

Product Data Sheet



MOVEMENT SENSOR CP ELECTRONICS

CP Electronics DALI/DSI Digital Dimming Low Temp IP65 High Bay/High Level Flush Mounted PIR Presence/Absence Detector up to 20 Drivers

REF. EBDHS-DD-LT30 | EAN. 5012774621492

> [Link to e-catalog product sheet](#)

Description

EBDHS-LT30 is an increased performance PIR presence detector developed for high bay lighting control in areas with demanding spaces and increased mounting heights. Key Features: Best in industry detection range – up to 40m at 15m mounting height Maximum mounting height up to 20m dependent on operating parameters Operating temperature range -30°C to 35°C IP65 rated Unique lens technology – high sensitivity within the detection range Available in Analogue / Digital Dimming and Switching versions Ideal for cold storage warehousing lighting control Supplied with adjustable masking shields to tailor detection zones Verify feature – reduces false triggering by ensuring detection from more than one of the internal Compatible with the UHS5 or UNLCDHS handsets for easy programming EBDHS is also available in standard switching/dimming versions. EBDHS-LT30 - Key features of DALI/DSI Digital Dimming detectors include: Switching/dimming with lux level lensing 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	Voltage type	AC
Sensor type	Passive infrared	Frequency	50-50 Hz
With DALI interface	Yes	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	15 m	Response value luminosity	0-2000 lx
Staircase light controller	Yes	Max. switching power	2300 W
Bridging switch	No	Suitable for C-load	No
Max. reach sideways	20 m	Temperature	-30-35 °C
Max. reach frontally	20 m	Number of switching zones	1


Diameter reach on floor	40 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	Flush-mounted
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	3,4782608696 mA
Substation input	No
With alarm function	No
With acoustic sensor	No
Width	88 mm
Height	88 mm
Depth	112 mm
Built-in depth	63 mm
With connection cable	No
Connection cable length	0 mm
Operating / setting temperature	-30-35 °C
Storage temperature	-30-50 °C
Standby consumption	1.3 mA
Mandatory neutral	Yes
Terminals capacity	2,5-2,5 mm ²
Label holder fitted	No
Tube diameter for wall mounted product	64-64 mm
Maximum Input cable diameter	2.5 mm
Entry membrane gland type	Not applicable
Auto switch	No

Documents

Technical documentation

 [WD732 Issue 5 Installation Guide, EBDHS-DD-LT30 A5.pdf](#) | PDF (3,2Mo)

 [WD841_Standalone_Detector_Programming_Manual_A4.pdf](#) | PDF (3,99Mo)

 [EBDHS-DD-LT30 Datasheet Issue 2.pdf](#) | PDF (1,37Mo)