

CBU-CEFL

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

Input: 220-240 Vac 50Hz

CASAMBI



PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT
NOTE: CBU-CEFL is only compatible to work with CASAMBI enabled equipment

This flush mounted CBU-CEFL is suitable for easy mounting through a 73/75mm diameter hole into a ceiling void which is at least 78mm 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-CEFL is to be located (see diagram 1). Switch off supply and check for hidden cables and pipes. Make a 73/75mm diameter hole through a standard ceiling board.
- The CBU-CEFL should be connected as shown in diagram 2:
L - Live in. N - Neutral in.
- Ensure both springs are fitted to the moulding in the correct orientation (see diagram 3).
- Push the CBU-CEFL into the ceiling void, making reference to diagram 4.

OPERATION

To check the operation of the CBU-CEFL:

- 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-CEFL will stay illuminated for 4 seconds before the red LED turns off.
- Thereafter, every time movement is detected by CBU-CEFL the integral red LED will stay illuminated for 4 seconds.

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

PRECAUTIONS

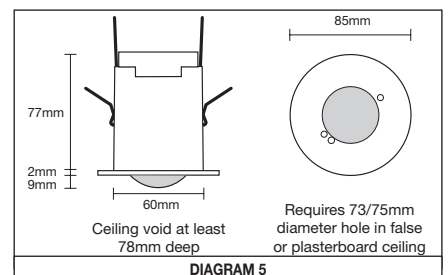
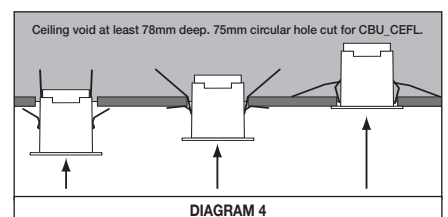
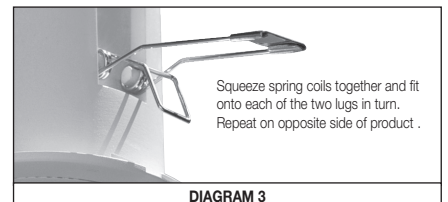
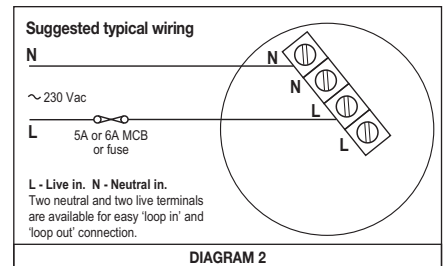
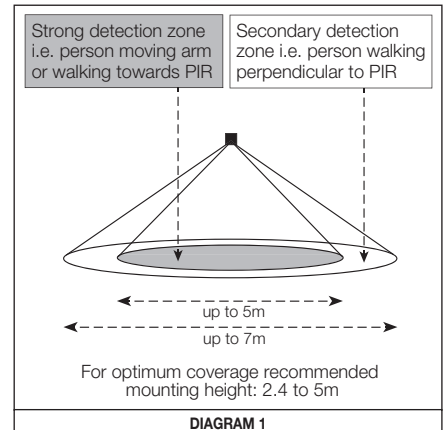
- Do not place the CBU-CEFL near heat sources, fans or in ventilated ceiling voids.
- CBU-CEFL can be wired in parallel (sharing the same Live and Neutral).
- Do not place close to, or positioned such that, any light source points directly into the CBU-CEFL.
- Ensure wires and cables are securely held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

TECHNICAL DETAILS

| INPUT | |
|---|---|
| Voltage: | 220 - 240Vac |
| Frequency: | 50Hz |
| Max. mains current: | 0.05A |
| Standby current: | 0.05A |
| 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. | |
| Ambient temperature: | -20... +40 °C (Iout 0.05 A) |
| Max. case temperature: | +70 °C |
| 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: | 79mm x 85mm x 85mm |
| Weight: | 95g (unpacked) |
| Degree of protection: | IP20 |
| 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 | |
| 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

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



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