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

WD939 Issue 5 Installation Guide
EBMPIR-MB-PRM
Mini PIR Detector for Luminaire Integration (Batten Mount)

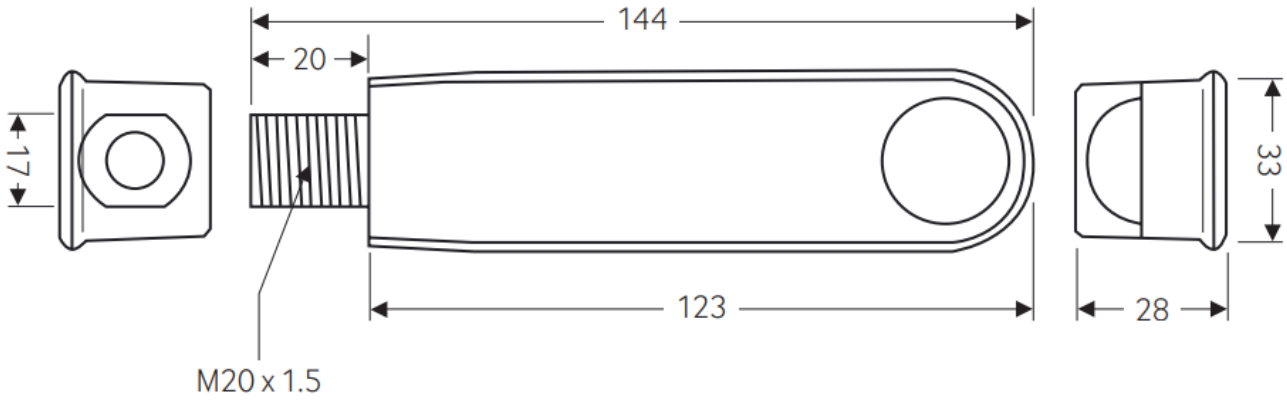
Contents

EBMPIR-MB-PRM Mini PIR Detector for Luminaire Integration

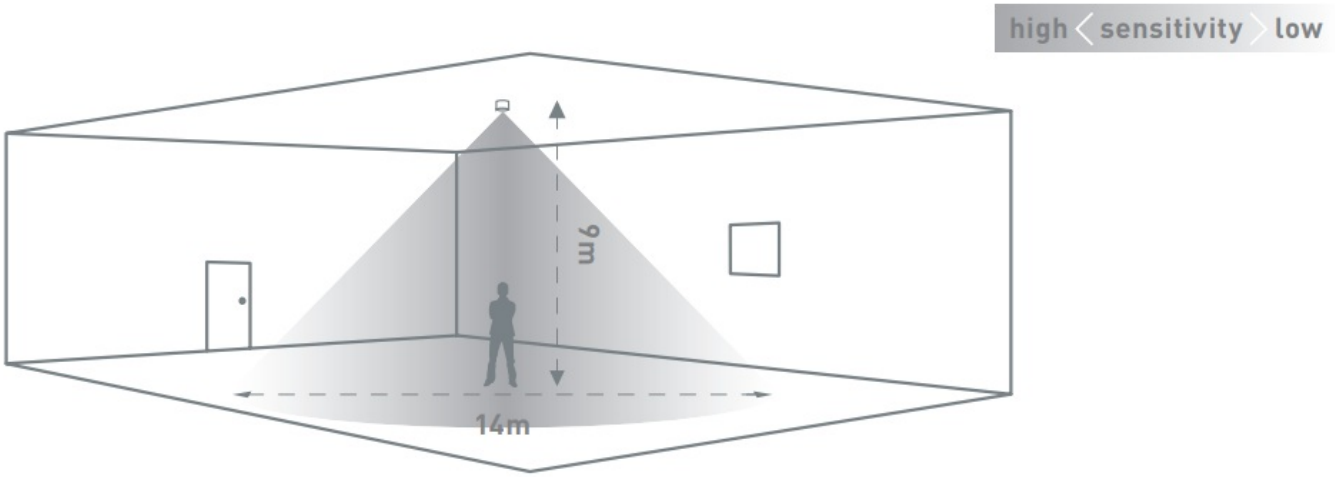
EBMPIR-MB-PRM
PRM switching, miniature, luminaire mounted, PIR, presence detector

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

Dimensions (mm)



