

**Features**

- Programmable via IR remote
- Programmable sensor time-out
- Programmable switch features
- Multiple mounting options available
- Inbuilt application controller for standalone control
- Control based on ambient light and motion detection

**Includes fully independent IEC62386 devices**

- IEC62386 -208 Relay
- IEC62386 -303 Movement sensor
- IEC62386 -304 Light level sensor
- IEC62386 -302 Absolute switch (IR)
- IEC62386 -301 Push button switch (x2)

**Motion detection**

Detection range 360°  
max. range 8 m

**IEC62386 compliant**

Fully IEC62386 compliant  
and compatible



## Product range

| Order code             | Description   |
|------------------------|---|
| <b>zc-mw-da</b>        | Microwave sensor 8 m  |
| <b>zc-mw-da-r</b>      | Microwave sensor 8 m, with inbuilt relay                            |
| <b>zc-mw-da-vf</b>     | Microwave sensor 8 m, with inbuilt volt-free relay                  |
| <b>zc-mw-da-2sw-r</b>  | Microwave sensor 8 m, with inbuilt relay and two switches           |
| <b>zc-mw-da-2sw-vf</b> | Microwave sensor 8 m, with inbuilt volt-free relay and two switches |

### Features

- Microwave motion sensor
- Light level measurement
- Programmable via IR remote
- IP65 weatherproof rating with mounting accessory
- Fully compatible with other DALI-2 application controllers
- Broadcast control of DALI devices with inbuilt application controller

### Fully independent IEC62386 devices

- IEC62386 -208 Relay
- IEC62386 -303 Motion sensor
- IEC62386 -304 Light level sensor
- IEC62386 -302 Switch (IR)
- IEC62386 -301 Switch (x2)

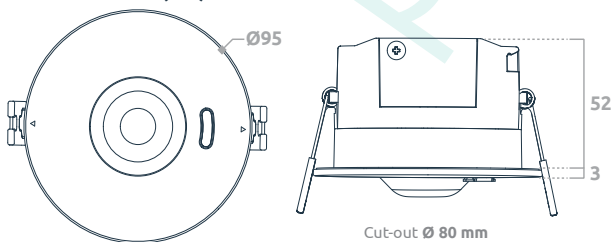
### Programmable features (IR)

- Sensor time-out
- Corridor mode
- Daylight harvesting
- Lux level, dusk (if under lux level, activate sensor)
- Lux level, disable (if over lux level, disable sensor)

### Programmable features (switch)

- Switch type (dimmer, on / off, up / down, colour dimmer, colour warmer, colour cooler)
- Switch actions (enable / disable sensor, enable / disable lux)
- Switch override time

## Dimensions (mm)



## Notice

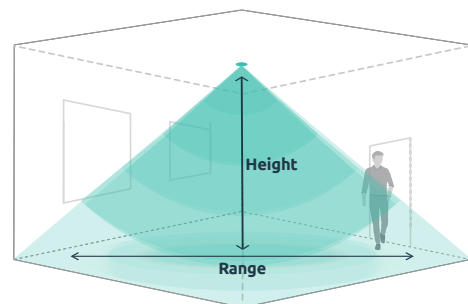
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

