

MYMESH-CESRFW

Ceiling Surface Mount Passive Infra Red (PIR) Occupancy Detector & Photocell

Input: 100-240 Vac 50/60Hz

mymesh



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT

NOTE: MYMESH-CESRFW is only compatible to work on the Mymesh Gen2 and Gen3 Platform.

This MYMESH-CESRFW Lighting Control can be mounted directly onto solid ceilings or onto a range of different mounting boxes. Configurable for any room occupancy style.

INSTALLATION

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-CESRFW is to be located (see diagram 1). Switch off supply and check for hidden cables and pipes.
- The MYMESH-CESRFW should be connected as shown in diagrams 2 and 3:

L Live in.
N Neutral in.

- Knockout or drill the appropriate holes on the mounting plate for attaching the plate to the ceiling or back box (if applicable). Feed cables through the appropriate (side or rear) entry hole. Screw the back mounting plate to the ceiling or back box via the mounting holes. Wire the cables into the sensor head block terminal. Push the sensor head onto the mounting plate and align the side clips with the slots on the sensor head.

OPERATION

To check the operation of the MYMESH-CESRFW subject to software version:

- Turn on the supply.
- Status LED blinking sequence.
Normal: Both LED's off.
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blink on movement : Red LED blinks.

The control also features adjustable time out (time lag) control and daylight threshold control. Commissioning is done though the Mymesh Buildings GUI.

PRECAUTIONS

- Do not place the MYMESH-CESRFW near heat sources, fans or in ventilated ceiling voids.
- Do not place close to, or positioned such that, any light source points directly into the MYMESH-CESRFW.
- Ensure wires and cables are securely held within the connection terminals.
- The MYMESH-CESRFW should be protected by a suitable mcb or fuse.
- Disconnect the MYMESH-CESRFW from the circuit before performing insulation testing of the wiring circuit.**

TECHNICAL DETAILS

INPUT	
Voltage:	100 - 240Vac
Frequency:	50/60Hz
Max. mains current:	20mA
Standby current:	18mA
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.	
Field of view:	136°x 135°
Detection Zones:	416
Ambient temperature:	-20... +40 °C (Iout 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:	49mm x 91mm x 91mm
Weight:	98g (unpacked)
Degree of protection:	IP20
Protection class:	Built-in Class 2
Material (casing)	Flame-retardant polycarbonate
Finish / Colour	Matt /White (RAL 9003) Matt /Black (RAL 9005)

COLOUR OPTIONS

This product is available in 2 colour options designated by the following product codes:

White: **MYMESH-CESRFW**
Black: **MYMESH-CESRFWBK**

5 YEAR WARRANTY

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

CONFORMITY AND STANDARDS

EMC emission:

EN 301 489-1 V2.2.0,
EN 301 489-17 V3.1.1,
EN 55032: 2015,
EN61000-3-2: 2014,
EN61000-3-3: 2013

EMC immunity:

EN 301 489-1 V2.2.0,
EN 301 489-17 V3.1.1

Environment:

Complies with WEEE (PRN WEEE/BA5544YX) and RoHS directives

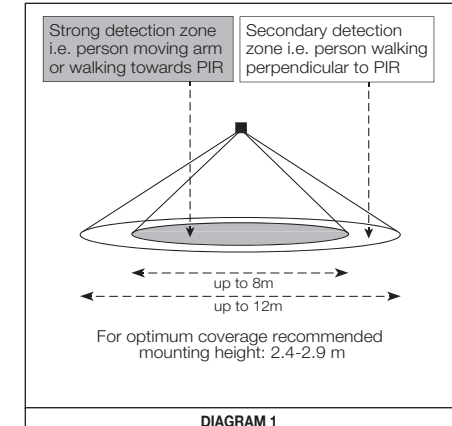


DIAGRAM 1

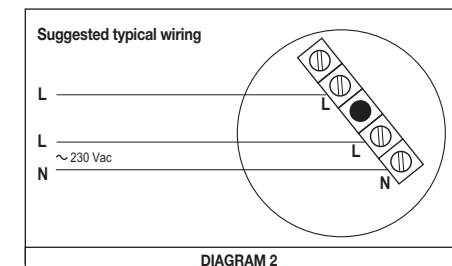


DIAGRAM 2

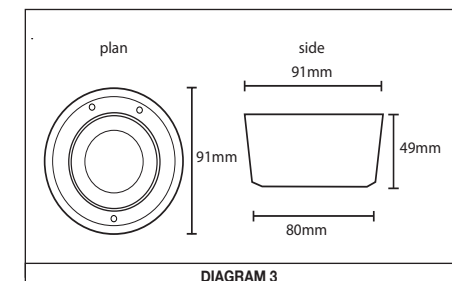


DIAGRAM 3



DANLERS

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