CBU-BMPIR17MSW

Batten Mount Passive Infra Red (PIR) Occupancy Detector & Photocell

Input: 100-240 Vac 50/60Hz

CASAMBI

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLING THE PRODUCT
NOTE: This product is only compatible to work with Casambi enabled equipment.

This CBU-BMPIR17MSW module is designed for building into luminaires. Configurable 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-BMPIR17MSW is to be located (see diagram 1).
- Switch off supply to the lighting batten.
- Remove the 20mm knockout from the end of the lighting batten.
- Remove the 20mm threaded nut from the sensor.
- Feed the trailing wires through the knockout hole, with the sensor facing downwards tighten the 20mm nut (see diagram2).
- The CBU-BMPIR17MSW device should be connected as shown (see diagram 3).

BROWN	Live supply.
BLUE	Neutral supply.
WHITE	Switch Live.

OPERATION

To check the operation of the CBU-BMPIR17MSW:

- 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-BMPIR17MSW will flash.
- Thereafter, every time movement is detected by CBU-BMPIR17MSW 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 APP.
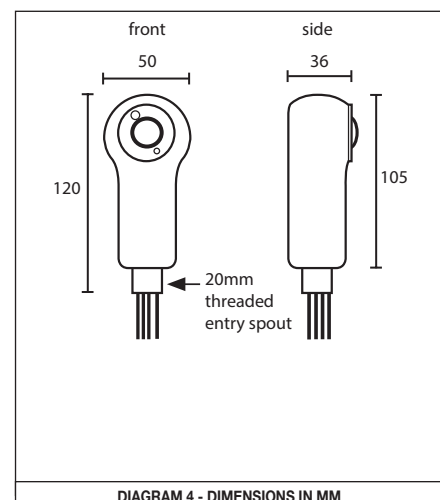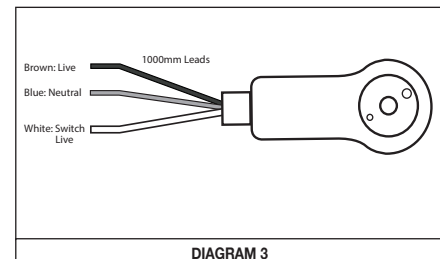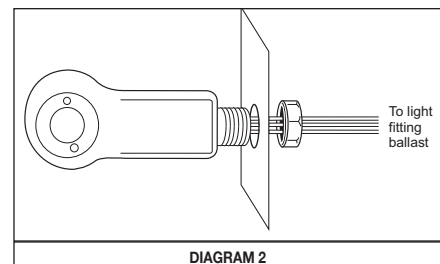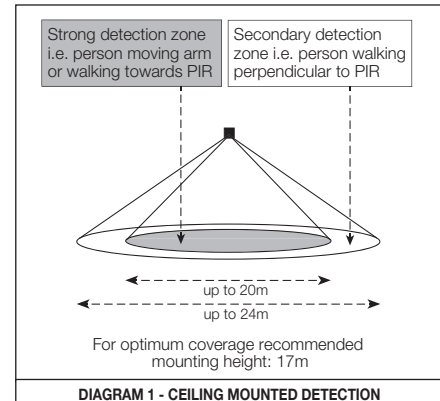
PRECAUTIONS

- Do not place the CBU-BMPIR17MSW 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-BMPIR17MSW.
- The CBU-BMPIR17MSW should be protected by a suitable fuse.
- **Disconnect the CBU-BMPIR17MSW from the circuit before performing insulation testing of the wiring circuit.**

5 YEAR WARRANTY

CBU-BMPIR17MSW comes with a 5 year warranty from the date of manufacture and is CE marked.

TECHNICAL DETAILS

INPUT	
Voltage:	100-240 Vac
Frequency:	50/60Hz
Max. mains current:	20mA
Standby current:	14mA

LOADING	
Fluorescent lamps:	2A (450W)
Incandescent or mains halogen:	2A (450W)
LED lamps and drivers (PF ≥ 0.95):	2A (450W)

RADIO TRANSCEIVER	
Operating frequencies:	2.4... 2,483 GHz
Max. output power:	+4 dBm

LUX PARAMETERS	
Range:	5 - 2000 lux (on face of product)

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.

POWER SUPPLY CONNECTORS	
Wire strip length:	6-7mm

MECHANICAL DATA	
Dimensions:	120mm x 50mm x 36mm
Weight:	95g (unpacked)
Degree of protection:	IP50
Protection class:	Double Insulated
Material (casing)	Flame-retardant polycarbonate/ Polypropylene.
Finish / Colour	Opaque /White (RAL 9003)

CONFORMITY AND STANDARDS

EMC emission:
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

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

Strong detection zone i.e. person moving arm or walking towards PIR	Secondary detection zone i.e. person walking perpendicular to PIR

up to 20m
up to 24m

For optimum coverage recommended mounting height: 17m

DIAGRAM 1 - CEILING MOUNTED DETECTION

To light fitting ballast

DIAGRAM 2

Brown: Live — 1000mm Leads
Blue: Neutral
White: Switch Live

DIAGRAM 3

front   side
50   36
120   105

20mm threaded entry spout

DIAGRAM 4 - DIMENSIONS IN MM

UKCA CE

DANLERS