CP Electronics EBMPIR-MB-DD Mini PIR Detector for Luminaire Integration Batten Mount Installation Guide

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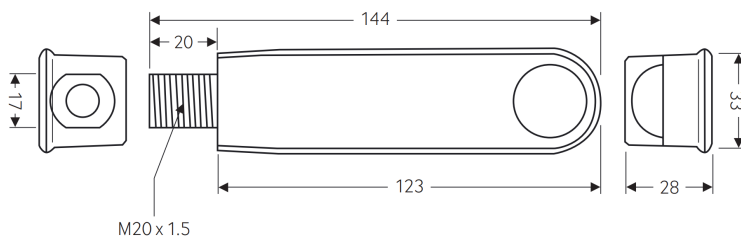DALI/DSI digital dimming, miniature, luminaire mounted, PIR, presence detector

![Warning symbol] **Warning**

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

Contents

Dimensions (mm)

Downloads and Videos

cpelectronics.co.uk/cp/938

Detection pattern

high sensitivity low
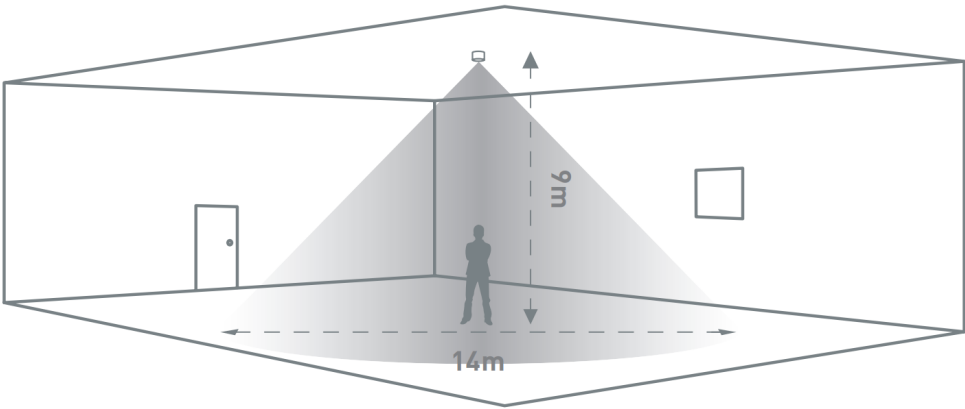
Walk across

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

Walk towards"
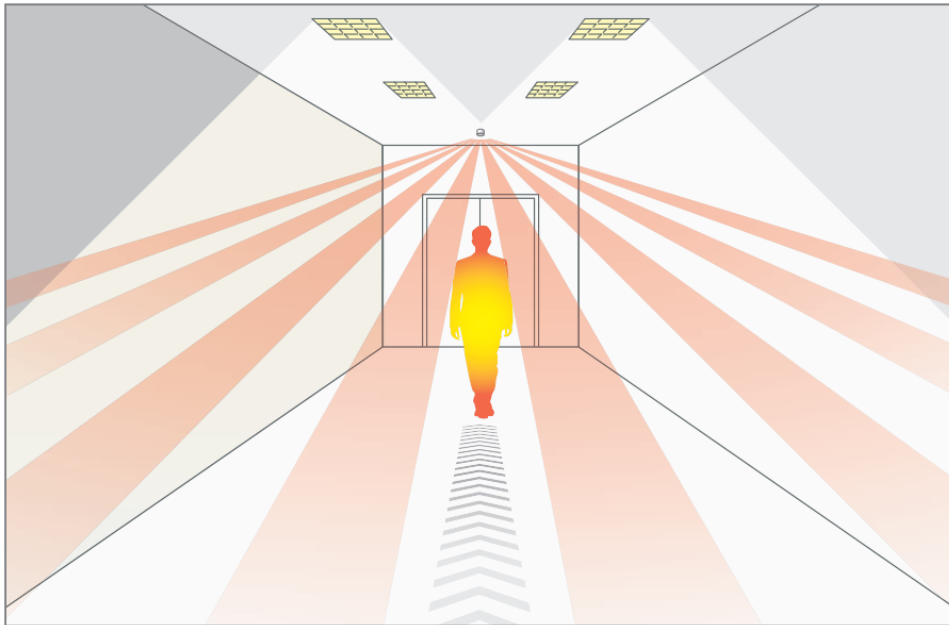
Height	Range Diameter
9m	7m
7m	7m
5m	7m
3m	5m

