

**Features**

- Programmable via IR remote
- Wireless support for IEC62386-104 over Thread
- Inbuilt sensor for eCO₂, eVOC, temperature, sound, humidity
- Programmable sensor time-out and switch features
- Control based on ambient light and motion detection
- Inbuilt application controller for standalone control
- Multiple mounting options available

Includes fully independent IEC62386 devices

- IEC62386 -208 Relay
- IEC62386 -303 Movement sensor
- IEC62386 -304 Light level sensor
- IEC62386 -302 Absolute switch (IR)
- IEC62386 -3XX Generic input sensor (x4)

**IEC62386-104 over Thread**

Works with products supporting IEC 62386-104 over Thread

**WELL Building Standard**

Suitable to meet the international WELL Building Standard



Product range

| Order code | Description |
|------------------|---|
| zc-mms-iot-da | Wireless microwave multi-sensor 8 m |
| zc-mms-iot-da-r | Wireless microwave multi-sensor 8 m, with inbuilt relay |
| zc-mms-iot-da-vf | Wireless microwave multi-sensor 8 m, with inbuilt volt-free relay |

Features

- eCO₂ sensor
- eVOC sensor
- Humidity sensor
- Sound level sensor
- Temperature sensor
- Light level measurement
- Microwave motion sensor
- Programmable via IR remote
- Wireless support for IEC62386-104 over Thread
- Fully compatible with other DALI application controllers
- Broadcast control of DALI devices with inbuilt application controller

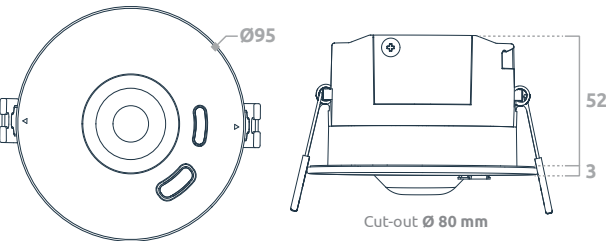
Fully independent IEC62386 devices

- IEC62386 -208 Relay
- IEC62386 -303 Motion sensor
- IEC62386 -304 Light level sensor
- IEC62386 -302 Switch (IR)
- IEC62386 -3XX Generic input sensor (x4)

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)

Dimensions (mm)



Notice

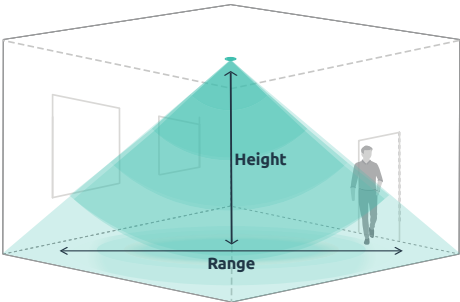
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

Specifications

| | |
|---|--|
| Supply | 220 - 240 V AC |
| Supply current | < 0.1 A |
| DALI bus current | <2 mA |
| Relay output (-r model) | 165 A / 20 ms inrush current 492 A / 1.5 ms LED inrush current 10 A capacitive ⚡ 10 A inductive ⚡ 10 A resistive ⚡ |
| Output voltage rating AC (-vf model) | 10 A resistive ⚡ 6 A inductive ⚡ |
| Output load rating DC (-vf model) | 0 - 25 V 3 A resistive ⚡ 25 - 240 V 200 mA resistive ⚡ |
| Sensors | Microwave, IR, lux |
| Microwave | Microwave 5.8 GHz, 0.2 mms |
| Wireless | IEC62386-104 over Thread |
| IR | 38 kHz |
| Temperature | -20°C to 85°C (±1°C) -10°C to 40°C (±0.5°C) |
| Humidity | 0 to 100% (RH±3%) |
| Lux | 0 to 10,000 Lux (±5 %) |
| TVOC | 0 to 60,000 ppb |
| CO ₂ eq | 0 to 60,000 ppm |
| Sound level | 35 to 100 dBA Leq (±2 dBA Leq) |
| Wiring | 2.5 mm ² cable (no earth, suits round and tps) |
| Operating temperature | 0 to 55°C |
| Material | PC (body) |
| Ingress protection | IP20 |
| Mounting (kits sold separately) | Recessed (cut-out Ø 80 mm) Wall mount kit (mounting centres 85 mm) Surface mount kit Rod mount kit Conduit mount kit (mounting centres 50 - 60 mm) |
| Compliance standards | IEC 61347-2-11 IEC 62386-104 IEC 62386-302 IEC 60669-2-1 IEC 62386-208 IEC 62386-303 CISPR 15 IEC 62386-301 IEC 62386-304 EN 55015 |

