          | Brown          | Pin 2                   |   |   |   |   |
| N                                                                            | Blue           | Pin 3                   |   |   |   |   |
| ⊕                                                                            | Green / Yellow | Pin ⊕                   |   |   |   |   |
| Ls                                                                           |                | Pin 4                   |   |   |   |   |
| -0V                                                                          |                | Pin 5                   |   |   |   |   |
| +10V                                                                         |                | Pin 6                   |   |   |   |   |

| Power Only Luminaire Leads (type P)<br>(For fittings with integral control) |                | Number of Cores in Plug |   |   |   |   |
|-----------------------------------------------------------------------------|----------------|-------------------------|---|---|---|---|
|                                                                             |                | 3                       | 4 | 5 | 6 | 7 |
| Lx                                                                          | Brown          | Pin 1                   |   |   |   |   |
| LEm                                                                         | Black          | Pin 2                   |   |   |   |   |
| N                                                                           | Blue           | Pin 3                   |   |   |   |   |
| ⊕                                                                           | Green / Yellow | Pin ⊕                   |   |   |   |   |
| Ls                                                                          |                | Pin 4                   |   |   |   |   |
| -0V                                                                         |                | Pin 5                   |   |   |   |   |
| +10V                                                                        |                | Pin 6                   |   |   |   |   |

Whilst we always endeavour to supply the core colours shown, on occasion we may need to supply an alternative.

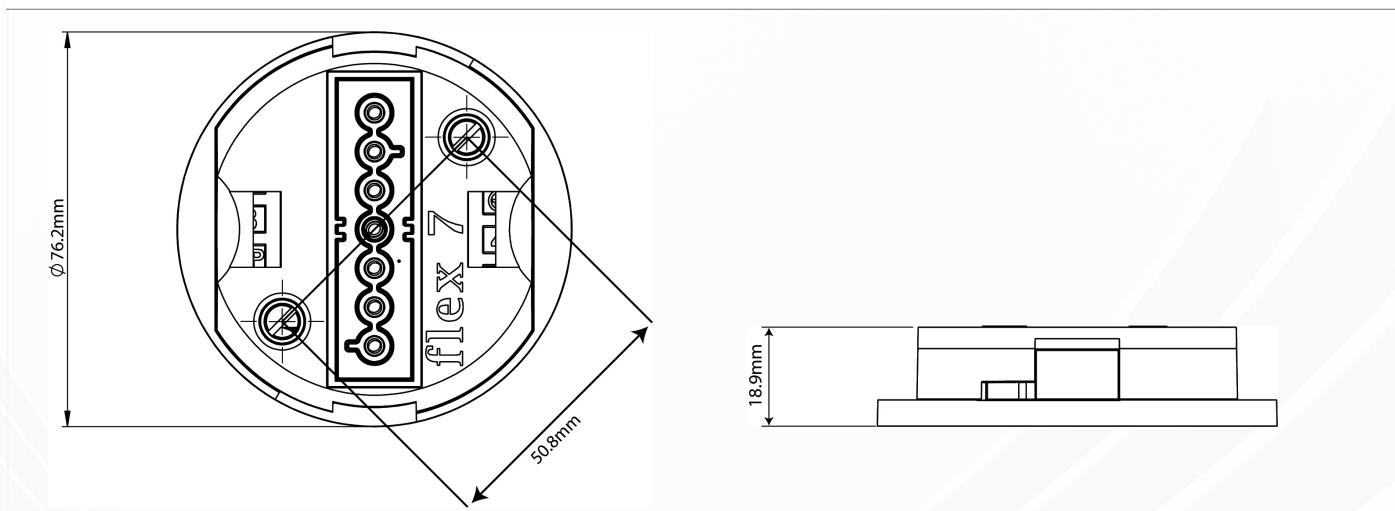


Dependant on lead type, Pin 2 (LEm) may use either a Brown or a Black conductor. Refer to specific configuration (to the left) for further detail.

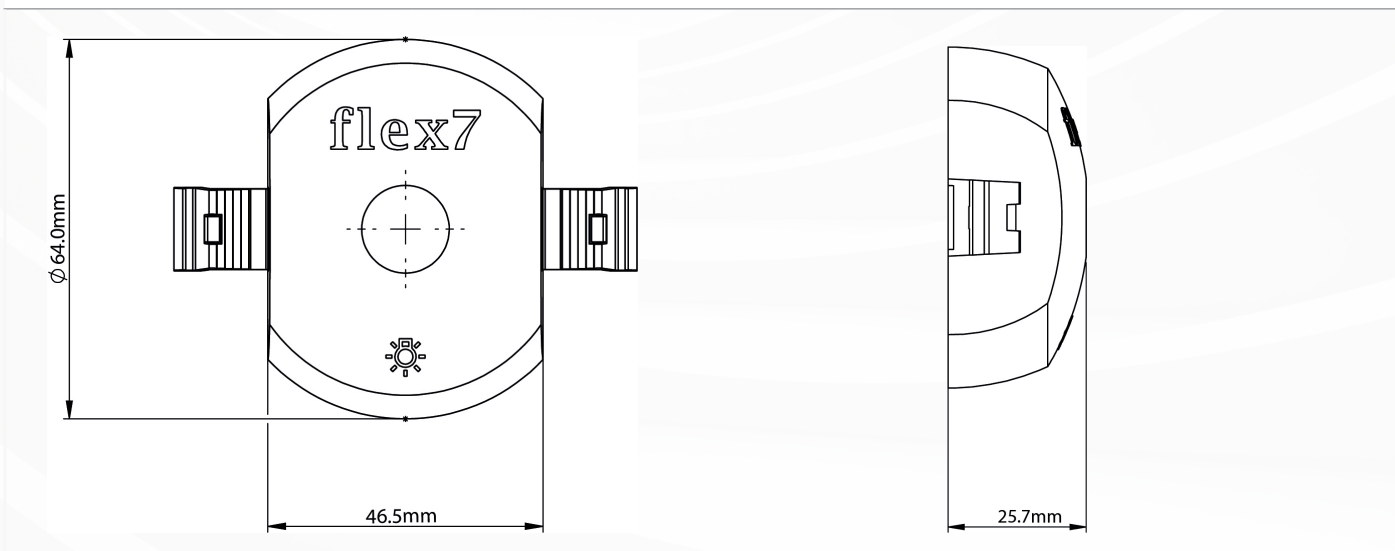
## PROTA PLUG, SOCKET & DECORATIVE COVER

