

Key features

- Simple to install.
- Self-contained detector dramatically reducing installation time.
- Available in switching (PRM) direct dim (DD) & analogue dimming (AD)
- Infrared handset control for quick and easy set up.
- 5 year warranty included
- Manufactured in the UK



EBDSM

Surface Mounted PIR presence / absence detector

What it is

The EBDSDM range of detectors are a simple to install, aesthetically pleasing lighting control devices supplied with a sealing gasket which provides an IP54 rating allowing installation suitable in applications such as damp areas.



This self contained unit has a built in light level sensor which can determine light level within its detection range controlling lighting and offering energy efficiency to the area.

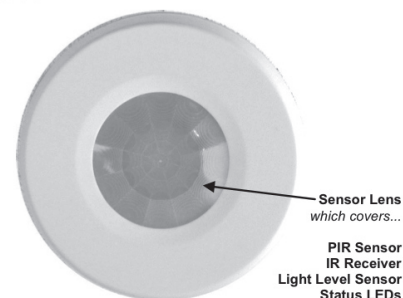
Simple to install, the EBDSDM has a rear and side cable entry giving option via conduit.

What it does

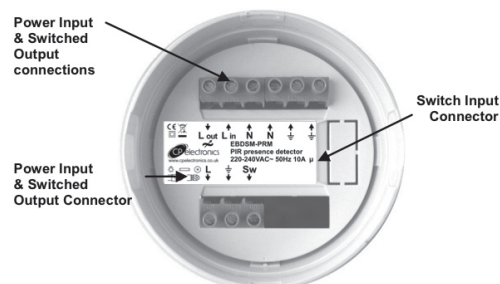
The EBDSDM is a range of surface mount detectors designed to automatically control lighting loads manually or via an infrared handset.

Operating as a presence detector the EBDSDM can turn lights on when a room is occupied and off when the room is empty.

Front features



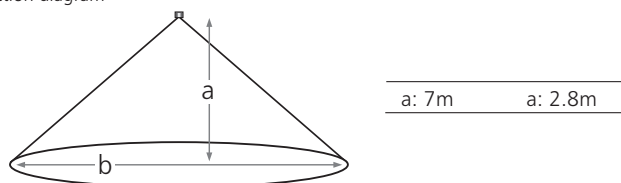
Back features



Technical specification EBDSM Surface Mounted PIR presence / absence detectors

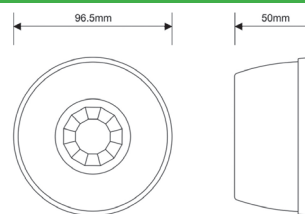
Performance data

Detection diagram



Mechanical data

Dimensions
Weight: 0.15kg



Electrical data

PRM

Supply Voltage 230V AC +/- 10%
Frequency 50Hz
Maximum load 10A (see Load rating note)
Power consumption On 875mW Off 895mW
Terminal Capacity 2.5mm²

AD

230V AC +/- 10%
50Hz
10A (see Load rating note)
On 724mW Off 260mW
2.5mm²

DD

230V AC +/- 10%
50Hz
10A (see Load rating note)
On 625mW Off 807mW
2.5mm²

Load rating

PRM - 10A of lighting and/or ventilation including incandescent and fluorescent.

AD - Maximum Load Channel 1 (switching): 10A of lighting and/or ventilation.

DD - Maximum Load Channel 1 (switching): 10A of lighting and/or ventilation including incandescent, fluorescent, compact fluorescent, low voltage (by switching the primary of transformer).

Channel 2 (dimming): Maximum number of DSI or DALI ballasts is 10 unless the relay is disabled then it is 20.

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

Environmental data

Temperature range -10°C to 35°C
Humidity 5 to 95% non-condensing
Material (casing) Flame retardant ABS and PC/ABS
Type PRM / DD Class 2 AD Class 3
IP Rating IP40 (no Gasket) IP54 with gasket

Compliance

EMC-2004/108/EC
LVD-2006/95/EC



Order codes

	Order code	Description
Detectors	EBDSM-PRM	Surface mounted PIR presence detector
	EBDSM-AD	Surface mounted PIR presence detector 1-10V Dimming
	EBDSM-DD	Surface mounted PIR presence detector DALI / DSI Dimming
Accessories	UHS5	Commissioning handset
	UNLCDHS	Professional commissioning handset



UHS5



UNLCDHS

IMPORTANT NOTICE!

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and any applicable Building Regulations.



FM 45789

EMS 534520



CP Electronics
Brent Crescent
London NW10 7XR
United Kingdom

t. +44 (0)333 900 0671
f. +44 (0)333 900 0674
info@cpelectronics.co.uk
www.cpelectronics.co.uk