

EBDSPIR-DD | DALI/DSI digital dimming, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector



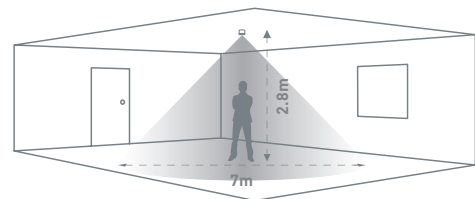
These compact PIR detectors provide automatic control for lighting, heating and ventilation loads. The PIR sensor can be mounted either flush into a ceiling tile or using a surface mounting box.

Key Features:

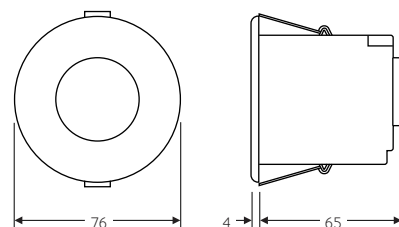
- Low profile design
- Self contained unit
- Pluggable
- Switching/Dimming with Lux Level Sensing
- Programmable via our programming handset
- Absence detection functionality
- Suitable for all lighting types
- Two channel flexibility
- Range up to 7m at 2.8m mounting height
- Infrared programmable
- Programmable via our UHS5 or UNLCDHS infrared handsets
- User handset available to control on/off, lux levels and preset scenes
- Flush or surface mounted with DBB accessory
- 5 year warranty

Detection pattern


high < sensitivity > low











Dimensions (mm)



Technical Data

Part Code	EBDSPIR-DD	
Control method	DALI/DSI digital dimming	
Weight	0.150kg	
Supply voltage AC	230 VAC +/- 10%	
Supply frequency	50Hz	
Power consumption parasitic	807mW	
Terminal capacity	2.5mm ²	
Maximum loads		
Incandescent lighting	10A	
Fluorescent lighting	10A	
Compact fluorescent lighting	10A	
LED lighting	10A	
Resistive heaters	10A	
Number of drivers/ballasts	Up to 10, or 20 with relay disabled	
Light detection range	Usable 15-950 Lux	
Time out range	10s-99m	
Working temperature range	-10 to 35°C	
Humidity	5 to 95% non-condensing	
Material (casing)	Flame retardant ABS and PC/ABS	
Insulation class	2	
IP rating	40	
Compliance		EMC-2014/30/EU LVD-2014/35/EU

Accessories and Associated Products

Part Number	Description
 UHS5	Compact, programming/ commissioning handset
 UHS7	Compact, user handset
 UNLCDHS	Professional, programming/ commissioning LCD handset
 EBD-ENCIP1	Pre-drilled 64mm hole detector adapter enclosure
 EXD-HSC	Extended wiring housing
 EBDSPIR-MS	Masking shields for EBDSPIR range
 DBB	Surface mount back box for 76mm diameter detectors and light level controls
 DBB-EXT	Surface mount back box extender for 76mm diameter detectors and light level controls



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