Product Data Sheet



MOVEMENT SENSOR CP ELECTRONICS

CP Electronics PRM Switching Miniature Retrofit IP65 Ceiling Luminaire Mounted PIR Presence Detector

REF. EBMPIR-MB-PRM | EAN. 5012774620983

> Link to e-catalog product sheet

Description

The EBMPIR-MB series of batten mount PIR presence detectors provide automatic control of lighting loads. It has been specifically designed for mounting onto a batten style luminaire allowing retrofit upgrades to existing lighting systems. The units are IP65 rated and are therefore suitable for outdoor use as well as wet and wash-down areas. Three models are available: premium (PRM), direct dim (DD), and analogue dim (AD) all of which will switch a wide range of luminaires. The direct dim variant controls DALI or DSI digital dimming ballasts, whilst the analogue dim variant controls 1-10V dimming ballasts. Functionality is fully programmable using either the UHS5 or UNLCDHS handsets. Key features: Batten mount retrofit system Integrated unit: no separate power supply required IP65 rated Movement detection up to 7 metres high Suitable for a wide range of luminaires Supplied with comprehensive fitting kit Pre-wired with 1m cable length EBMPIR-MB - Key features of PRM Switching detectors include: Switching with lux level sensing Programmable via our programming handset User handset available to control on/off and lux levels

Technical characteristics

Model	Presence detector	**Voltage type**	AC
Sensor type	Passive infrared	**Frequency**	50-50 Hz
With DALI interface	No	**Nominal voltage**	230-230 V
Constant light control	Yes	**Min. switch-on time**	0.5 s
HVAC-control	No	**Max. duty cycle**	99 min
Forced switch off	Yes	**Switch-off delay**	10 s
Animal zone	No	**Switching-on delay**	1 s
Creep-under protection	No	**Detection angle horizontal**	360-360 °
Background monitoring	No	**Pivoting range sensor, horizontal**	0-0 °
Networkable	No	**Pivoting range sensor, vertical**	0-0 °
Optimum mounting height	7 m	**Response value luminosity**	0-2000 lx
Staircase light controller	Yes	**Max. switching power**	460 W
Bridging switch	No	**Suitable for C-load**	No
Max. reach sideways	8 m	**Temperature**	-10-35 °C
Max. reach frontally	8 m	**Number of switching zones**	1

Diameter reach on floor	16 m
Suitable for wireless transmission	No
Remote operation	Yes
With remote control	Yes
Response value sensitivity adjustable	Yes
Response value luminosity adjustable	Yes
With signal unit	No
Teach-function for response value luminosity	No
Dim function with dimmer basic element	No
Mounting method	Other
Material	Plastic
Material quality	Thermoplastic
Halogen free	Yes
Surface protection	Untreated
Surface finishing	Matt
Anti-bacterial treatment	No
Colour	White
RAL-number (similar)	9002
Transparent	No
Degree of protection (IP)	IP65
Impact strength	IK05

Max. starting current	80 A
Control current	3.47391304 mA
Substation input	No
With alarm function	No
With acoustic sensor	No
Width	33 mm
Height	28 mm
Depth	144 mm
Built-in depth	20 mm
With connection cable	No
Connection cable length	0 mm
Operating / setting temperature	-10-35 °C
Storage temperature	-10-50 °C
Standby consumption	3.50869565 mA
Mandatory neutral	Yes
Terminal marking indication	No
Cable nature for connection	Not applicable
Label holder fitted	No
Entry membrane gland type	Not applicable
Auto switch	No

Documents

Technical documentation

WD939 Issue 5 Installation Guide, EBMPIR-MB-PRM A5.pdf | PDF (1.66Mo)

EBMPIR-MB Data sheet Issue 3 A4.pdf | PDF (1.07Mo)

WD841_Standalone_Detector_Programming_Manual_A4.pdf | PDF (3.99Mo)