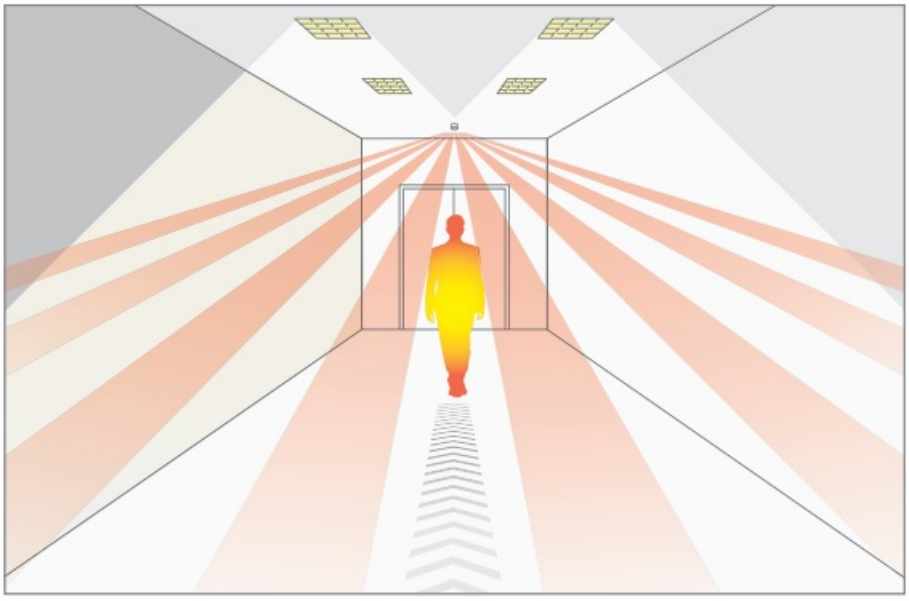
Detection pattern



Walk across

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

Walk towards

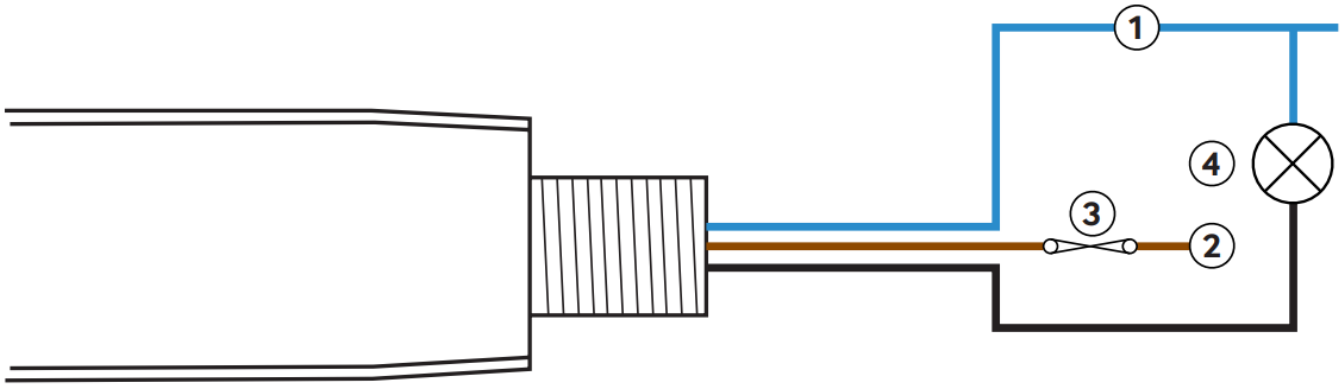


Height	Range Diameter
9m	7m
7m	7m
5m	7m
3m	5m

Wiring

⚠Dimming ouputs

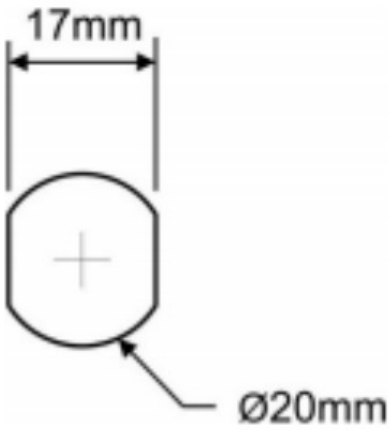
Basic insulation only. Although low voltage, this is not an SELV output and should be treated as if mains potential. Use mains rated wiring.



