



CP electronics EBMPIR-MB-AD-LT30 Ceiling Mounted PIR Presence Detectors Installation Guide

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**WD966 Issue 4 Installation Guide
EBMPIR-MB-AD-LT30
Mini PIR Detector for Luminaire Integration (Batten Mount)**

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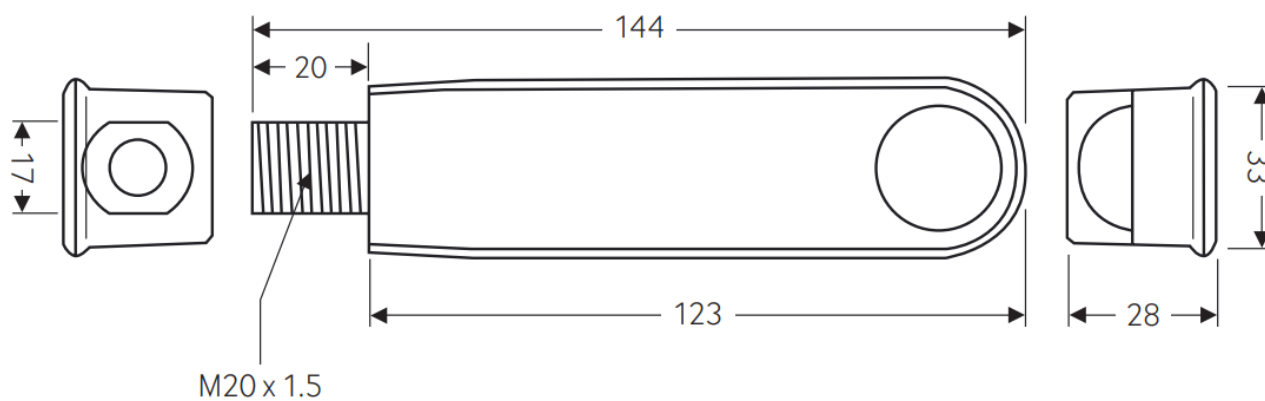
EBMPIR-MB-AD-LT30

1–10V analogue dimming, miniature, low temp, luminaire mounted, PIR, presence detector



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

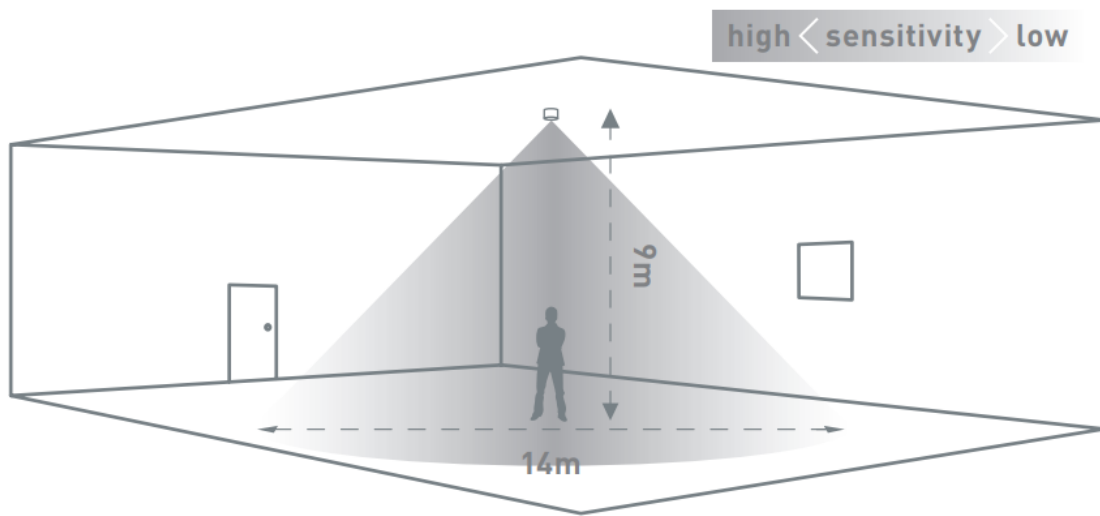
Dimensions (mm)



