CP electronics EBMPIR-MB-DD Mini PIR Detector for Luminaire Integration Installation Guide
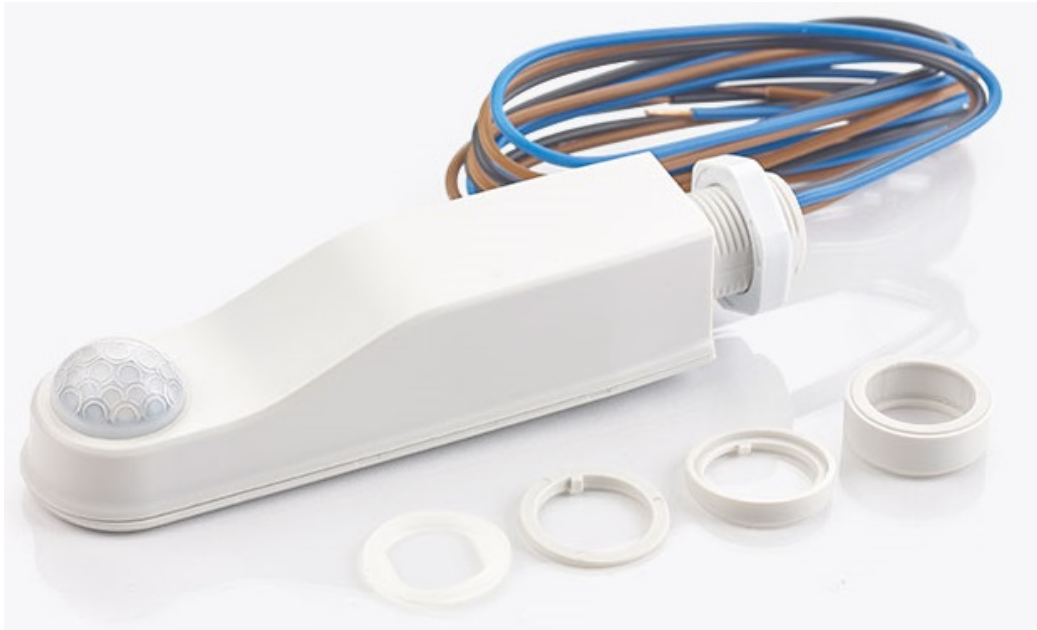
CP electronics EBMPIR-MB-DD Mini PIR Detector for Luminaire Integration Installation Guide
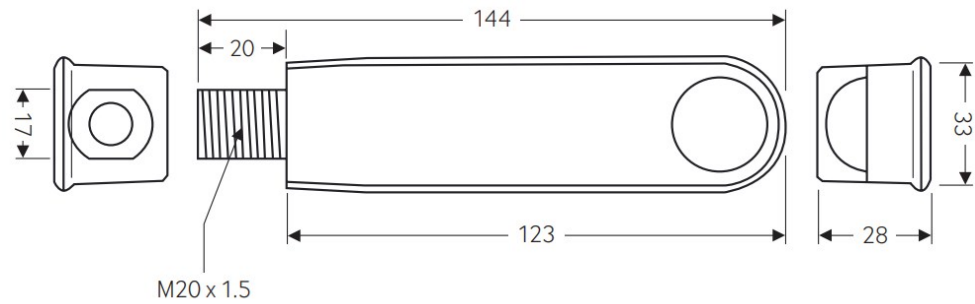
Contents

EBMPIR-MB-DD

DALI/DSI digital dimming, miniature, luminaire mounted, PIR, presence detector

⚠️ **Warning**
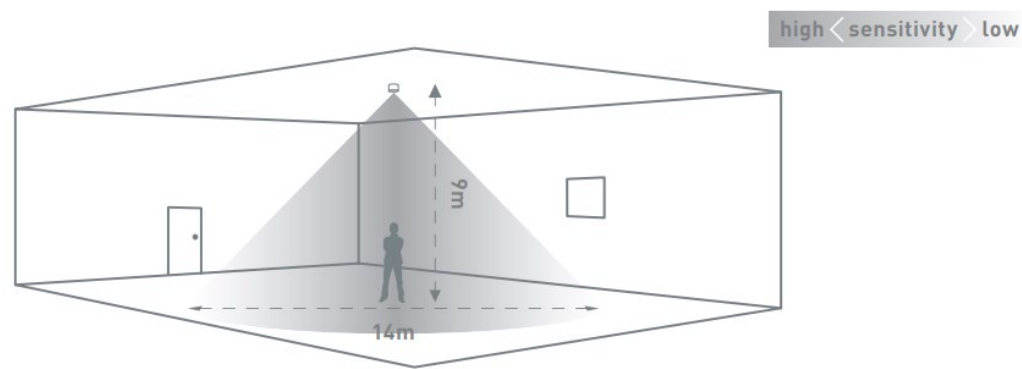
This device should be installed by a qualified electrician in accordance with the latest edition of the IEE wiring regulations

