

EBDHS-B01-DD | DALI digital dimming, high bay/high level, photo-optic window for light sensor & IR communications, PIR presence detector, specifically for integration with an enclosure or a luminaire



The EBDHS-B01 is a high performance PIR presence detector developed for mid bay to high bay lighting control applications.

The EBDHS-B01 detector has a photo-optic window that positions the light sensor and IR communications module externally. This change in the design improves the performance of the light sensor by providing a 60° field of view which enhances light level detection accuracy. The design also improves IR communication with READBACK upto 16m. These features combined with new improved firmware enables overall installation and commissioning much easier and faster.

The fresnel lens and high-performance pyro combine to provide a wide detection pattern and high sensitivity within the detection zone.

Two models are available: switching (PRM) and DALI/DSI dimming (DD) both of which offer a wide variety of functionality and can control a wide range of luminaires.

Key Features for (DD) Digital Dimming:

- Time delay function
- Programmable via our programming handset
- Dimming functionality
- Step-down illuminance
- Maintained Illuminance (daylight linking or daylight harvesting)
- Suitable for all lighting types
- User handset available to control on/off, lux levels and preset scenes






Key Features:

- Impressive detection range of up to 32m walk across and 20m walk towards at 15m mounting height
- Maximum mounting height of 16m dependent on operating parameters
- Out of the box integration into an enclosure or a luminaire for quick installation
- A wide array of built-in lighting control functionality to suit a variety of application needs
- Ideal for warehouse, industrial, airport infrastructure and other large area high ceiling buildings
- Adjustable masking shields available as an optional accessory for tailored detection zones
- 5-year warranty included
- IP40 rated
- Manufactured in the UK

Technical Data

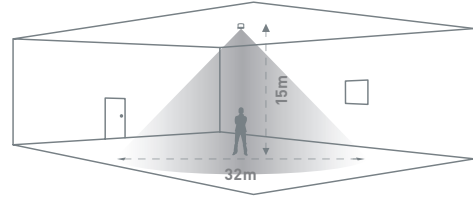
Part code	EBDHS-B01-DD
Weight	0.2kg
Supply voltage AC	230 VAC +/- 10%
Power consumption	Typical 1.5VA
Supply frequency	50Hz
Circuit protection	<=10A MCB Type B
Terminal capacity	2.5mm ²
Light detection range	Usable 15-950 Lux
Max DALI dim load	Up to 10 drivers
Time out range	10s-99m
Rated impulse voltage	2500V
Operational temperature	-20 to +35°C
Humidity	5 to 95% non-condensing
Material (casing)	Flame retardant ABS and PC/ABS
Insulation class	Class 2
IP rating	40
Compliance	CE EMC-2014/30/EU, LVD-2014/35/EU

Accessories and Associated Products

Part Number	Description
 EBDHS-DBB-WBRKT	Wall mount bracket for EBDHS range
 EBD-ENCIP1	Pre-drilled 64mm hole IP enclosure
 EXD-HSC	Extended wiring housing
 DBB	Surface mounting box
 EBDHS-MS	Masking shields
 EBDHS-MC	Mains Cable Clamp cover
 UHS5	Compact, programming/commissioning handset
 UNLCDHS	Universal LCD IR handset/commissioning handset

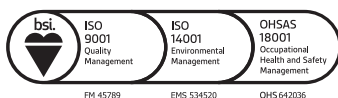
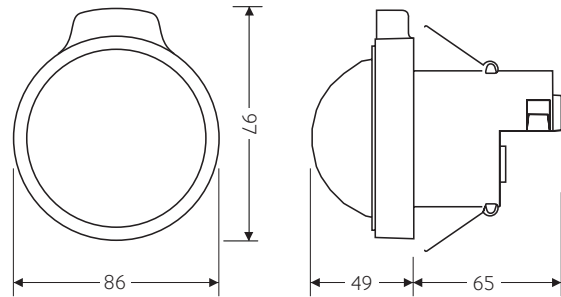
Detection pattern

high < sensitivity > low



Dimensions (mm)

Cut-Out 64mm



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connect with us