|                                          |                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                                                                                                 |
| <b>CURRENT RATING:</b>                   | 6A                                                                                                    |
| <b>FREQUENCY:</b>                        | 50Hz                                                                                                  |
| <b>TERMINAL CAPACITY (SOCKET):</b>       | 5 x 1.50mm <sup>2</sup> , 3 x 2.50mm <sup>2</sup> , 2 x 4.00mm <sup>2</sup> , 1 x 6.00mm <sup>2</sup> |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94 V0<br>PC, Halogen Free, UL94, V0                                              |
| <b>INGRESS PROTECTION:</b>               | IP2X                                                                                                  |
| <b>OPERATING TEMPERATURE:</b>            | -5°C / +40°C                                                                                          |

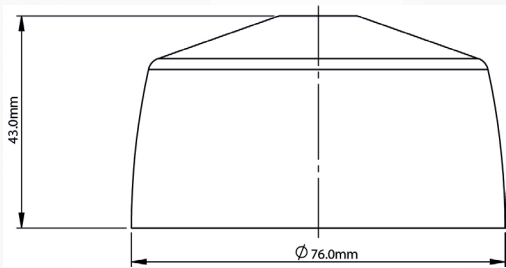
## PROTA SOCKET DIMENSIONS



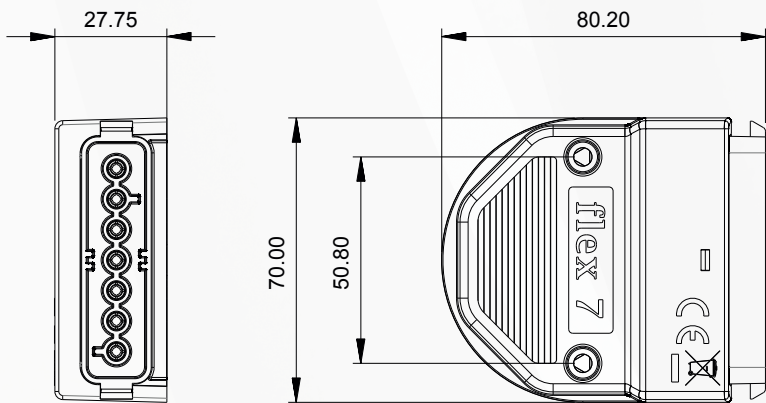
## PROTA PLUG DIMENSIONS



PROTA DECORATIVE COVER DIMENSIONS



FLEX7 SINGLE SOCKET OUTLETS (SURFACE MOUNT - CONDUIT BOX / TRUNKING MOUNT PLATE) DIMENSIONS

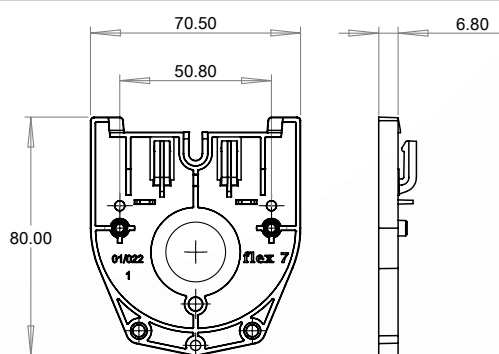


FLEX7 SINGLE SOCKET OUTLET

|                                   |                                                              |
|-----------------------------------|--------------------------------------------------------------|
| SUPPLY VOLTAGE:                   | 230V~                                                        |
| CURRENT RATING:                   | 16A                                                          |
| FREQUENCY                         | 50Hz                                                         |
| TERMINAL CAPACITY:                | 5 x 1.50mm², 3 x 2.50mm² conductors, 2 x 4.00mm² or 1x6.0mm² |
| MATERIAL SPECIFICATION (MOULDED): | PA6, Halogen Free, UL94, V0                                  |
| INGRESS PROTECTION:               | IP2X                                                         |
| OPERATING TEMPERATURE RANGE:      | -5°C / +40°C                                                 |



