# **CBU-MNPIR5MSW**

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

Input: 100-240 Vac 50/60Hz

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 MNPIRPSSW 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 MNPIRPSSW 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.

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EN61000-3-2: 2014 EN61000-3-3: 2013

### **TECHNICAL DETAILS**

#### INPUT 100 - 240Vac Voltage: Frequency: 50/60Hz Max. mains current: 20mA 14mA Standby current: LOADING Fluorescent lamps, 2 amps (450W) either high frequency Incandescent or mains 2 amps (450W) halogen lamps LED lamps and drivers 2 amps (450W) $(PF \ge 0.95).$ **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 -25... +75 °C Storage temperature: Max. relative humidity: 0... 80%, non cond. CONNECTORS Terminal block 0.5mm<sup>2</sup> - 2.5mm<sup>2</sup> solid or stranded Wire size: 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 Built-in Class 2 Protection class: Flame-retardant Material (casing) polycarbonate Finish / Colour Matt /White (RAL 9003) Built-in Class 2 Protection class: CONFORMITY AND STANDARDS EMC emission: EN 301 489-1 V2.2.0, EN 301 489-17 V3.1.1, EN 55032: 2015,

EMC immunity: EN 301 489-1 V2.2.0,

CASAMBI

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.







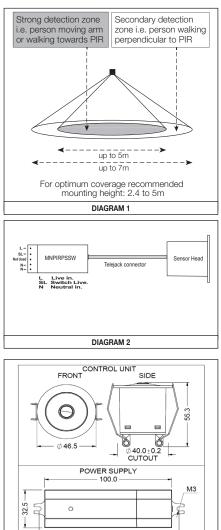
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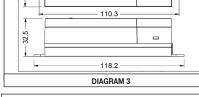
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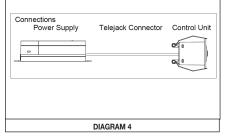
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