## Specifications

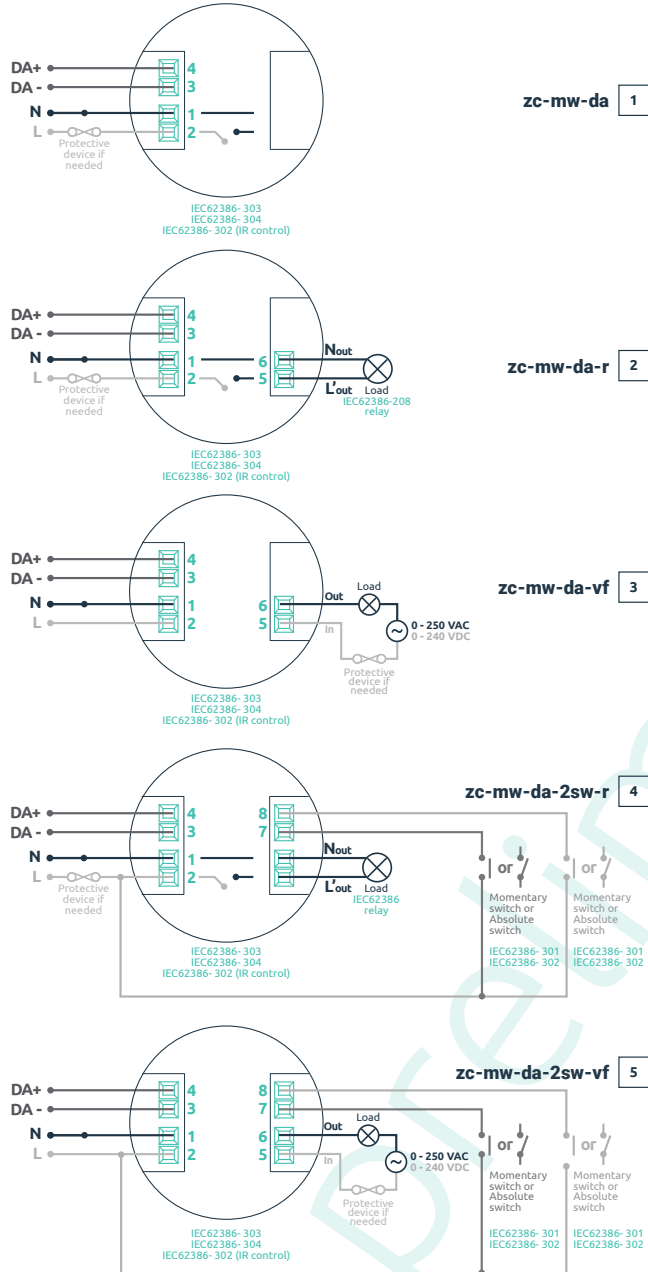
|   |  |
|---|--|
| <b>Supply</b>                                   | 220 - 240 V AC   |
| <b>Supply current</b>                           | < 0.1 A  |
| <b>DALI bus current</b>                         | <2 mA  |
| <b>Relay output</b><br>(-r models)              | 165 A / 20 ms inrush current<br>492 A / 1.5 ms LED inrush current<br>10 A capacitive ⚡<br>10 A inductive ⚡<br>10 A resistive ⚡                                 |
| <b>Output voltage rating AC</b><br>(-vf models) | 10 A resistive ⚡<br>6 A inductive ⚡  |
| <b>Output load rating DC</b><br>(-vf models)    | 0 - 25 V 3 A resistive ⚡<br>25 - 240 V 200 mA resistive ⚡  |
| <b>Sensors</b>                                  | Microwave, IR, lux   |
| <b>Microwave</b>                                | Microwave 5.8 GHz, 0.2 mW  |
| <b>IR</b>                                       | 38 kHz   |
| <b>Wiring</b>                                   | 2.5 mm <sup>2</sup> cable (no earth, suits round and tps)  |
| <b>Operating temperature</b>                    | 0 to 55°C  |
| <b>Material</b>                                 | PC (body)  |
| <b>Ingress protection</b>                       | IP54 (with seal installed into roof)<br>IP65 (with surface or wall mount)  |
| <b>Mounting</b><br>(kits sold separately)       | Recessed (cut-out Ø 80 mm)<br>Wall mount kit (mounting centres 85 mm)<br>Surface mount kit<br>Rod mount kit<br>Conduit mount kit (mounting centres 50 - 60 mm) |
| <b>Compliance standards</b>                     | IEC 61347-2-11 IEC 62386-208<br>IEC 60669-2-1 IEC 62386-301<br>CISPR 15 IEC 62386-302<br>EN 55015 IEC 62386-303<br>IEC 62386-304                               |

## Detection pattern

|                        |          |                |                        |
|------------------------|----------|----------------|------------------------|
| <b>Mounting height</b> | 2 - 12 m | <b>Range Ø</b> | 8 m (mounted at 2.7 m) |
|------------------------|----------|----------------|------------------------|

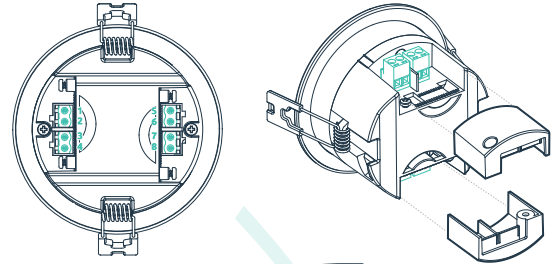


**Wiring**



**Wiring overview**

The sensor can be wired via the terminals found under the terminal covers, as seen below. The amount of terminals will vary depending on model.



**Accessory range**

| Fig. | Order code               | Description   |
|------|--------------------------|---|
| 6    | <b>zc-smart-wall-kit</b> | Smart sensor wall mount kit   |
| 7    | <b>zc-smart-sm-kit</b>   | Smart sensor surface mount kit, suitable for surface, rod and conduit mounting      |
| 8    | <b>zc-rodmount-wht</b>   | Rod mount kit, white, to be used with Smart sensor surface mount kit                |
| 9    | <b>n/a</b>               | Conduit mount, not supplied by zencontrol, used with Smart sensor surface mount kit |