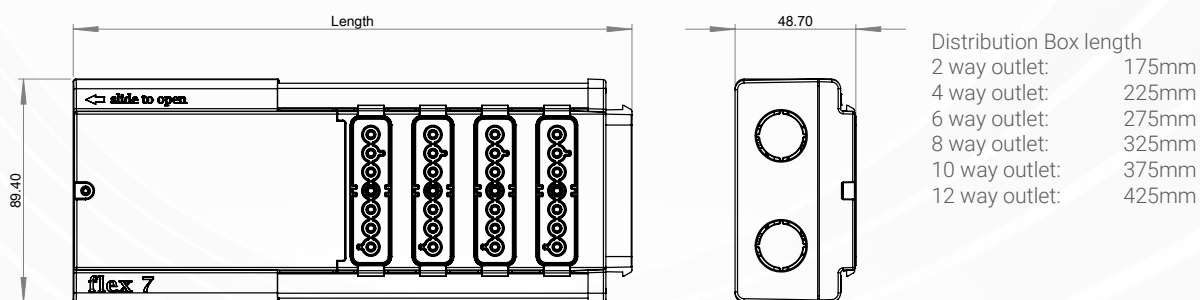
## FLEX7 TRUNKING MOUNT PLATE DIMENSIONS



## FLEX7 TRUNKING MOUNT PLATE

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| <b>CABLE ENTRY (KNOCKOUT):</b>           | 20mm Ø (order/20) 25mm Ø (order /25) |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0          |
| <b>INGRESS PROTECTION:</b>               | IP2X                                 |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                         |

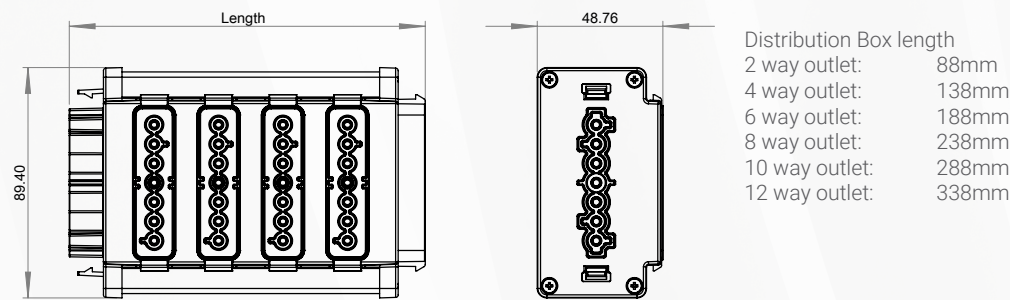
## FLEX7 STARTER DISTRIBUTION BOX DIMENSIONS



## FLEX7 STARTER DISTRIBUTION BOX

|                                          |                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                                                                                                           |
| <b>CURRENT RATING:</b>                   | 16A (7 contacts per outlet, each rated at 16A)                                                                  |
| <b>FREQUENCY:</b>                        | 50Hz                                                                                                            |
| <b>TERMINAL CAPACITY (SOCKET):</b>       | 5 x 1.50mm <sup>2</sup> , 3 x 2.50mm <sup>2</sup> conductors, 2 x 4.00mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> |
| <b>CABLE ENTRY (KNOCKOUT):</b>           | 4 x 20mm Ø (sides) 1 x 25mm Ø (rear)                                                                            |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0<br>PC/ABS, UL94, V0                                                                 |
| <b>INGRESS PROTECTION:</b>               | IP2X                                                                                                            |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                                                                                                    |

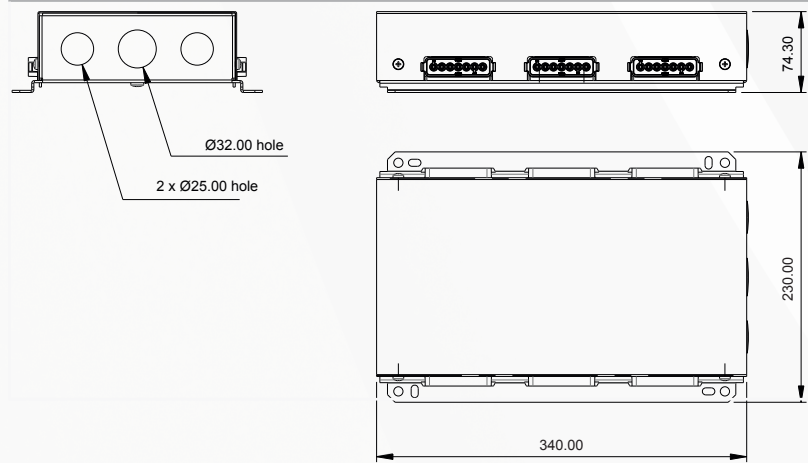
FLEX7 EXPANSION & TAP-OFF DISTRIBUTION BOX DIMENSIONS



FLEX7 EXPANSION & TAP-OFF DISTRIBUTION BOX

|                              |                             |
|------------------------------|-----------------------------|
| SUPPLY VOLTAGE:              | 230V~                       |
| CURRENT RATING:              | 16A                         |
| FREQUENCY:                   | 50Hz                        |
| TERMINAL CAPACITY (SOCKET):  | N/A                         |
| CABLE ENTRY (KNOCKOUT):      | N/A                         |
| MATERIAL SPECIFICATION:      | PA6, Halogen Free, UL94, V0 |
| INGRESS PROTECTION:          | IP2X                        |
| OPERATING TEMPERATURE RANGE: | -5°C / +40°C                |

