

# Product Data Sheet



## MOVEMENT SENSOR CP ELECTRONICS

### CP Electronics PRM Switching IP40 High Bay Flush Mounted PIR Presence/Absence Detector

REF. EBDHS-PRM | EAN. 5012774621584

5 year warranty included

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

## Description

The EBDHS range of increased performance PIR presence detectors is developed for high bay lighting control in areas with demanding spaces and increased mounting heights. They are responsive to the constant shift of an organisation's lighting needs by being programmable and adjustable to produce an exceptionally accurate detection beam. Ideal for warehouse lighting control. 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. EBDHS is also available in low temperature -30 versions. Key features: Groundbreaking detection range up to 40m at a 15m mounting height Maximum mounting height up to 20m dependent on operating parameters Unique lens technology - high sensitivity within the detection range Ideal for high bay applications, including warehouse lighting control IP40 rated Supplied with adjustable masking shields to tailor detection zones Verify feature reduces false triggering by ensuring detection from more than one of the internal sensors All functionality is fully programmable using either the UHS5 or UNLCDHS handsets UK and international patents applied for Manufactured in the UK EBDHS - Key features of PRM Switching detectors include: Switching with lux level sensing Programmable via our programming handset Absence detection functionality User handset available to control on/off and lux levels

## Technical characteristics

<b>Model</b>	Presence detector	<b>Voltage type</b>	AC
<b>Sensor type</b>	Passive infrared	<b>Frequency</b>	50-50 Hz
<b>With DALI interface</b>	No	<b>Nominal voltage</b>	230-230 V
<b>Constant light control</b>	Yes	<b>Min. switch-on time</b>	0,5 s
<b>HVAC-control</b>	No	<b>Max. duty cycle</b>	99 min
<b>Forced switch off</b>	Yes	<b>Switch-off delay</b>	10 s
<b>Animal zone</b>	No	<b>Switching-on delay</b>	1 s
<b>Creep-under protection</b>	No	<b>Detection angle horizontal</b>	360-360 °
<b>Background monitoring</b>	No	<b>Pivoting range sensor, horizontal</b>	0-0 °
<b>Networkable</b>	No	<b>Pivoting range sensor, vertical</b>	0-0 °
<b>Optimum mounting height</b>	15 m	<b>Response value luminosity</b>	0-2000 lx
<b>Staircase light controller</b>	Yes	<b>Max. switching power</b>	2300 W
<b>Bridging switch</b>	No	<b>Suitable for C-load</b>	No
<b>Max. reach sideways</b>	20 m	<b>Temperature</b>	-10-35 °C

Max. reach frontally	20 m
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	No
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

Number of switching zones	1
Max. starting current	80 A
Control current	3.5739130435 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	-10-35 °C
Storage temperature	-10-50 °C
Standby consumption	3.6826086957 mA
Mandatory neutral	Yes
Terminals capacity	2.5-2.5 mm <sup>2</sup>
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

[WD407 Issue 11 Installation Guide, EBDHS-PRM A5.pdf](#) | PDF (2.95Mo)

[WD841\\_Standalone\\_Detector\\_Programming\\_Manual\\_A4.pdf](#) | PDF (3.99Mo)

[EBDHS-PRM Datasheet Issue 2.pdf](#) | PDF (0.58Mo)