# zencontrol

# Batten microwave sensor **datasheet**

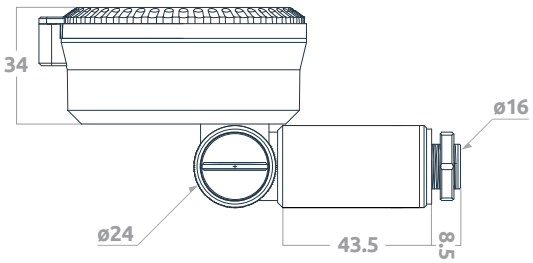
## Product range

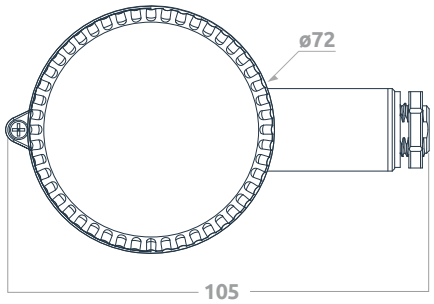
| Order code | Description |
|---|---|
| **zc-mw-batten** | Microwave sensor 12 m, batten kit, IP65 |

**Features**

- Switching capacity max. 800W
- Suitable for wall or ceiling mount
- Supplied with 700 mm cable ready to wire
- Control based on ambient light and motion detection
- 5.8 GHz continuous wave radar, ISM band (industrial, scientific and medical)
- Motion can be detected through plastic, glass and thin non-metal materials
- Zero-crossing operation helps protect the sensor against high in-rush current

## Dimensions



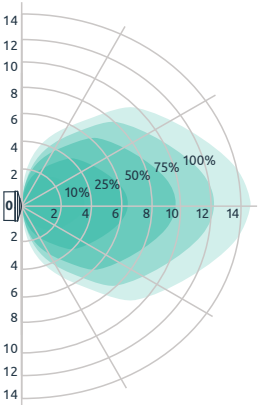




## Specifications

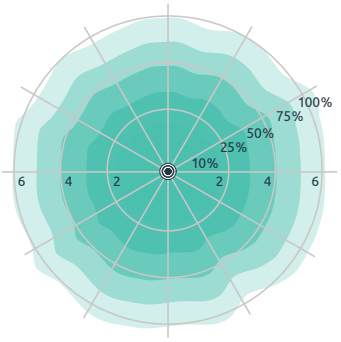
| | |
|---|---|
| **Sensors** | Microwave, ambient light |
| **HF system** | 5.8 GHz CW radar, ISM band, <0.5 mW |
| **Supply voltage** | 230 V ~ |
| **Power consumption** | <0.5 W (stand by) |
| **Operating temperature** | -35 to 70°C |
| **Output load** | 800 W resistive<br>400 W inductive<br>200 W capacitive, led |
| **Detection motion speed** | 0.5 - 3 m/s |
| **Ingress protection** | IP65 |
| **Material** | PC UV stabilised |

## Detection pattern

| Mounting type | Field of view | Range ø | Installation height |
|---|---|---|---|
| **Wall** | 150° | 16 x 6 m | 1 - 1.8 m |
| **Ceiling** | 360° | 12 x 12 m | 2.5 - 6 m |

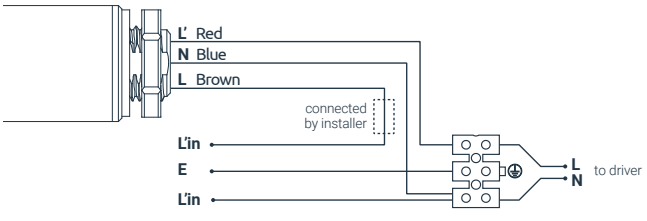



Wall




Ceiling

## Wiring diagram




V1.2
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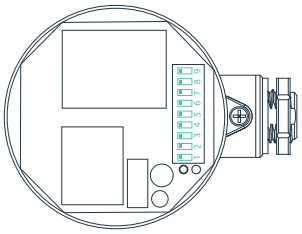
## Configuration

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application. Remove top cover to access setting selection.

**Daylight** The lamp works always, even during daylight
**Twilight** The lamp works only in twilight and darkness
**Darkness** The lamp works only in darkness



| 1 | 2 | 3 | Range | |
|---|---|---|---|---|
| ■ | ■ | ■ | 100% (default) | **Detection area** Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application |
| □ | ■ | ■ | 75% | |
| ■ | □ | ■ | 50% | |
| □ | □ | ■ | 25% | |
| □ | □ | □ | 10% | |
| **4** | **5** | **6** | **Hold time** | **Hold time** Refers to the time period the lamp remains at 100% illumination after no motion detected |
| ■ | ■ | ■ | 5 sec (default) | |
| □ | ■ | ■ | 30 sec | |
| ■ | □ | ■ | 90 sec | |
| □ | □ | ■ | 3 min | |
| ■ | ■ | □ | 20 min | |
| □ | □ | □ | 30 min | |
| **7** | **8** | **9** | **Lux operation** | **Daylight sensor** The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold |
| ■ | ■ | ■ | 2 lx darkness operation only | |
| ■ | ■ | □ | 10 lx darkness operation only | |
| □ | ■ | □ | 25 lx twilight operation | |
| ■ | □ | □ | 50 lx twilight operation | |
| □ | □ | □ | Daylight sensor disabled (default) | |

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