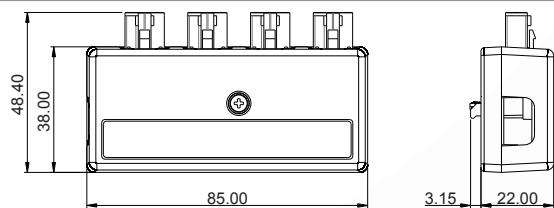
HUB DIMENSIONS



HUBS

|                             |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| SUPPLY VOLTAGE:             | 400V~                                                                       |
| CURRENT RATING:             | 16A                                                                         |
| FREQUENCY:                  | 50Hz                                                                        |
| TERMINAL CAPACITY (SOCKET): | 3 x 2.50mm <sup>2</sup> , 2 x 4.00mm <sup>2</sup> , 1 x 6.00mm <sup>2</sup> |
| MATERIAL SPECIFICATION:     | 1.20mm - 2.00mm thick mild steel                                            |
| INGRESS PROTECTION:         | IP2X                                                                        |
| OPERATING TEMPERATURE:      | -5°C / +40°C                                                                |

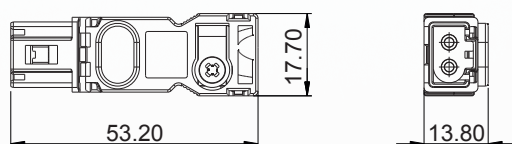
## FLEX7 2-POLE AUXILIARY ADAPTOR UNIT DIMENSIONS



## FLEX7 2-POLE AUXILIARY ADAPTOR UNIT

|                                          |                             |
|------------------------------------------|-----------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                       |
| <b>CURRENT RATING:</b>                   | 6A                          |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0 |
| <b>INGRESS PROTECTION:</b>               | IP2X                        |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                |

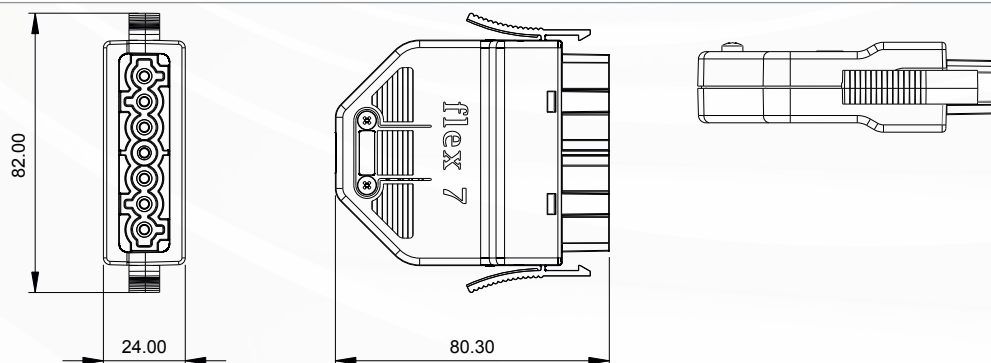
## FLEX7 2-POLE AUXILIARY ADAPTOR PLUG DIMENSIONS



## FLEX7 2-POLE AUXILIARY ADAPTOR PLUG

|                                          |                             |
|------------------------------------------|-----------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                       |
| <b>CURRENT RATING:</b>                   | 10A                         |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0 |
| <b>INGRESS PROTECTION:</b>               | IP2X                        |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                |

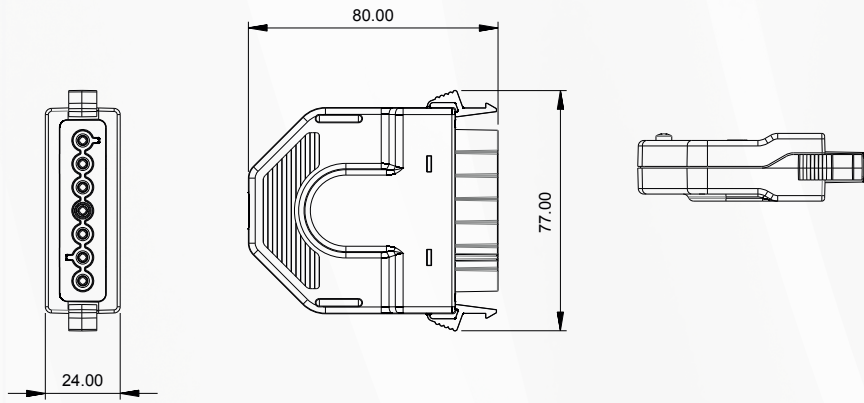
## FLEX7 PLUG (CABLE MOUNT) DIMENSIONS



## FLEX7 PLUG (CABLE MOUNT)

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                                      |
| <b>CURRENT RATING:</b>                   | 16A                                        |
| <b>FREQUENCY</b>                         | 50Hz                                       |
| <b>TERMINAL CAPACITY:</b>                | 0.50mm <sup>2</sup> to 2.50mm <sup>2</sup> |
| <b>CORD GRIP CAPACITY</b>                | 11.50mm <sup>2</sup> Ø                     |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0                |
| <b>INGRESS PROTECTION:</b>               | IP2X                                       |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                               |