Walk towards & walk across explained
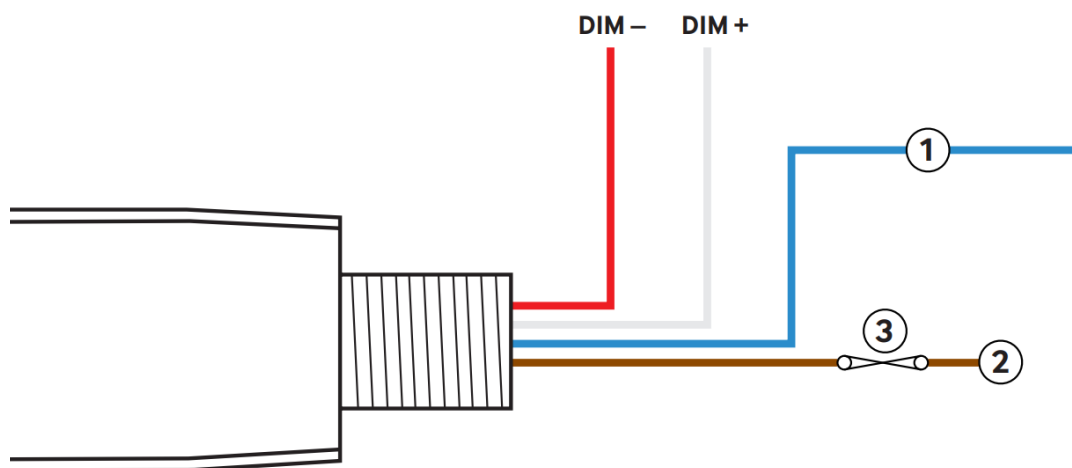

cpelectronics.co.uk/cp/wta

Wiring

⚠️Dimming outputs

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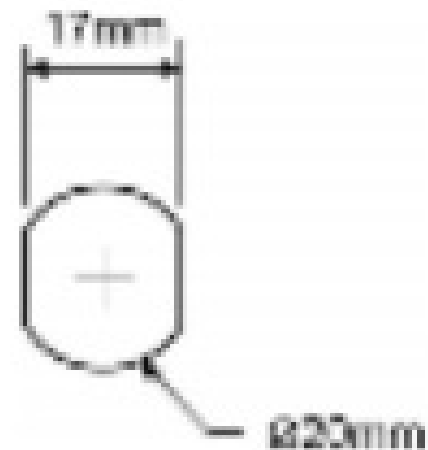
DIM −   **DIM +**
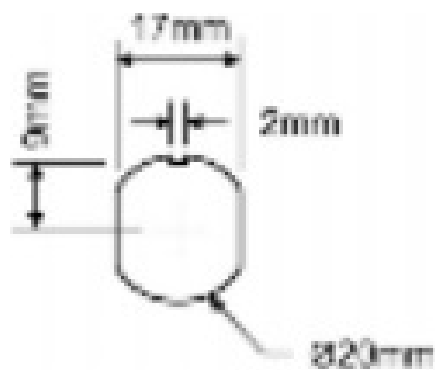
Key