Downloads and Videos



Detection pattern

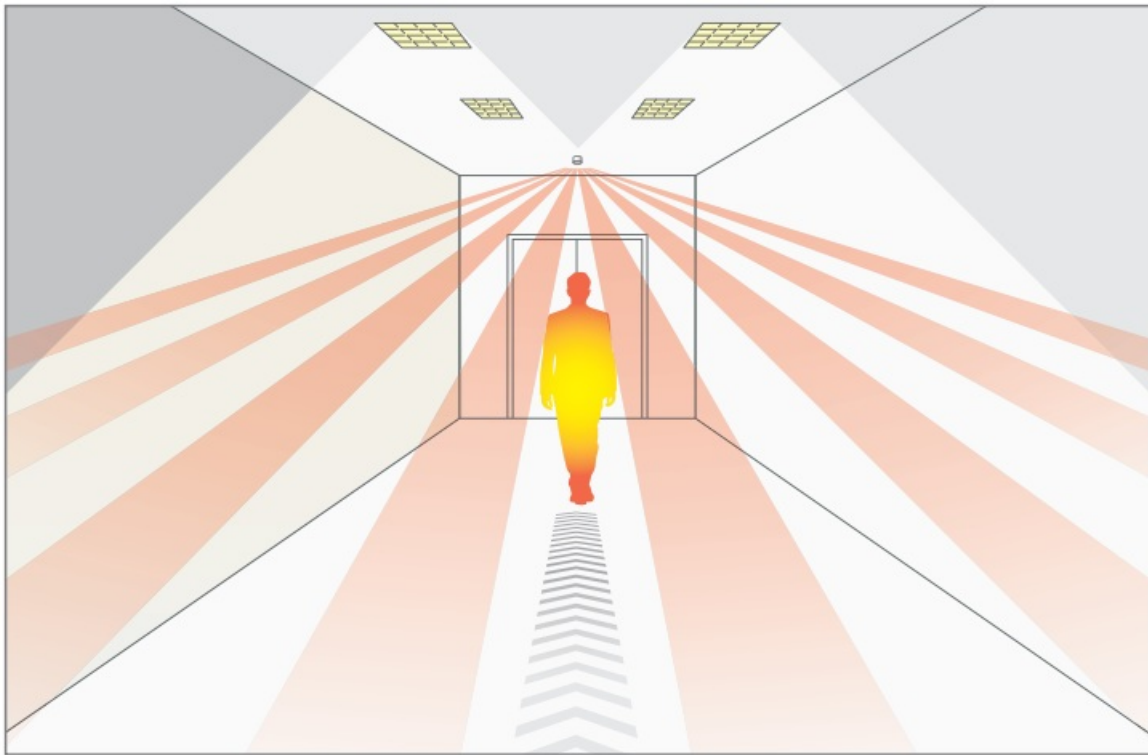


Walk across



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

Walk towards



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

Walk towards & walk across explained



cpelectronics.co.uk/cp/wta

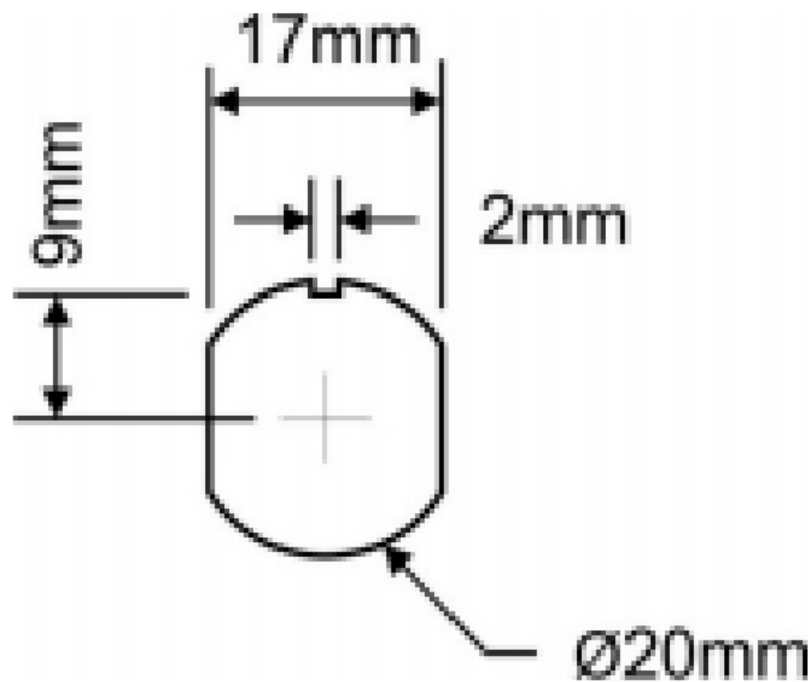


Wiring

Dimming outputs

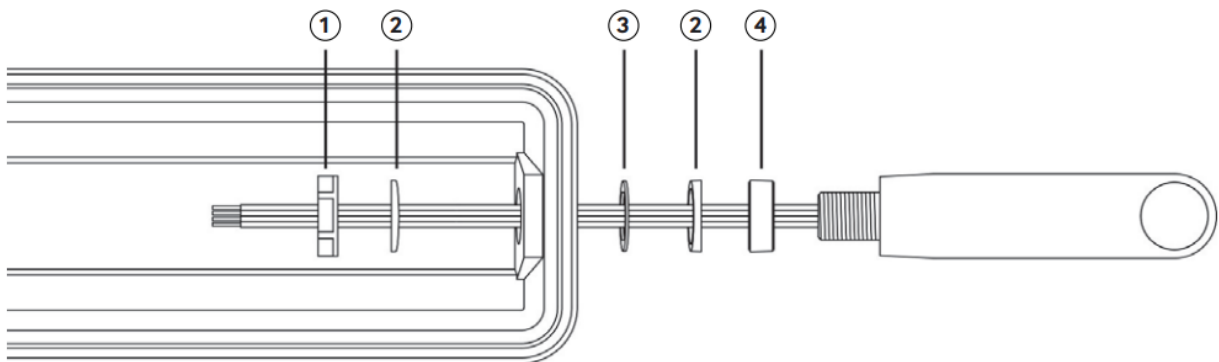
Basic insulation only. Although low voltage, this is not an SELV output and should be treated as if mains potential. Use mains rated wiring.

Mounting without key



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

Wire in plugs & connect to detecto



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

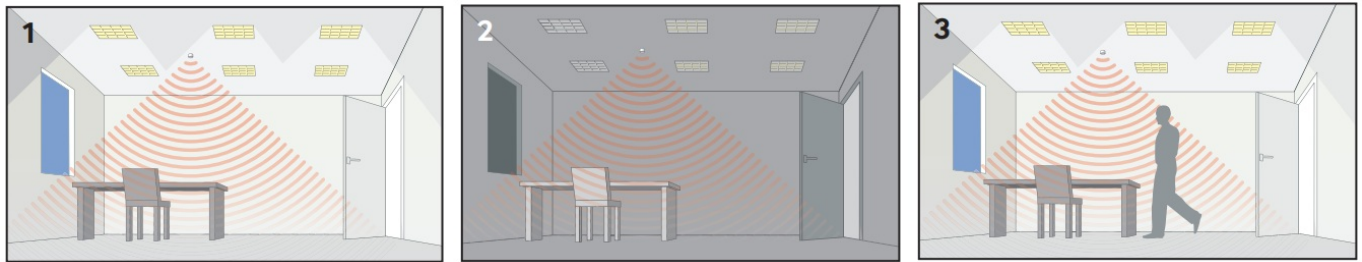
Sensitivity: 9

Detection: Presence

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


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.

Technical Data

Part code	EBMPIR-MBAD-LT30
Weight	0.100kg
Supply voltage AC	230 VAC +/- 10%
Supply frequency	50Hz
Power consumption parasitic	817mW
Max load:	
Incandescent lighting	2A
Fluorescent lighting	2A
Compact fluorescent lighting	2A
LED lighting	2A
Resistive heaters	2A
Cable specification	1m 1/1.13 solid core cable 105°C
Number of drivers/ballasts	Up to 4
SON lighting	Switch loads via a contactor
Working temperature range	-30 to 35°C
Humidity	5 to 95% noncondensing
Material (casing)	Flame retardant ABS/PC
Insulation class	2
IP rating	65
Compliance 	EMC-2014/30/EU LVD-2014/35/EU

Accessories & associated products

Description

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



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

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Documents / Resources



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