Dimensions (mm)

M20 x 1.5

Downloads and Videos
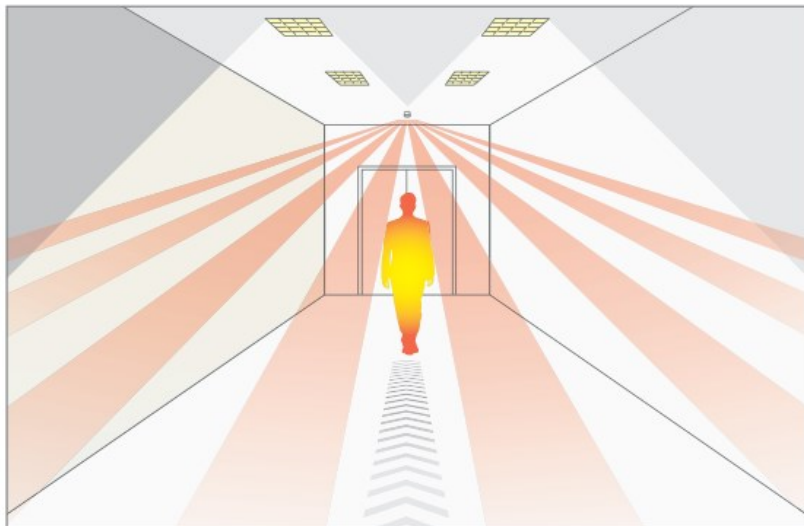
Detection pattern

high ⟨ sensitivity ⟩ low

9m

14m

Walk across

Height	Range Diameter
9m	14m
7m	13m
5m	11m
3m	8m

Walk towards

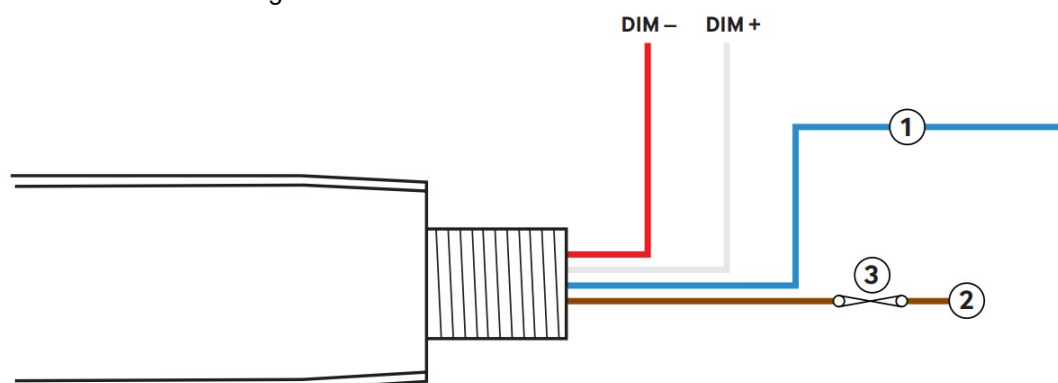| Height	Range Diameter
9m	7m
7m	7m
5m	7m
3m	5m

Walk towards & walk across explained

cpelectronics.co.uk/cp/wta

Wiring

⚠️ **Dimming ouputs**

Basic insulation only. Although low voltage, this is not an SELV output and should be treated as if mains potential. Use mains rated wiring.
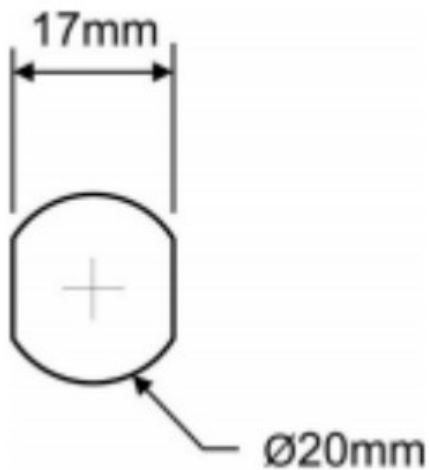
Key

