

# CBU-MNPIR5MSW

## 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-MNPIR5MSW is only compatible to work with Casambi enabled app.

This flush mounted CBU-MNPIR5MSW 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-MNPIR5MSW 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 MNPIR5MSW should be connected as shown in diagram 2:  
L - Live in. N - Neutral in. SW - Switched line.
- Ensure both springs are fitted to the CBU-MNPIR5MSW in the correct orientation (see diagram 3)
- Fit one end of the Telejack into the MNPIR5MSW the other end fit to the CBU-MNPIR5SW. (see diagram 4)
- Push both connected products into the ceiling void.

### OPERATION

To check the operation of the CBU-MNPIR5MSW 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-MNPIR5MSW will flash before the red LED turns off.
- Every time movement is detected by CBU-MNPIR5MSW 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-MNPIR5MSW 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-MNPIR5MSW.
- Ensure wires and cables are securely held within the connection terminals.
- The CBU-MNPIR5MSW should be protected by a 5 or 6 Ampere mcb or fuse.
- Disconnect the CBU-MNPIR5MSW 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  |
| LOADING   |   |
| Fluorescent lamps, either high frequency  | 2 amps (450W)   |
| Incandescent or mains halogen lamps   | 2 amps (450W)   |
| LED lamps and drivers (PF ≥ 0.95).  | 2 amps (450W)   |
| 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:   | 102g (unpacked)   |
| Degree of protection:   | IP40  |
| Protection class:   | Built-in Class 2  |
| Material (casing)   | Flame-retardant polycarbonate                             |
| Finish / Colour   | Matt /White (RAL 9003)                                    |
| Protection class:   | Built-in Class 2  |
| CONFORMITY AND STANDARDS  |   |
| <b>EMC emission:</b><br>EN 301 489-1 V2.2.0,<br>EN 301 489-17 V3.1.1,<br>EN 55032: 2015,<br>EN61000-3-2: 2014,<br>EN61000-3-3: 2013 |   |

**EMC immunity:**  
EN 301 489-1 V2.2.0,  
EN 301 489-17 V3.1.1

**Environment:**  
Complies with WEEE and RoHS directives

### 5 YEAR WARRANTY

CBU-MNPIR5MSW comes with a 5 year warranty from the date of manufacture and is CE marked.



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