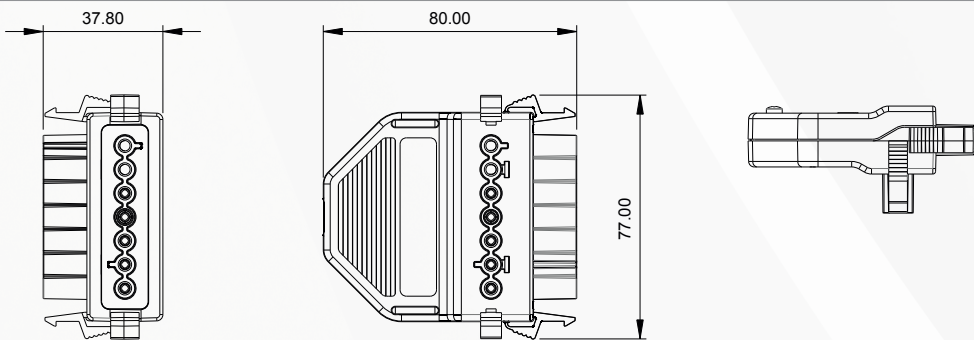
FLEX7 SINGLE SOCKET OUTLET (CABLE MOUNT) DIMENSIONS



FLEX7 SINGLE SOCKET OUTLET (CABLE MOUNT)

|                                   |                             |
|-----------------------------------|-----------------------------|
| SUPPLY VOLTAGE:                   | 230V~                       |
| CURRENT RATING:                   | 16A                         |
| FREQUENCY                         | 50Hz                        |
| TERMINAL CAPACITY:                | 0.50mm² to 2.50mm²          |
| CORD GRIP CAPACITY                | 11.50mm² Ø                  |
| MATERIAL SPECIFICATION (MOULDED): | PA6, Halogen Free, UL94, V0 |
| INGRESS PROTECTION:               | IP2X                        |
| OPERATING TEMPERATURE RANGE:      | -5°C / +40°C                |

FLEX7 DOUBLE SOCKET OUTLET (CABLE MOUNT) DIMENSIONS



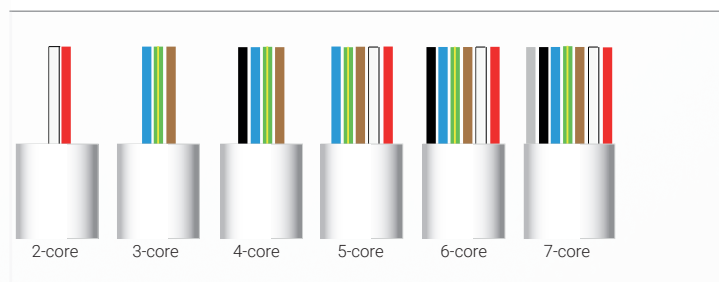
FLEX7 DOUBLE SOCKET OUTLET (CABLE MOUNT)

|                                   |                             |
|-----------------------------------|-----------------------------|
| SUPPLY VOLTAGE:                   | 230V~                       |
| CURRENT RATING:                   | 16A                         |
| FREQUENCY                         | 50Hz                        |
| TERMINAL CAPACITY:                | 0.50mm² to 2.50mm²          |
| CORD GRIP CAPACITY                | 11.50mm² Ø                  |
| MATERIAL SPECIFICATION (MOULDED): | PA6, Halogen Free, UL94, V0 |
| INGRESS PROTECTION:               | IP2X                        |
| OPERATING TEMPERATURE RANGE:      | -5°C / +40°C                |

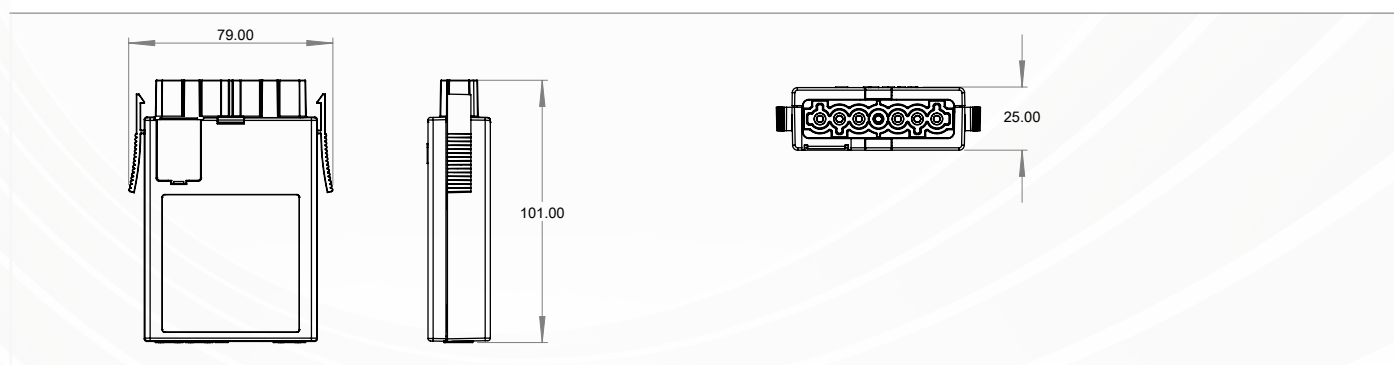
## LOW SMOKE HALOGEN FREE (LSHF) FLEXIBLE CABLE