1. Neutral
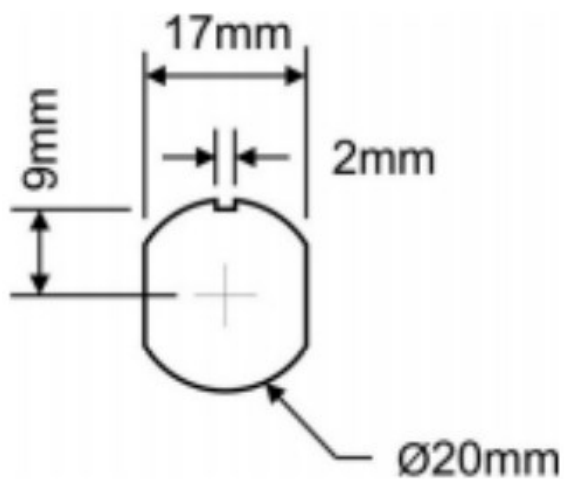2. Live
3. 10A circuit protection if required

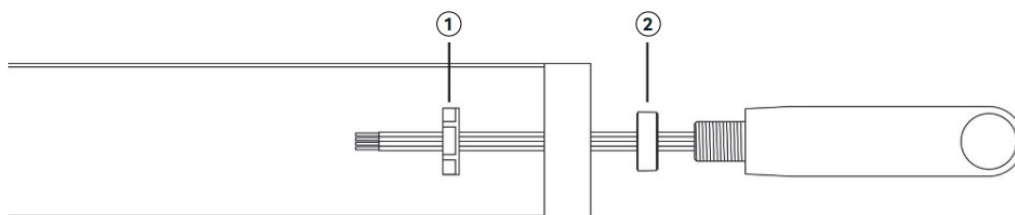## Standard luminaire fitting

Cut mounting hole

Mounting without key

Mounting with key.

Note: Key to be at the top of the sensor

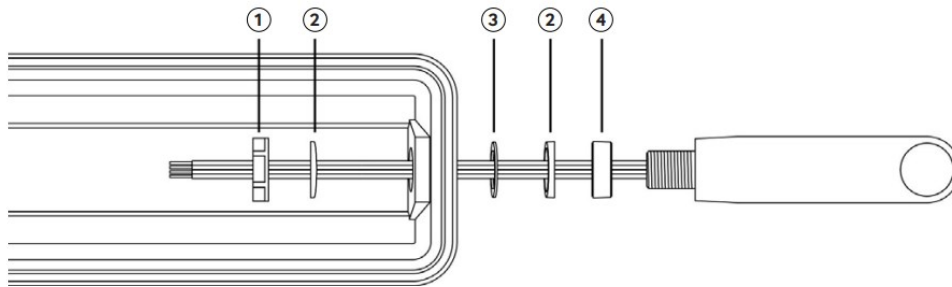## Wire in plugs & connect to detector

Key

1. M20 nut
2. IP spacer

IP luminaire fitting

Wire in plugs & connect to detector

Key

1. M20 nut
2. 5° washer (optional)
3. Silicone washer
4. IP spacer
     - Note: Use the 5° spacers where the luminaire has a draft angle.
     - Ensure that the silicone washer and/or IP spacer are used to maintain IP rating.

Default Settings

- **Time out:** 20 minutes.
- **LUX on level:** 9
- **LUX off level:** 9
- **Sensitivity:** 9
- **Detection:** Presence

Adjustments can be made using the optional UHS5 or UNLCDHS handsets.

Technical Data

Part code EBMPIR-MB-DD
Weight: 0.100kg
Supply voltage AC: 230 VAC +/- 10%
Supply frequency: 50Hz
Power consumption parasitic: 516mW

Max load:

Incandescent lighting: N/A
Fluorescent lighting: N/A
Compact fluorescent lighting: N/A
LED lighting: N/A

