

EBDMR-CB-DD | Casambi wireless, mid range, flush mounted, ceiling, PIR presence detectors



Casambi Technology Explained:

The Casambi technology provides a mesh network where all the intelligence of the system is replicated in every node and, in such a way, creates a system with no single point of failure. In this kind of fully distributed architecture, any unit can go offline and catch up from others when they return back online.

Wireless Features:

- Control a large number of fixtures from any point
- Simple to use UI
- Wide range of functionality – Grouping Luminaires, different lighting situations for different occasions, colour temperature, daylight sensor, occupancy sensor and much more.

Detector Features:

- Provides movement and daylight readings to the Casambi network
- Provides also output connections to convert or retrofit any lighting fixtures to become part of the Casambi smart lighting system
- Mid-range lens with concentric lens facets for improved detection
- DALI Dimming Output (Up to 10 Lighting Drivers)
- Built-in both switched relay and DALI dimming outputs
- 10A Relay Output
- Light Level Sensing
- Ideal for office and any general standard ceiling height applications
- 5-year warranty included.

Technical Data

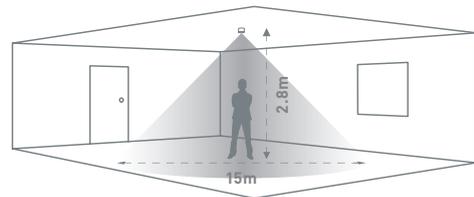
Part Code	EBDMR-CB-DD
Weight	0.2kg
Supply voltage AC	230 VAC +/- 10%
Supply frequency (Hz)	50Hz
Rated current	10A
Terminal capacity	2.5mm ²
Max switched load:	
Incandescent lighting	10A
Fluorescent lighting	10A
Compact fluorescent lighting	10A
LED lighting	10A
Resistive heaters	10A
Fans and ventilation equipment	10A
Tungsten Halogen	10A
Load inrush rating	200A for 300µs
Max DALI dim load	Up to 10 drivers
Light detection range	1-999 lux
Transceiver frequency	2.4GHz ISM band
Transceiver power	Up to 4 dBm output power and -93 dBm RX sensitivity
Rated impulse voltage	2500V
Purpose	Sensing control
Operational temperature	-20 to 35°C
Humidity	5 to 95% non-condensing
Material (casing)	Flame retardant ABS
Insulation class	Class 2
Cutout diameter	64mm
IP rating	40
Compliance	 RED-2014/53/EU, LVD-2014/35/EU

Accessories and Associated Products

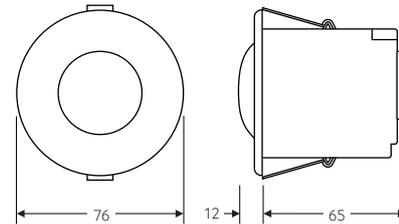
Part Number	Description
 DBB	Surface mount back box for 76mm diameter detectors and light level controls
 DBB-EXT	Surface mount back box extender
 EBDSPIR-MS	Masking shields for EBDSPIR range
 EBD-ENCIP1	Pre-drilled 64mm hole detector adapter enclosure
 EXD-HSC	Extended wiring housing

Detection pattern

high < sensitivity > low



Dimensions (mm)



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