

# CN-COPD17M

COSMICNODE

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

Input: 220-240 Vac 50Hz



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT

NOTE: CN-COPD17M is only compatible to work with Cosmicnode enabled equipment

This CN-COPD17M Lighting Control has an IP66 rated weatherproof enclosure and can be surface mounted onto an external/internal ceiling or wall. Configurable via the free to download Cosmicnode APP on Google Play or Apple APP Store.

### 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 CN-COPD17M is to be located (see diagrams 1 and 2). 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.
- The detector could be ceiling mounted up to 17 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 entry point.
- The CN-COPD17M should be connected as shown in diagram 3:  
L - Live in. N - Neutral in.
- Replace the front cover ensuring the two screws are secured.

### OPERATION

To check the operation of the CN-COPD17M:

- Turn on the supply then after 20 seconds if the sensor has recognised movement of a person within its zone of detection.

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

### PRECAUTIONS

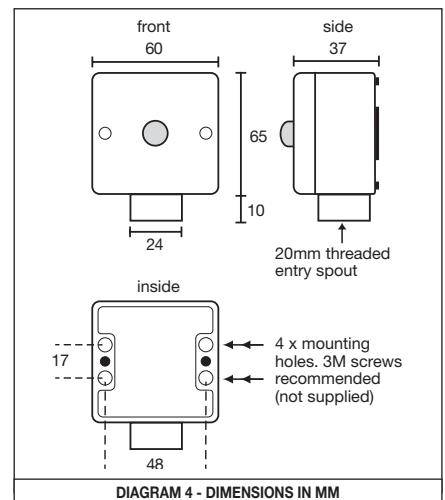
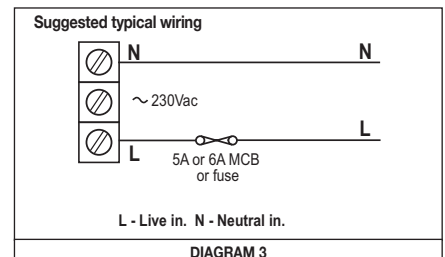
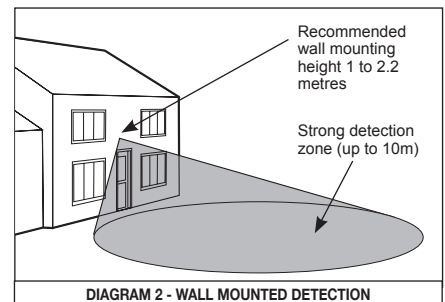
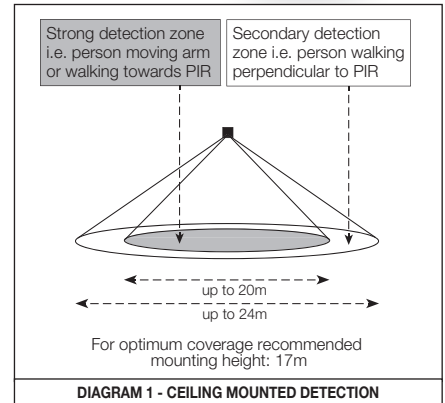
- Do not place the CN-COPD17M near heat sources, fans or in ventilated ceiling voids.
- Do not place close to, or positioned such that, any light source points directly into the CN-COPD17M.
- Ensure wires and cables are securely held within the connection terminals.
- The CN-COPD17M should be protected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

### TECHNICAL DETAILS

INPUT	
Voltage:	220 - 240Vac
Frequency:	50Hz
Max. mains current:	20mA
Standby current:	16mA
RADIO TRANSCIVER	
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 (Iout 0.05 A)
Storage temperature:	-25... +75 °C
Max. relative humidity:	0... 80%, non cond.
CONNECTORS	
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
MECHANICAL DATA	
Dimensions:	75mm x 60mm x 37mm
Weight:	100g (unpacked)
Degree of protection:	IP66
Protection class:	Built-in Class 2
Material (casing)	Flame-retardant polycarbonate/ Polypropylene.
Finish / Colour	Opaque /White (RAL 9003)
Protection class:	Built-in Class 2
CONFORMITY AND STANDARDS	
EMC emission:	EN60669-2-1:2004 inc. A12:2010
EMC immunity:	EN60669-2-1:2004 inc. A12:2010
Safety:	EN60669-2-1:2004 inc. A12:2010
Environment:	Complies with WEEE and RoHS directives

### 5 YEAR WARRANTY

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



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