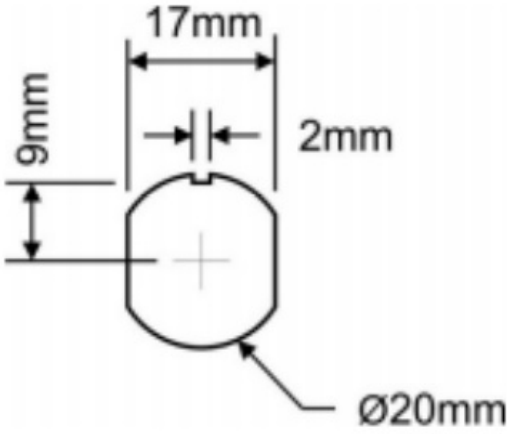
Key

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

Standard luminaire fitting

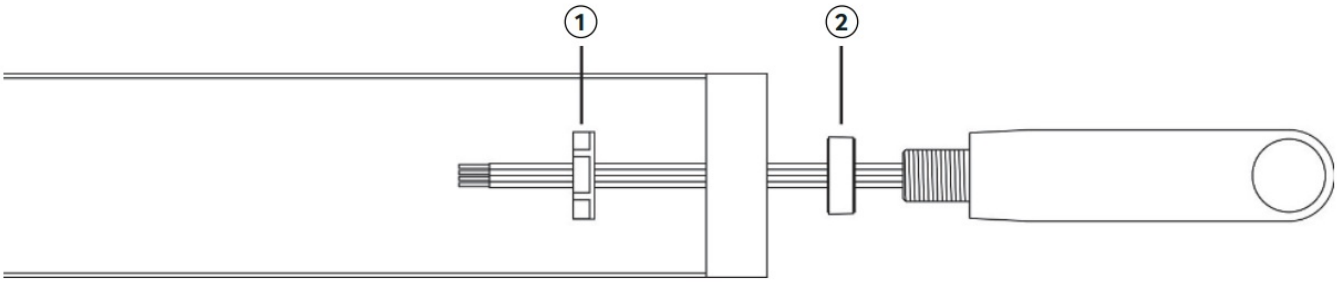


Mounting without key



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

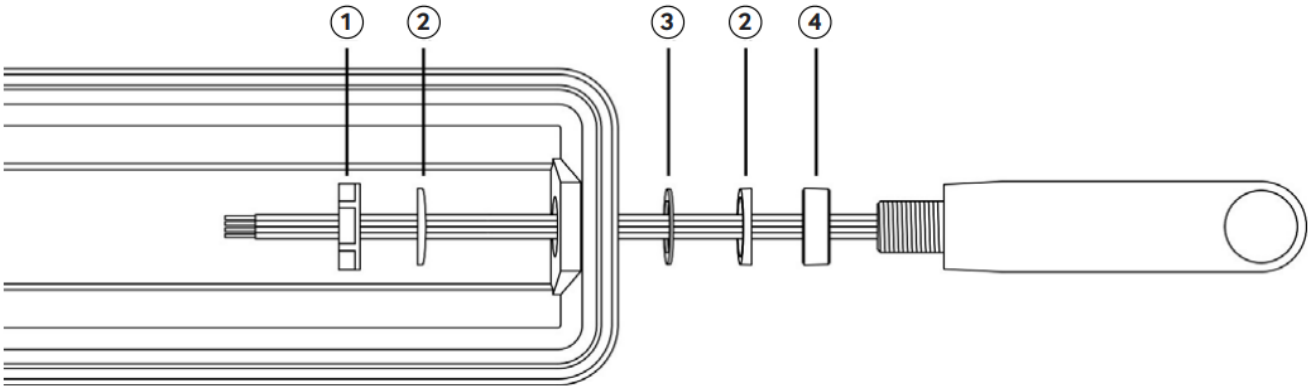
Wire in plugs & connect to detector



Key

1. M20 nut
2. IP spacer

IP luminaire fitting



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.