|                                  |                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RATED VOLTAGE:</b>            | 300V / 500V                                                                                                                                                                                                           |
| <b>CONDUCTOR SPECIFICATION:</b>  | Class 5, Copper to EN 60228                                                                                                                                                                                           |
| <b>CONDUCTOR INSULATION:</b>     | Low Smoke Halogen Free (TI6)                                                                                                                                                                                          |
| <b>SHEATH/JACKET INSULATION:</b> | Low Smoke Halogen Free (TM7)                                                                                                                                                                                          |
| <b>CONFORMANCE:</b>              | 3-5 Core: BS EN 50525-3-11, H05Z1Z1-F<br>2-Core & 6-7 CORE: BS EN 50525-3-11 (construction, testing & performance although standard only caters for 3-5 core products), 05Z1Z1-F<br>CPR (System 1+) - Cca s1b, d1, a1 |

## LOW SMOKE HALOGEN FREE CABLE CONDUCTOR COLOURS



## FLEX7 CONTROL MODULE DIMENSIONS

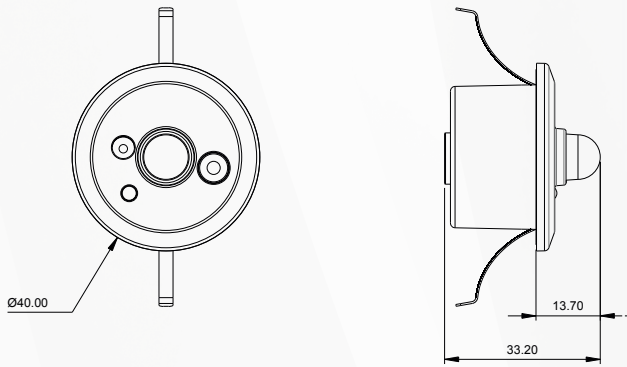


## FLEX7 CONTROL MODULE

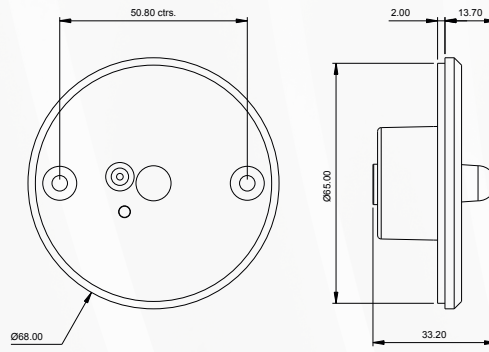
|                                          |                             |
|------------------------------------------|-----------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                       |
| <b>CURRENT RATING:</b>                   | 6A                          |
| <b>FREQUENCY</b>                         | 50Hz                        |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0 |
| <b>INGRESS PROTECTION:</b>               | IP2X                        |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                |



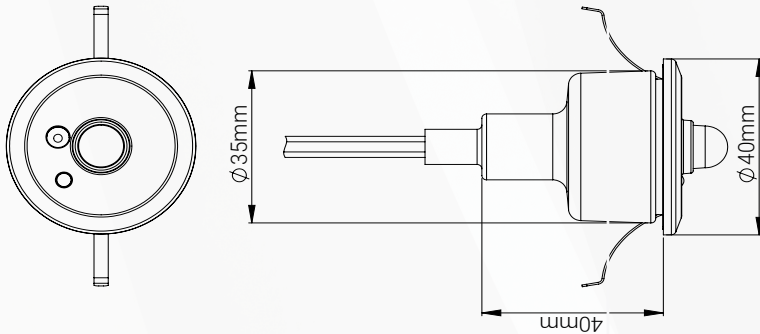
#### FLEX7 STANDARD PIR SENSOR HEAD DIMENSIONS



#### FLEX7 TAMPER-RESISTANT PIR SENSOR HEAD DIMENSIONS



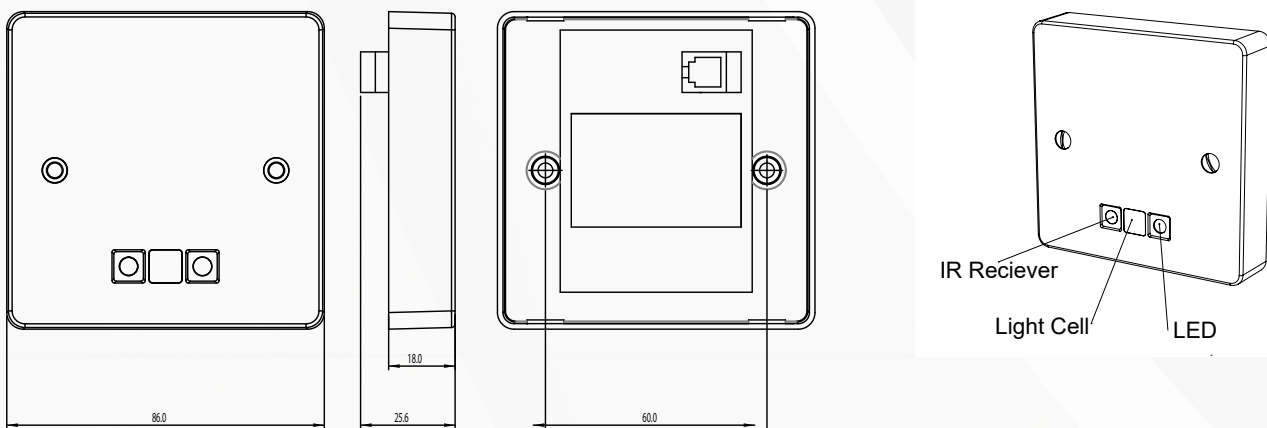
#### FLEX7 IP66 PIR SENSOR HEAD DIMENSIONS



