

EBDSPIR | Compact, flush mounted, ceiling PIR presence detectors



These compact PIR detectors provide automatic control for lighting, heating and ventilation loads. The PIR sensor can be mounted either flush into a ceiling tile or using a surface mounting box.

Key Product Features:

- Low profile design
- Self contained unit
- Pluggable
- Infrared programmable
- 5 year warranty included

Available control methods

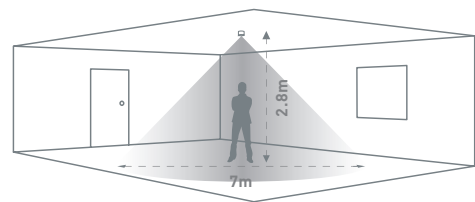
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming
- KNX

Available options

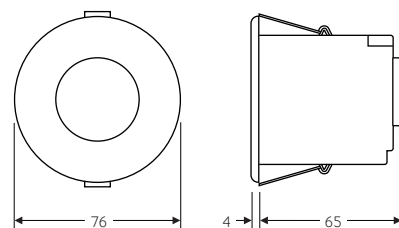
- LT30 – Low temperature
- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel
- 2CH-NC – 2 channel normally closed for fail safe applications

Detection pattern

high < sensitivity > low










Dimensions (mm)



Technical Data

Part Code	EBDSPIR-PRM	EBDSPIR-DD	EBDSPIR-AD
Control method	PRM Switching	DALI/DSI Digital Dimming	1–10V Analogue Dimming
IP rating	40	40	40
Device/ballast control		up to 20 drivers/ballasts	up to 10 drivers/ballasts
Weight (kg)	0.15	0.15	0.15
Supply voltage AC	230 VAC +/- 10%	230 VAC +/- 10%	230 VAC +/- 10%
Supply Frequency (Hz)	50	50	50
Power consumption parasitic mW	895mW	807mW	260mW
Terminal capacity	2.5mm ²	2.5mm ²	2.5mm ²
Maximum loads			
Incandescent lighting (INC)	10A	10A	10A
Fluorescent lighting (F)	10A	10A	10A
Compact fluorescent lighting (CF)	10A	10A	10A
LED lighting (LED)	10A	10A	10A
Resistive heaters (RH)	10A	10A	10A
Working temperature range °C	-10 to 35	-10 to 35	-10 to 35
Humidity	5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing
Material (casing)	Flame retardant ABS and PC/ABS	Flame retardant ABS and PC/ABS	Flame retardant ABS and PC/ABS
Insulation class	Class 2	Class 2	Class 2
Compliance	EMC-2014/30/EU LVD-2014/35/EU	EMC-2014/30/EU, LVD-2014/35/EU	EMC-2014/30/EU, LVD-2014/35/EU
Time out range	10s–99m	10s–99m	10s–99m
Cutout diameter	64mm	64mm	64mm

 <p>www.cpelectronics.co.uk</p>	<p>CP Electronics A Business unit of Legrand Electric Limited. Brent Crescent, London NW10 7XR, UK t. +44 (0)333 900 0671 info@cpelectronics.co.uk</p> <p>connect with us    </p>	<p>Important notice: This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and the applicable Building Regulations.</p> <p>Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.</p> <div style="text-align: right;">   </div>
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