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

Standard luminaire fitting

Cut mounting hole
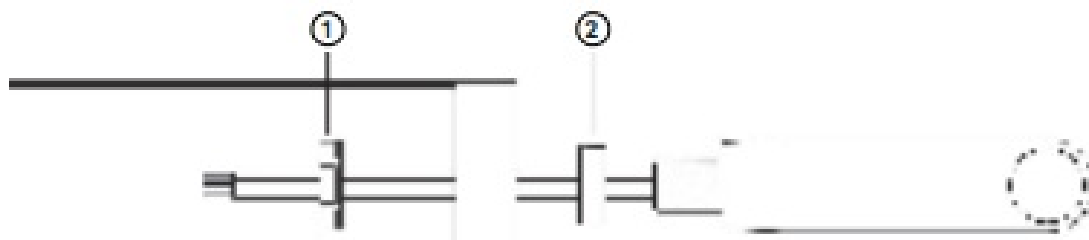
Mounting without key

17mm

Ø20mm

Mounting with key. Note: Key to be at the top of the sensor

17mm

2mm

9mm

Ø20mm

Wire in plugs & connect to detector
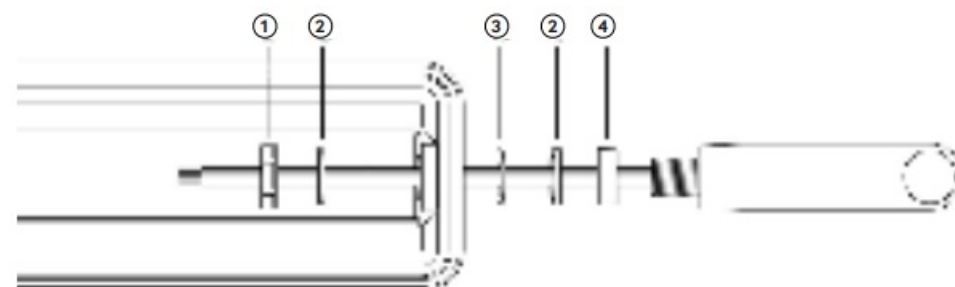

Key

1. M20 nut
2. IP spacer

Lynda

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% noncondensing
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.
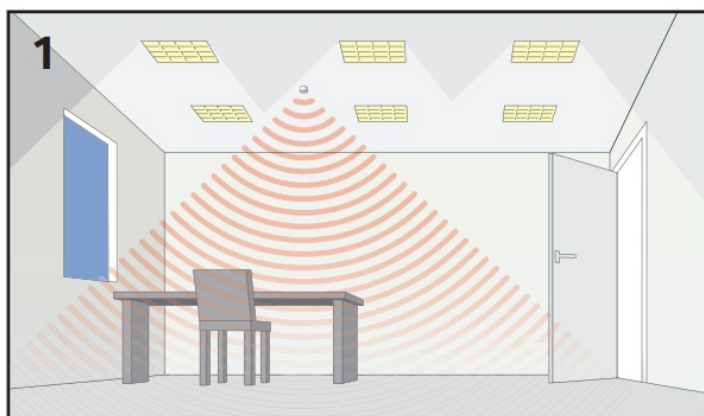
2. Vacate the room or remain very still and wait for the load to switch off (this should take less than 20 minutes).
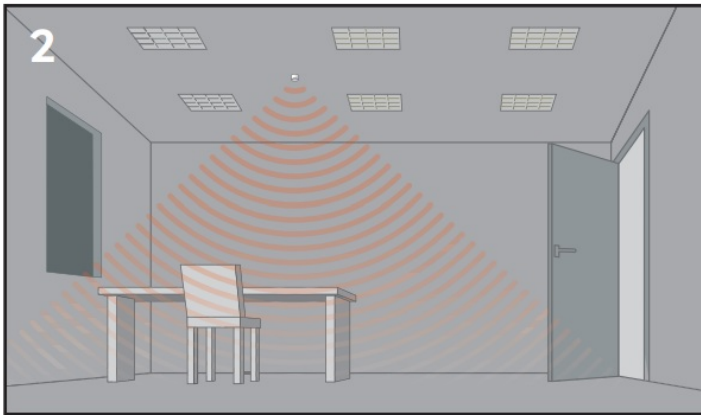
3. Enter the room or make some movement and check that the load switches on.
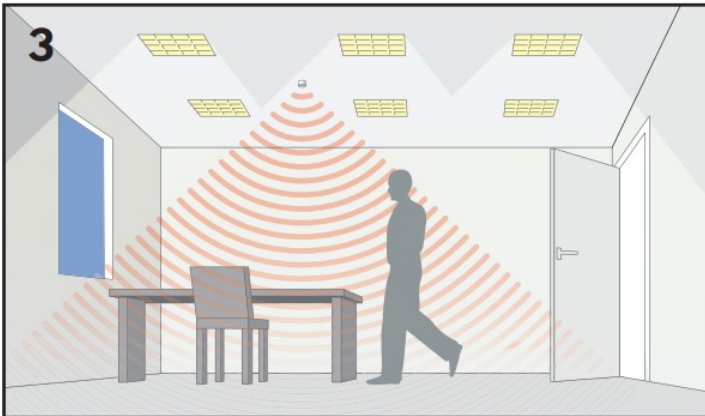
Accessories & associated products

Part Number	Description
UHS5	Compact, programming/commissioning handset
UHS7	Compact, user handset
UNLCDHS	Universal LCD IR handset/commissioning handset

CP electronics ENERGY CONTROLS	CP Electronics A Business unit of Legr and Electric Limited, Brent Crescent, London NW10 7XR, UK t. +44 (0)333 90 0 0671 enquiry@cpelectronics.co.uk	bsi. ISO 9001 Quality Management / ISO 14001 Environmental Management / ISO 45001 Occupational Health and Safety Management FM 45789 EMS 534520 O HS 642036
www.cpelectronics.co.uk	[Twitter] [LinkedIn] [Facebook] [YouTube] connect with us	≡ESTA **energy services and technolog y association**

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

WD938 Issue 6 Installation Guide, EBMPIR-MB-DD   A brand of * legrand

Documents / Resources

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

References

- [CP] **Home | Legrand**
- [CP] **Home | Legrand**
- [CP] **CP Electronics | Brands | Legrand United Kingdom**