

# Product Data Sheet



## MOVEMENT SENSOR CP ELECTRONICS

CP Electronics PRM Switching Retrofit Low Temp IP65 High Bay/High Level Luminaire Mounted PIR Presence Detector

REF. EBDHS-MB-PRM-LT30 | EAN. 5012774621560

[> 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 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

|                                   |                   |  |           |
|-----------------------------------|-------------------|--|-----------|
| <b>Model</b>                      | Presence detector | <b>Impact strength</b>                   | IK05      |
| <b>Sensor type</b>                | Passive infrared  | <b>Voltage type</b>                      | AC        |
| <b>With DALI interface</b>        | No                | <b>Frequency</b>                         | 50-50 Hz  |
| <b>Constant light control</b>     | Yes               | <b>Nominal voltage</b>                   | 230-230 V |
| <b>HVAC-control</b>               | No                | <b>Min. switch-on time</b>               | 0,5 s     |
| <b>Forced switch off</b>          | Yes               | <b>Max. duty cycle</b>                   | 99 min    |
| <b>Animal zone</b>                | No                | <b>Switch-off delay</b>                  | 10 s      |
| <b>Creep-under protection</b>     | No                | <b>Switching-on delay</b>                | 1 s       |
| <b>Background monitoring</b>      | No                | <b>Detection angle horizontal</b>        | 360-360 ° |
| <b>Networkable</b>                | No                | <b>Pivoting range sensor, horizontal</b> | 0-0 °     |
| <b>Optimum mounting height</b>    | 15 m              | <b>Pivoting range sensor, vertical</b>   | 0-0 °     |
| <b>Staircase light controller</b> | Yes               | <b>Response value luminosity</b>         | 0-2000 lx |
| <b>Bridging switch</b>            | No                | <b>Max. switching power</b>              | 460 W     |
| <b>Max. reach sideways</b>        | 20 m              | <b>Suitable for C-load</b>               | No        |

|  |               |
|--|---------------|
| 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                              | 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          |

|                                 |                 |
|---------------------------------|-----------------|
| Temperature                     | -30-35 °C       |
| Number of switching zones       | 1               |
| Max. starting current           | 80 A            |
| Control current                 | 2,4565217391 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             | 1,0826086957 mA |
| Mandatory neutral               | Yes             |
| Label holder fitted             | No              |
| Entry membrane gland type       | Not applicable  |
| Auto switch                     | No              |

## Documents

### Technical documentation

[WD948 Issue 4 Installation Guide, EBDHS-MB-PRM-LT30 A5.pdf](#) | PDF (2,14Mo)

[WD841\\_Standalone\\_Detector\\_Programming\\_Manual\\_A4.pdf](#) | PDF (3,99Mo)