

Product Data Sheet



MOVEMENT SENSOR CP ELECTRONICS

CP Electronics DALI Dimming Miniature Retrofit Low Temp IP65 Ceiling Luminaire Mounted PIR Presence Detector up to 10 Drivers

REF. EBMPIR-MB-DD-LT30 | EAN. 5012774620976

> [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 DALI/DSI Digital Dimming detectors include: Switching/dimming with lux level lensing Programmable via our programming handset User handset available to control on/off and lux levels Maintained illuminance (daylight linking or daylight harvesting) Step-down illuminance Suitable for all lighting types Two channel flexibility Scene setting and recall Lamp burn-in User handset available to control on/off, lux levels and preset scenes

Technical characteristics

Model	Presence detector
Sensor type	Passive infrared
With DALI interface	Yes
Constant light control	Yes
HVAC-control	No
Forced switch off	Yes
Animal zone	No
Creep-under protection	No
Background monitoring	No
Networkable	No
Optimum mounting height	7 m
Staircase light controller	Yes
Bridging switch	No
Max. reach sideways	8 m

Voltage type	AC
Frequency	50-50 Hz
Nominal voltage	230-230 V
Min. switch-on time	0.5 s
Max. duty cycle	99 min
Switch-off delay	10 s
Switching-on delay	1 s
Detection angle horizontal	360-360 °
Pivoting range sensor, horizontal	0-0 °
Pivoting range sensor, vertical	0-0 °
Response value luminosity	0-2000 lx
Max. switching power	460 W
Suitable for C-load	No
Temperature	-30-35 °C

Max. reach frontally	8 m
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	Yes
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

Number of switching zones	1
Max. starting current	80 A
Control current	2.22173913 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	-30-35 °C
Storage temperature	-30-50 °C
Standby consumption	2.24347826 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


[WD967 Issue 5 Installation Guide, EBMPIR-MB-DD-LT30 A5.pdf](#)
 | PDF (1.63Mo)


[WD841_Standalone_Detector_Programming_Manual_A4.pdf](#)
 | PDF (3.99Mo)