

Key features

- **Miniature PIR detector**
- **High sensitivity lens**
- **Range up to 16m at 7m mounting height**
- **Infrared handset control for easy control and set up**
- **IP65 suitable for outdoor use and in damp areas**
- **Suitable with fluorescent, CFL and LED lamps**
- **Available in switching (PRM), Direct Dim (DD) and analogue dimming (AD)**
- **5 year warranty included**
- **Manufactured in the UK**



EBMPIR-MB Batten Mount PIR Detector

What it is

New from CP Electronics is a series of miniature PIR (passive infrared) presence detectors that have been specifically engineered for mounting directly onto a batten style luminaire.

The EBMPIR-MB series of batten mounting miniature PIR presence detectors provide automatic control of lighting loads, with optional manual control for easy management. Ideal for retrofit and for improving energy saving efficiency of existing installations, it is suitable for a wide range of applications such as storage rooms and exterior parking areas.

What it does

The EBMPIR-MB detects movement using a PIR detector and turns the load on. When an area is no longer occupied the load will switch off after an adjustable time-out period.

For easy control, it is fully programmable using an infrared programming handset (available separately). The EBMPIR-MB's enhanced capabilities include the ability to program its settings without it needing removal or direct access to it.

These detectors are IP65 rated, making them suitable for both outdoor use and in damp areas. A selection of fixing components are supplied to allow easy incorporation into a variety of luminaire styles.

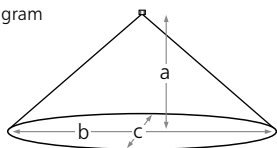
The manufacturing default for the DD detectors is DALI.



Technical specification EBMPIR-MB Batten Mount PIR Detector

Performance data

Detection diagram



| | |
|--------|---------|
| a: 7m | a: 2.8m |
| b: 16m | b: 9m |
| c: 10m | c: 5m |

Electrical data

| | |
|---------------------------|---|
| Supply Voltage | 230VAC +/- 10% |
| Frequency | 50Hz |
| Dimming output | Basic insulation only. Although low voltage, this is not an SELV output and should be treated as if mains potential Use mains rated wiring |
| Maximum load (PRM and AD) | 2A fluorescent and incandescent lighting 2A compact fluorescent lighting 2A low energy lighting 2A low voltage lighting (switch primary of transformer) 2A LED lighting |
| Number of ballasts | Switch SON lighting loads via a contactor EBMPIR-MB-DD – up to 10 dimming ballasts EBMPIR-MB-AD – up to 4 dimming ballasts |
| Power consumption | PRM: On - 799mW Off - 807mW DD: On - 511mW Off - 516mW AD: On - 807mW Off - 817mW |
| Cable specification | 1mm ² x 1000mm solid core cable 105°C |

Environmental data

| | |
|-------------|-------------------------|
| Temperature | -10°C to 50°C |
| Humidity | 5 to 95% non-condensing |
| Material | Flame retardant ABS/PC |
| Type | Class 2 |
| IP rating | IP65 |

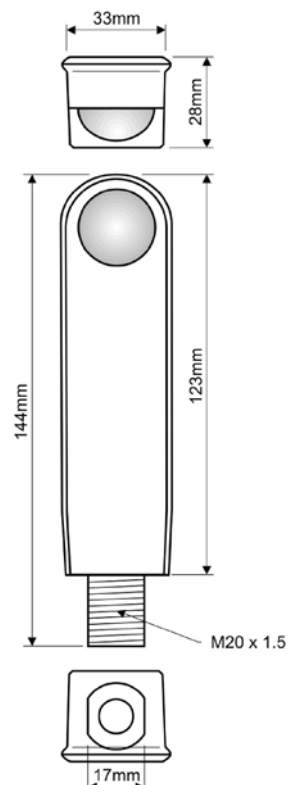
Compliance

EMC-2004/108/EC
LVD-2006/95/EC



Mechanical data

Dimensions



Order code

| | Order code | Description |
|--------------------|---------------|--|
| Detectors | EBMPIR-MB-PRM | Batten mount PIR presence detector with lux level sensing, time delay function and infrared override |
| | EBMPIR-MB-DD | Batten mount PIR presence detector with Direct Dim and time delay function |
| | EBMPIR-MB-AD | Batten mount PIR presence detector for 1-10V analogue dimming output |
| Accessories | UHS5 | Commissioning handset |
| | UHS6 | Building manager's handset |
| | UHS7 | User handset |
| | UNLCDHS | Professional commissioning handset |



UNLCDHS



UHS5 / UHS6 / UHS7