#### FLEX7 PIR SENSOR HEAD

|                                          |                                          |
|------------------------------------------|------------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 12V= (via flex7 Control Module/ZoneLite) |
| <b>DETECTION RANGE:</b>                  | 9m x 7m when ceiling mounted 2.5m high   |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0              |
| <b>INGRESS PROTECTION:</b>               | IP2X & IP66                              |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                             |

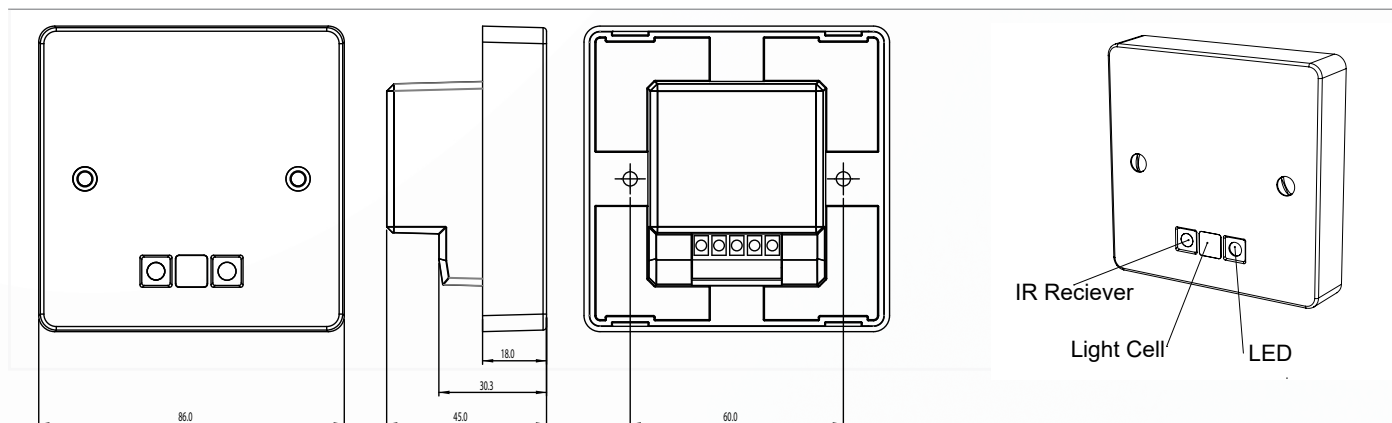
#### FLEX7 12V MICROWAVE SENSOR HEAD DIMENSIONS



#### FLEX7 12V MICROWAVE SENSOR HEAD

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 12V= (via flex7 Control Module/ZoneLite)                                        |
| <b>DETECTION RANGE:</b>                  | 25m x 6m when wall mounted 2.2m high<br>11m x 8m when ceiling mounted 2.5m high |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0                                                     |
| <b>INGRESS PROTECTION:</b>               | IP2X                                                                            |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                                                                    |

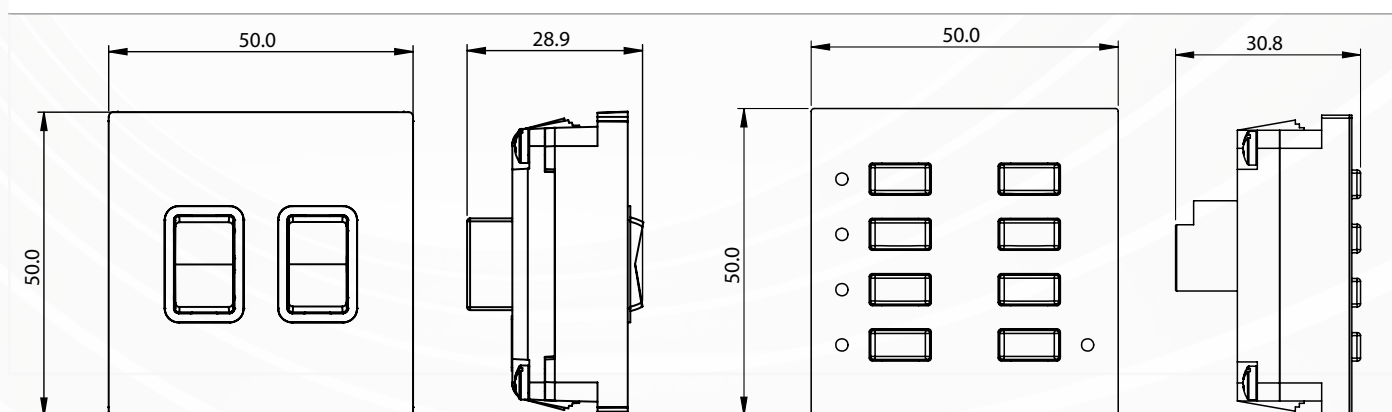
## FLEX7 230V MICROWAVE SENSOR HEAD DIMENSIONS



