

# CBU-MNPIR5M10V

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

Input: 100-240 Vac 50/60Hz

CASAMBI



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT  
NOTE: CBU-MNPIR5M10V is only compatible to work with Casambi enabled app.

This flush mounted CBU-MNPIR5M10V is suitable for easy mounting through a 38/40mm diameter hole into a ceiling void which is at least 60mm deep. Configurable for any room occupancy style, via the free to download Casambi 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 CBU-MNPIR5M10V is to be located (see diagram 1). Switch off supply and check for hidden cables and pipes. Make a 38/40mm diameter hole through a standard ceiling board.
- The MNPIRPS10V should be connected as shown in diagram 2:  
L - Live in. N - Neutral in. +/- - Control lines (polarity dependent)
- Ensure both springs are fitted to the CBU-MNPIR5M10V in the correct orientation (see diagram 3).
- Fit one end of the Telejack into the MNPIRPS10V the other end fit to the CBU-MNPIR5M10V. (see diagram 4)
- Push both connected products into the ceiling void.

### OPERATION

To check the operation of the CBU-MNPIR5M10V subject to software version:

- 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 CBU-MNPIR5M10V will flash before the red LED turns off.
- Thereafter, every time movement is detected by CBU-MNPIR5M10V the integral red LED will flash.

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

### PRECAUTIONS

- Do not place the CBU-MNPIR5M10V 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 CBU-MNPIR5M10V.
- Ensure wires and cables are securely held within the connection terminals.
- The CBU-MNPIR5M10V should be protected by a 5 or 6 Ampere mcb or fuse.
- Disconnect the CBU-MNPIR5M10V 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:	14mA
OUTPUT	
Output:	0-10VDC
Max. Current:	40mA (maximum 20 ballast)
RADIO TRANSCEIVER	
Operating frequencies:	2.4... 2,480 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
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:	See diagram 3
Weight:	85g (unpacked)
Degree of protection:	IP40
Protection class:	Built-in Class 2
Material (casing)	Flame-retardant polycarbonate
Finish / Colour	Matt /White (RAL 9003)
CONFORMITY AND STANDARDS	
<b>EMC emission:</b> 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	
<b>EMC immunity:</b> EN 301 489-1 V2.2.0, EN 301 489-17 V3.1.1	
<b>Environment:</b> Complies with WEEE and RoHS directives	

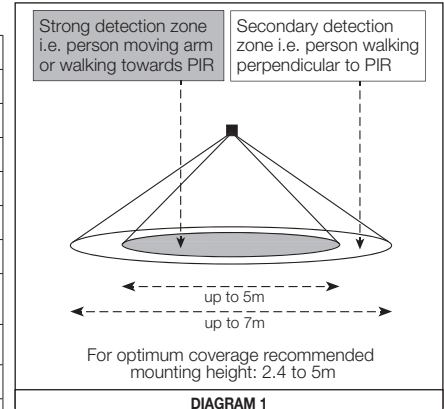


DIAGRAM 1

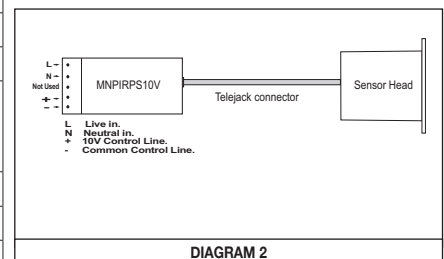


DIAGRAM 2

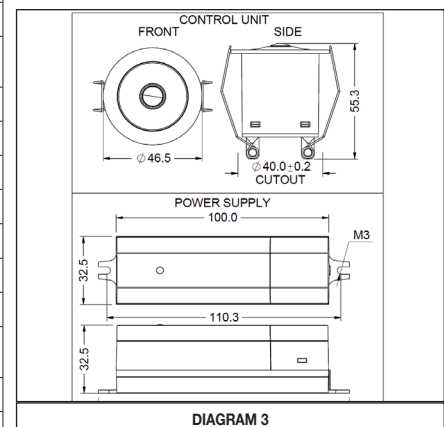


DIAGRAM 3

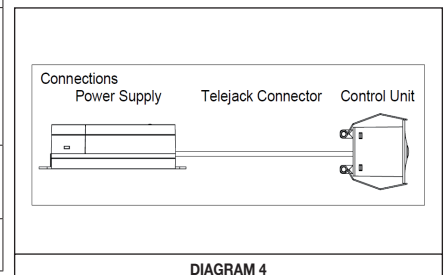


DIAGRAM 4



### 5 YEAR WARRANTY

CBU-MNPIR5M10V comes with a 5 year warranty from the date of manufacture and is CE marked.

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