

# Mymesh Product Sheet

Connect any light, anywhere.



## MYMESH-COPDBK

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

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

This MYMESH-COPDBK 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-COPDBK 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-COPDBK 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-COPDBK 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-COPDBK:

- 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-COPDBK will stay illuminated for 4 seconds before the red LED turns off.
- Thereafter, every time movement is detected by MYMESH-COPDBK 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-COPDBK near heat sources, fans or in ventilated ceiling voids.
- MYMESH-COPDBK 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-COPDBK.
- Ensure wires and cables are securely held within the connection terminals.
- The MYMESH-COPDBK should be protected by a 5 or 6 Ampere mcb or fuse.
- Disconnect the MYMESH-COPDBK 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-COPDBK: Technical Specifications

DIAGRAM 1:  
Detection

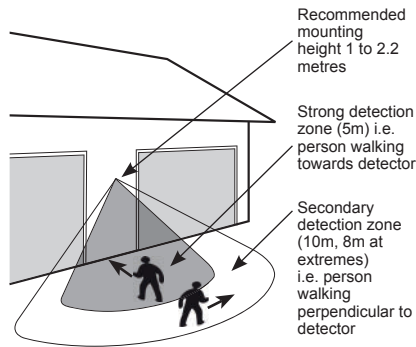


DIAGRAM 2:  
Wiring:

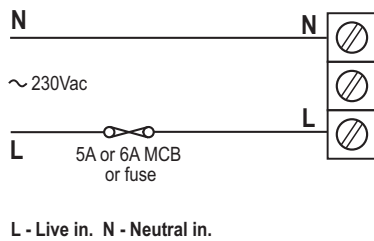


DIAGRAM 3:  
Safety Cap

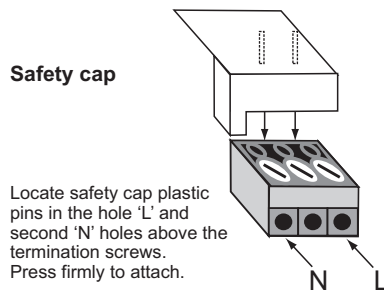
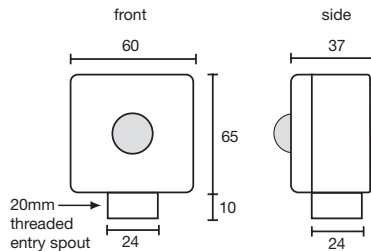


DIAGRAM 4:  
Dimensions:



## Technical details:

<b>INPUT</b>	
Voltage:	100 - 240Vac
Frequency:	50/60Hz
Max. mains current:	20mA
Standby current:	14mA
<b>RADIO TRANSCEIVER</b>	
Operating frequencies:	2.4... 2.483 GHz
Max. output power:	+4 dBm
<b>LUX PARAMETERS</b>	
Range:	5 - 2000 lux
<b>OPERATING CONDITIONS</b>	
Note: The temperature difference between the detection target and the background must be at least 4 °C.	
Ambient temperature:	-20... +40 °C (out 20mA)
Storage temperature:	-25... +75 °C
Max. relative humidity:	0... 80%, non cond.
<b>CONNECTORS</b>	
Terminal block Wire size:	0.5mm <sup>2</sup> - 2.5mm <sup>2</sup> solid or stranded
Wire strip length:	6-7mm
Tightening torque:	0.4 Nm/4 Kgf.cm
<b>MECHANICAL DATA</b>	
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	Black (RAL 9006)
Protection class:	Built-in Class 2
<b>CONFORMITY AND STANDARDS</b>	
<b>EMC emission:</b> EN 301 489-1 V2.2.0, EN 301 484-3, EN 55032: 2015, EN61000-3-2: 2014, EN61000-3-3: 2013	
<b>EMC immunity:</b> EN 301 489-1 V2.2.0, EN 301 484-3	
<b>Environment:</b> Complies with WEEE and RoHS directives	
<b>CB scheme:</b> IEC60669-1:1998, IEC60669-1:1998/AMD1:1999, IEC60669-1:1998/AMD2:2006, IEC60669-2:2002, IEC60669-2-1:2002/AMD1:2008	
<b>Radio:</b> EN 300 440	

## 5 YEAR WARRANTY

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