Cable specification: 1m 1/1.13 solid core cable 105ºC
Number of drivers/ ballasts: Up to 4
SON lighting: Switch loads via a contactor
Working temperature range: -10 to 35°C
Humidity: 5 to 95% non- condensing
Material (casing): Flame retardant ABS/PC
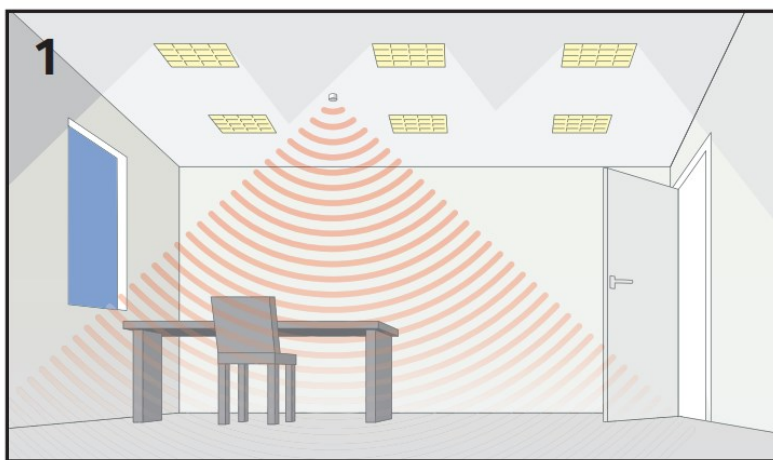**Insulation class:** 2
IP rating: 65
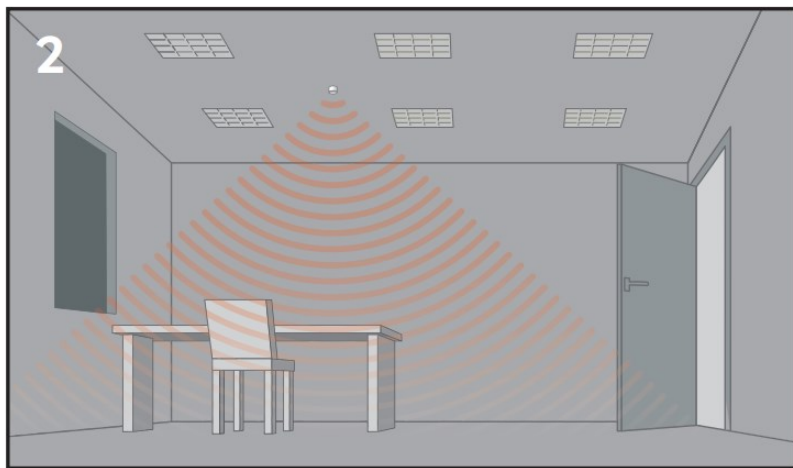**Compliance:** CE EMC-2014/30/EU LVD-2014/35/EU
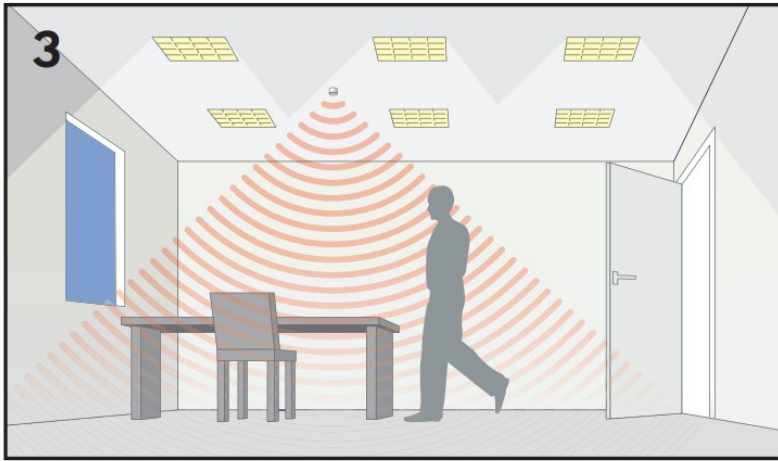
Testing

Presence Detection

1. Power up the sensor. The load should come on immediately.

2. Vacate the room or remain very still and wait for the load to switch off (this should take less than 20 minutes).

3. Enter the room or make some movement and check that the load switches on.

Accessories & associated products

Part Numbe:

- **UHS5**

- **UHS7**

- **UNLCDHS**

Description

Compact, programming/commissioning handset

Compact, user handset

Universal LCD IR handset/commissioning handset

	CP Electronics A Business unit of Ligand Electric Limited, Brent Crescent, London NW10 7XR, UK t. +44 (0)333 900 0671 **enquiry@cpelectronics.co.uk**	ISO 9001 Quality Management FM 45789 ISO 14001 Environmental Management EMS 534520 ISO 45001 Occupational Health and Safety Management OHS 642036
www.cpelectronics.co.uk	connect with us	**ESTA** energy services and technology association

Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.

Documents / Resources

	CP electronics EBMPIR-MB-DD Mini PIR Detector for Luminaire Integration [pdf] Installation Guide EBMPIR-MB-DD Mini PIR Detector for Luminaire Integration, EBMPIR-MB-DD, Mini PIR Detector for Luminaire Integration, Mini PIR Detector, PIR Detector, Detector

References

- **Technical Guides | Support Library | CP Electronics**
- **Walk Towards and Walk Across explained | Knowledge Hub | CP Electronics**
- **Presence Detectors and Energy Efficient Lighting Control Systems | CP Electronics**

Manuals+,