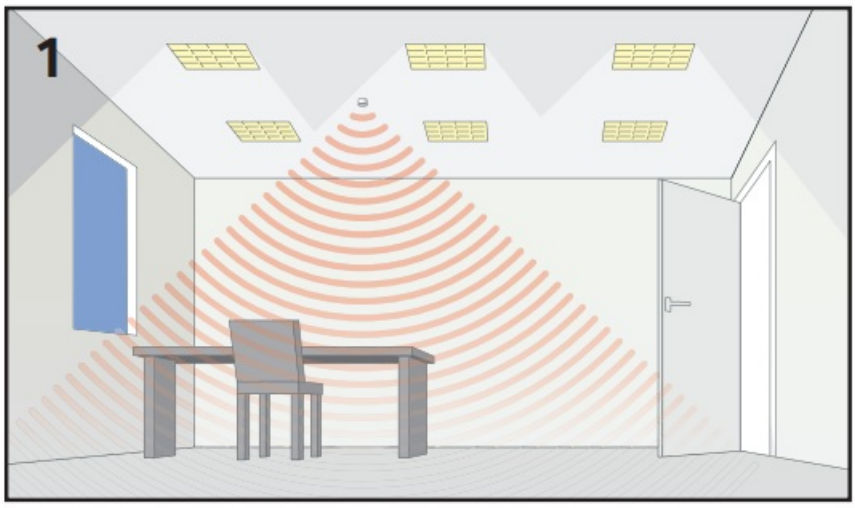
Technical Data

Part code	EBMPIR-MB-PRM
Weight	0.100kg
Supply voltage AC	230 VAC +/- 10%
Supply frequency	50Hz
Power consumption parasitic	807mW
Max load:	
Incandescent lighting	2A
Fluorescent lighting	2A
Compact fluorescent lighting	2A
LED lighting	2A
Cable specification	1m 1/1.13 solid corecable 105ºC
SON lighting	Switch loads via a contactor
Working temperature range	-10 to 35ºC
Humidity	5 to 95% noncondensing
Material (casing)	Flame retardant ABS/PC
Insulation class	2
IP rating	65
CE Compliance	EMC-2014/30/EU LVD-2014/35/EU

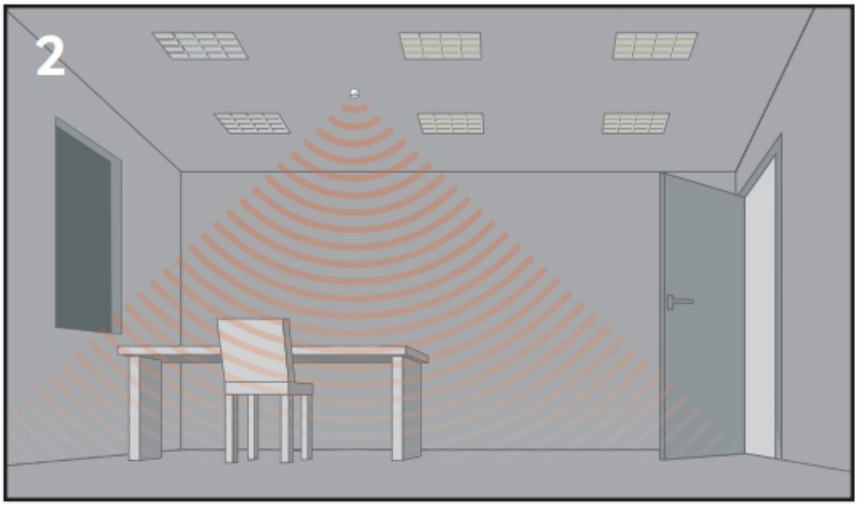
Testing

Presence Detection

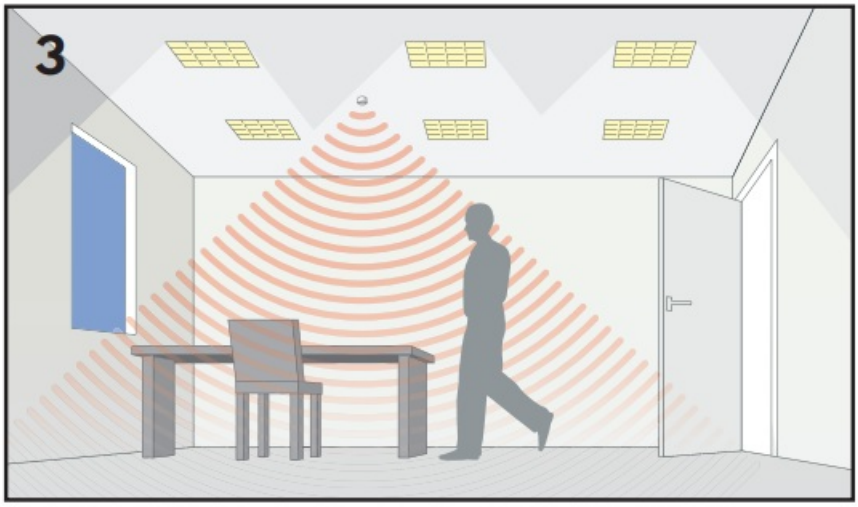
1. Power up the sensor. The load should come on immediately.



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
UHS7 	Compact, user handset
UNLCDHS 	Universal LCD IR handset

CP electronics ENERGY CONTROLS	CP Electronics A Business unit of Legrand Electric Limited, Brent Crescent, London N W10 7XR, UK t. +44 (0)333 900 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 OHS642036
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.
WD939 Issue 5 Installation Guide, EBMPIR-MB-PRM

A brand of legrand®

20923
Walk towards & walk across explained

cpelectronics.co.uk/cp/wta

Documents / Resources

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