Product Data Sheet

MOVEMENT SENSOR CP ELECTRONICS

CP Electronics 1-10V Analogue Dimming Retrofit Low Temp IP65 High Bay Luminaire Mounted PIR Presence Detector up to 4 Drivers/Ballasts

REF. EBDHS-MB-AD-LT30 | EAN. 5012774621522

> Link to e-catalog product sheet

Description

The EBDHS-MB luminaire mount high bay PIR presence detector range provides exceptionally sensitive and long range detection. The detectors are ideal for high bay, high level lighting control in areas with demanding spaces and increased mounting heights such as warehouses and factories, and are simple to retrofit to commercial luminaires and basic battens. Three models are available: premium (PRM), direct dim (DD), and analogue dim (AD) all of which will switch incandescent, fluorescent, compact fluorescent and LED lighting. The direct dim variant controls DALI or DSI digital dimming ballasts whilst the analogue dim variant controls 1-10V dimming ballasts. All functionality is fully programmable using either the UHS5 or UNLCDHS handsets. Key features: Ground breaking detection range up to 40m at a 15m mounting height, ideal for warehouse lighting control Unique lens technology - high sensitivity within the detection range Ideal for high bay applications Easy to retrofit to commercial luminaires and basic battens IP65 rated therefore suitable in damp and wash-down areas Quick install via M20 gland Adjustable masking shields to allow for precise masking of the detection shape 1000mm cable length Supplied with two masking shields Available options: LT30 – Low temperature EBDHS-MB - Key features of 1–10V Analogue Dimming detectors include: Switching/dimming with lux level lensing Switching with lux level sensing Programmable via our programming handset User handset available to control on/off and lux levels Step-down illuminance Maintained illuminance (daylight linking or daylight harvesting) 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	**Degree of impact strength (IK)**	IK05
Sensor type	Passive infrared	**Voltage type**	AC
With DALI interface	No	**Frequency**	50-50 Hz
Constant light control	Yes	**Nominal voltage**	230-230 V
HVAC-control	No	**Min. switch-on time**	0.5 s
Forced switch off	Yes	**Max. duty cycle**	99 min
Animal zone	No	**Switch-off delay**	10 s
Creep-under protection	No	**Switching-on delay**	1 s
Background monitoring	No	**Detection angle horizontal**	360-360 °
Networkable	No	**Pivoting range sensor, horizontal**	0-0 °
Optimum mounting height	15 m	**Pivoting range sensor, vertical**	0-0 °
Staircase light controller	Yes	**Response value luminosity**	0-2000 lx
Bridging switch	No	**Max. switching power**	460 W
Max. reach sideways	20 m	**Suitable for C-load**	No

Max. reach frontally	20 m
Diameter reach on floor	40 m
Suitable for wireless transmission	No
Remote operation	Yes
Supplied remote control	TRUE
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	TRUE
Surface protection	Untreated
Surface finishing	Matt
Antimicrobial treatment	FALSE
Colour	White
RAL-number (similar)	9002
Transparent	No
Degree of protection (IP)	IP65

Temperature	-30-35 °C
Number of switching zones	1
Max. starting current	80 A
Control current	2.6913043478 mA
Substation input	No
With alarm function	No
With acoustic sensor	No
Width	88 mm
Height	74 mm
Depth	172 mm
Built-in depth	21 mm
With connection cable	No
Connection cable length	0 mm
Operating / setting temperature	-30-35 °C
Storage temperature	-30-50 °C
Standby consumption	1.2608695652 mA
Mandatory neutral	Yes
Label space/information surface	FALSE
Entry membrane gland type	Not applicable
Auto switch	No

Documents

Technical documentation

WD975 Issue 4 Installation Guide, EBDHS-MB-AD-LT30 A5.pdf | PDF (2.14Mo)

WD841_Standalone_Detector_Programming_Manual_A4.pdf | PDF (3.99Mo)