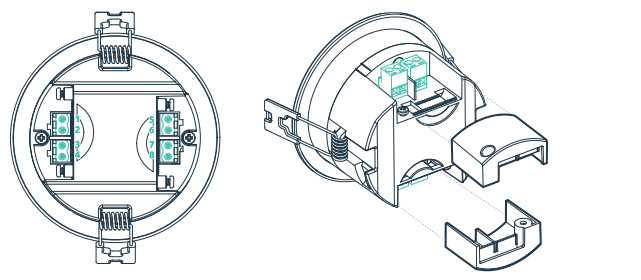
Detection pattern

| | | | |
|-----------------|----------|---------|------------------------|
| Mounting height | 2 - 12 m | Range ø | 8 m (mounted at 2.7 m) |
|-----------------|----------|---------|------------------------|

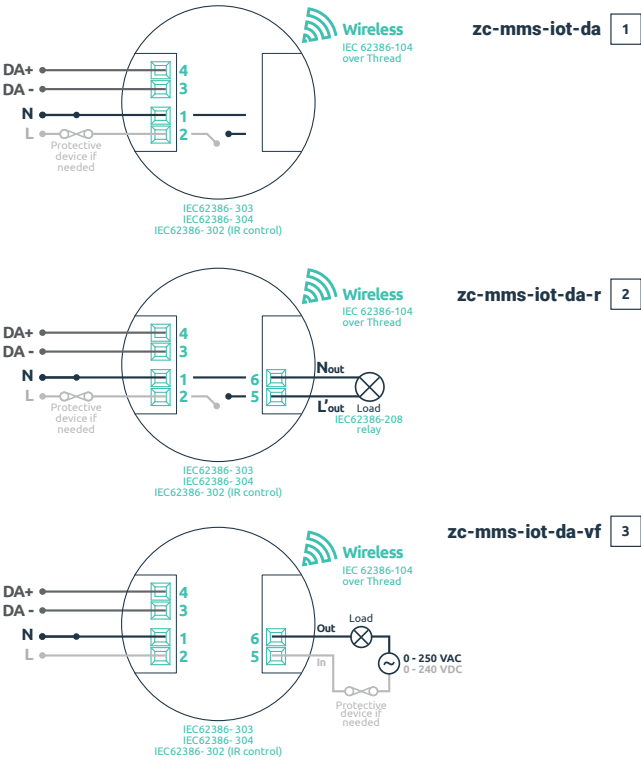


Wiring overview

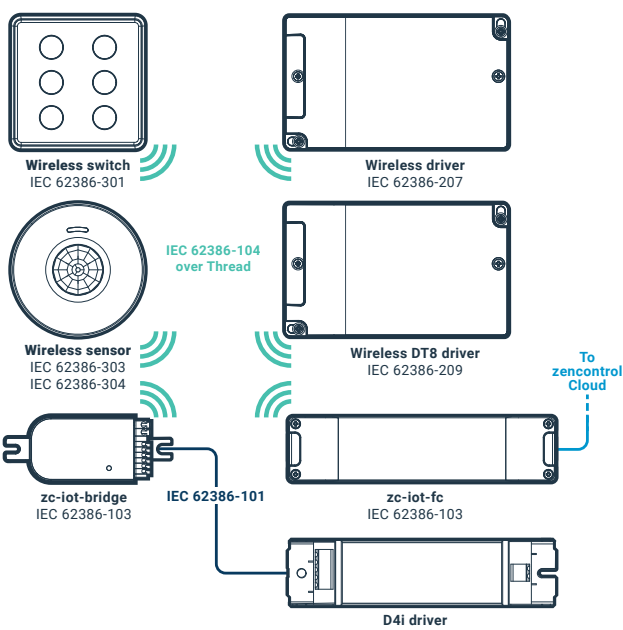
The smart IoT sensor can be wired via the terminals found under the terminal covers, as seen below. The amount of terminals will vary depending on model.



Wiring



Wireless system overview



Accessory range

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

