

Mymesh Product Sheet

Connect any light, anywhere.



MYMESH-COPD17M

IP66 Rated Compact Passive Infra Red (PIR) Occupancy Detector & Photocell

(Input: 100-240 Vac 50/60Hz)

This MYMESH-COPD17M Lighting Control has an IP66 rated weatherproof enclosure and can be surface mounted onto an external wall. Configurable for any room occupancy style, via the Mymesh App.

Installation:

Please read these instructions before installing the product.

NOTE: MYMESH-COPD17M is compatible with Mymesh commissioning tools.

To be installed by a competent person with reference to BS 7671 or equivalent local standards. If in doubt consult a qualified electrician.

- Plan where the MYMESH-COPD17M is to be located (see diagram 1). Switch off supply and check for hidden cables and pipes.
- The detector should be sited so that it is not shaded from daylight.
- Make sure the power is isolated from the circuit.
- Remove the front cover by removing the two screws on the front face of the product.
- Remove the terminal cover (see diagram 3).
- The detector should be mounted between 1 and 2.2 metres high, via any of the four pre-drilled mounting holes only and must be mounted with the cable entering from below.
- Thread mains cable carefully through the required membrane entry point.
- The MYMESH-COPD17M should be connected as shown in diagram 2:
L - Live in. N - Neutral in.
- IMPORTANT - Replace terminal cover.
- Replace the front cover ensuring the two screws are secured.

Operation:

To check the operation of the MYMESH-COPD17M:

- Turn on the supply then after 20 seconds if the sensor has recognised movement of a person within its zone of detection the integral red LED on MYMESH-COPD17M will stay illuminated for 4 seconds before the red LED turns off.
- Thereafter, every time movement is detected by MYMESH-COPD17M the integral red LED will stay illuminated for 4 seconds.

The control also features adjustable time out (time lag) control and daylight threshold control which are configured by the Mymesh App.

Precautions:

- Do not place the MYMESH-COPD17M near heat sources, fans or in ventilated ceiling voids.
- MYMESH-COPD17M can be wired in parallel (sharing the same Live and Neutral).
- Do not place close to, or positioned such that, any light source points directly into the MYMESH-COPD17M.
- Ensure wires and cables are securely held within the connection terminals.
- The MYMESH-COPD17M should be protected by a 5 or 6 Ampere mcb or fuse.
- Disconnect the MYMESH-COPD17M from the circuit before performing insulation testing of the wiring circuit.

Status LED blinking sequence:

See diagram 6 overleaf.

Normal: Both LED's off.

Identification of device: Red LED blinks.

MYMESH-COPD17M: Technical Specifications

DIAGRAM 1:
Detection

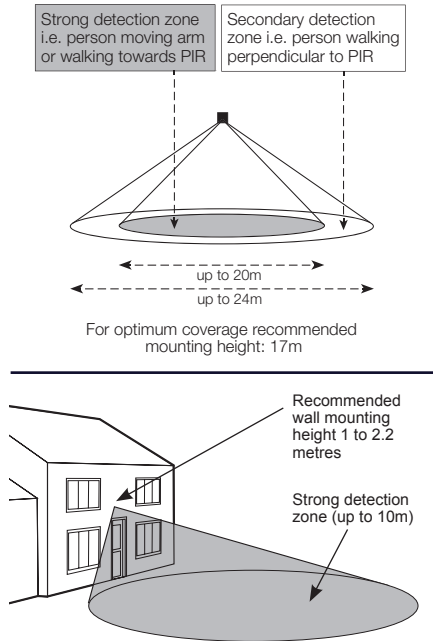


DIAGRAM 2:
Wiring:

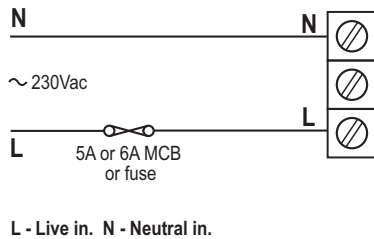


DIAGRAM 3:
Safety Cap

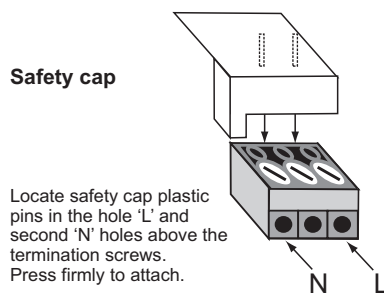
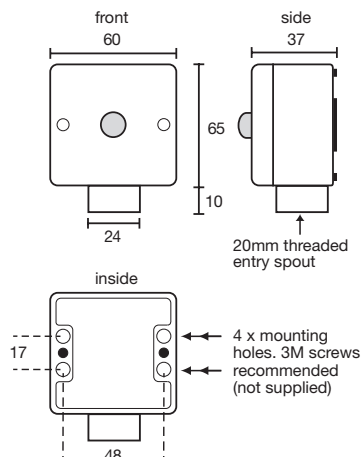


DIAGRAM 4:
Dimensions:



Technical details:

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| INPUT | |
| Voltage: | 100 - 240Vac |
| Frequency: | 50/60Hz |
| Max. mains current: | 20mA |
| Standby current: | 14mA |
| RADIO TRANSCEIVER | |
| Operating frequencies: | 2.4... 2.483 GHz |
| Max. output power: | +4 dBm |
| LUX PARAMETERS | |
| Range: | 5 - 2000 lux |
| OPERATING CONDITIONS | |
| Note: The temperature difference between the detection target and the background must be at least 4 °C. | |
| Ambient temperature: | -20... +40 °C (lout 20mA) |
| Storage temperature: | -25... +75 °C |
| Max. relative humidity: | 0... 80%, non cond. |
| CONNECTORS | |
| Terminal block Wire size: | 0.5mm ² - 2.5mm ² solid or stranded |
| Wire strip length: | 6-7mm |
| Tightening torque: | 0.4 Nm/4 Kgf.cm |
| MECHANICAL DATA | |
| Dimensions: | 75mm x 60mm x 37mm |
| Weight: | 111g (unpacked) |
| Degree of protection: | IP66 |
| Protection class: | Built-in Class 2 |
| Material (casing) | Flame-retardant polycarbonate/polypropylene |
| Finish / Colour | Matt /White (RAL 9003) |
| Protection class: | Built-in Class 2 |
| CONFORMITY AND STANDARDS | |
| EMC emission: EN 301 489-1 V2.2.0, EN 301 484-3, EN 55032: 2015, EN61000-3-2: 2014, EN61000-3-3: 2013 | |
| EMC immunity: EN 301 489-1 V2.2.0, EN 301 484-3 | |
| Environment: Complies with WEEE and RoHS directives | |
| CB scheme: IEC60669-1:1998, IEC60669-1:1998/AMD1:1999, IEC60669-1:1998/AMD2:2006, IEC60669-2:2002, IEC60669-2-1:2002/AMD1:2008 | |
| Radio: EN 300 440 | |

5 YEAR WARRANTY

MYMESH-COPD17M comes with a 5 year warranty from the date of manufacture and is CE marked.