## FLEX7 230V MICROWAVE SENSOR HEAD

|                                          |                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 230V~                                                                           |
| <b>DETECTION RANGE:</b>                  | 25m x 6m when wall mounted 2.2m high<br>11m x 8m when ceiling mounted 2.5m high |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0                                                     |
| <b>INGRESS PROTECTION:</b>               | IP2X                                                                            |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                                                                    |

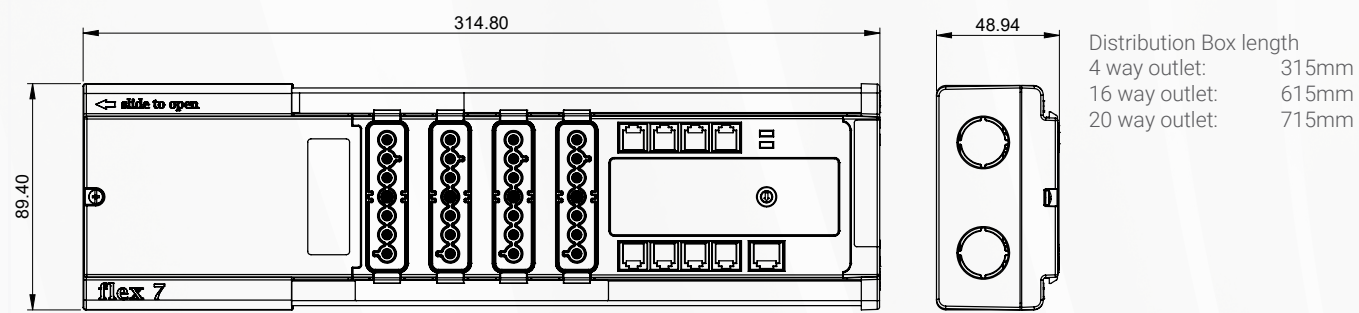
## FLEX7 SWITCH DIMENSIONS



## FLEX7 SWITCH

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| <b>SUPPLY VOLTAGE:</b>                   | 5V= (via flex7 Control Module/ZoneLite) |
| <b>MATERIAL SPECIFICATION (MOULDED):</b> | PA6, Halogen Free, UL94, V0             |
| <b>INGRESS PROTECTION:</b>               | IP2X                                    |
| <b>OPERATING TEMPERATURE RANGE:</b>      | -5°C / +40°C                            |

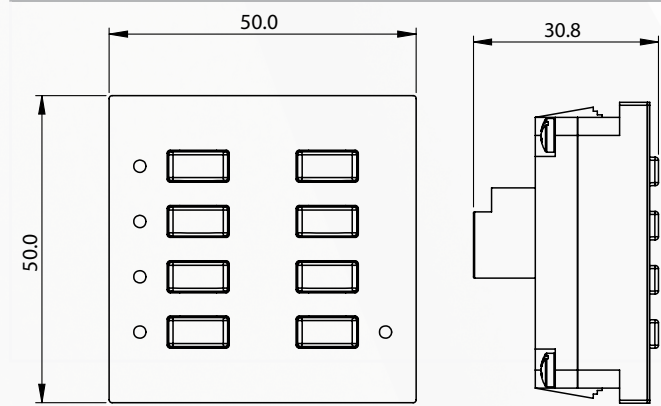
FLEX7 ZONELITE MODULE DIMENSIONS



FLEX7 ZONELITE MODULE

|                              |                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------|
| SUPPLY VOLTAGE:              | 230V~                                                                                                           |
| CURRENT RATING PER CHANNEL:  | 6A (16A maximum)                                                                                                |
| CURRENT RATING:              | 16A                                                                                                             |
| FREQUENCY:                   | 50Hz                                                                                                            |
| TERMINAL CAPACITY (SOCKET):  | 5 x 1.50mm <sup>2</sup> , 3 x 2.50mm <sup>2</sup> conductors, 2 x 4.00mm <sup>2</sup> or 1 x 6.0mm <sup>2</sup> |
| CABLE ENTRY (KNOCKOUT):      | 4 x 20mm Ø (sides) 1 x 25mm Ø (rear)                                                                            |
| MATERIAL SPECIFICATION:      | PA6, Halogen Free, UL94, V0                                                                                     |
| INGRESS PROTECTION:          | IP2X                                                                                                            |
| OPERATING TEMPERATURE RANGE: | -5°C / +40°C                                                                                                    |

FLEX7 SCENE SET PLATE DIMENSIONS



FLEX7 SCENE SET PLATE

|                                   |                             |
|-----------------------------------|-----------------------------|
| SUPPLY VOLTAGE:                   | 12V= (via ZoneLite)         |
| MATERIAL SPECIFICATION (MOULDED): | PA6, Halogen Free, UL94, V0 |
| INGRESS PROTECTION:               | IP2X                        |
| OPERATING TEMPERATURE RANGE:      | -5°C / +40°C                |









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