

**Features**

- Programmable via IR remote
- Programmable sensor time-out and switch features
- Inbuilt application controller for standalone control
- Control based on ambient light and motion detection
- Wireless support for IEC62386-104 over Thread meshable wireless network for IoT connectivity
- Multiple mounting options available

Includes fully independent IEC62386 devices

- IEC62386 -101 Power supply (35mA)
- IEC62386 -208 Relay
- IEC62386 -303 Movement sensor
- IEC62386 -304 Light level sensor
- IEC62386 -302 Absolute switch (IR)
- IEC62386 -301 Push button switch (x2)
- IEC62386 -3XX Generic input sensor (x4)

**IEC62386-104 over Thread**

Works with products supporting IEC 62386-104 over Thread

**IEC62386 compliant**

Fully IEC62386 compliant and compatible



Product range

| Order code | Description |
|----------------------|--|
| zc-pir-iot-da | Wireless PIR sensor 8 m |
| zc-pir-iot-da-r | Wireless PIR sensor 8 m with inbuilt relay |
| zc-pir-iot-da-vf | Wireless PIR sensor 8 m, with inbuilt volt-free relay |
| zc-pir-iot-da-2sw-r | Wireless PIR sensor 8 m, with inbuilt relay and two switches |
| zc-pir-iot-da-2sw-vf | Wireless PIR sensor 8 m, with inbuilt volt-free relay and two switches |

- Features
- Wireless connectivity
 - PIR motion sensor
 - Light level measurement
 - Programmable via IR remote
 - Power supply for DALI devices (35mA)
 - Wireless support for IEC62386-104 over Thread
 - IP65 weatherproof rating with mounting accessory
 - Broadcast control of DALI devices with inbuilt application controller

Fully independent IEC62386 devices

- IEC62386-101 Power supply
- IEC62386-208 Relay
- IEC62386-303 Motion sensor
- IEC62386-304 Light level sensor
- IEC62386-302 Switch (IR)
- IEC62386-301 Switch (x2)

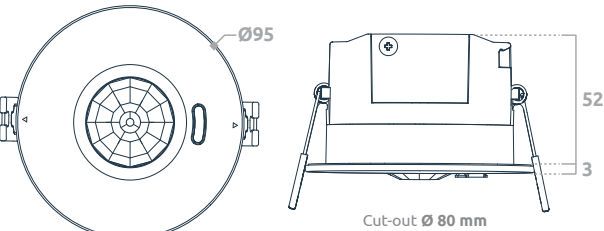
Programmable features (IR)

- 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

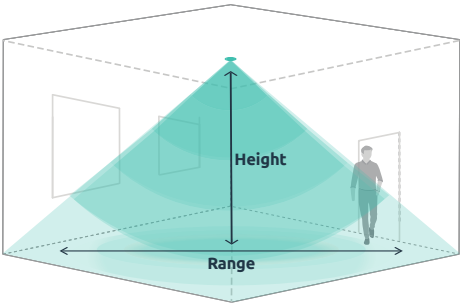
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

Specifications

| | |
|---------------------------------------|--|
| Supply | 220 - 240 V AC |
| Supply current | < 0.1 A |
| DALI bus current | <2 mA |
| Relay output (-r models) | 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 models) | 10 A resistive ⚡ 6 A inductive ⚡ |
| Output load rating DC (-vf models) | 0 - 25 V 3 A resistive ⚡ 25 - 240 V 200 mA resistive ⚡ |
| Lens | Fresnel |
| Sensors | PIR, IR, lux |
| Wireless | IEC62386-104 over Thread |
| IR | 38 kHz |
| Wiring | 2.5 mm² cable (no earth, suits round and tps) |
| Operating temperature | 0 to 55°C |
| Material | PC (body) |
| Ingress protection | IP54 (with seal installed into roof) IP65 (with surface or wall mount) |
| 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 |

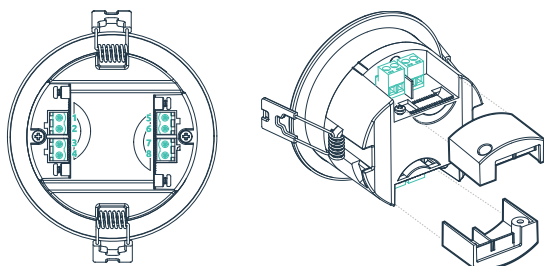
Detection pattern

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

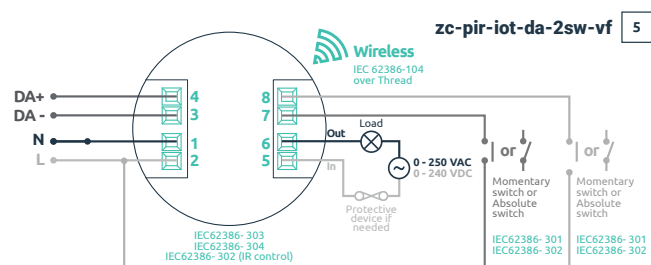
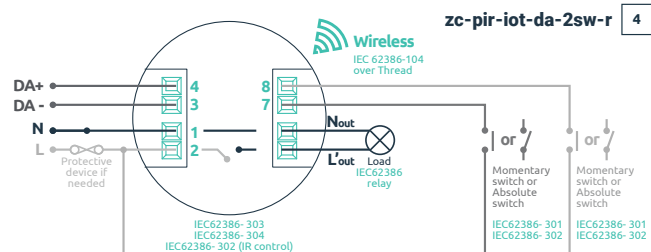
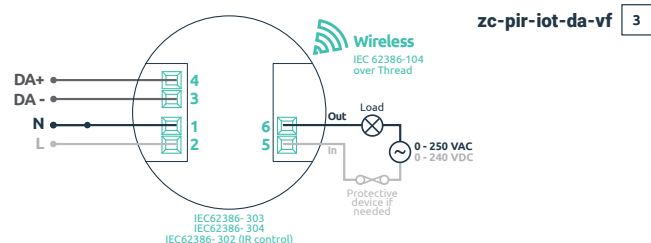
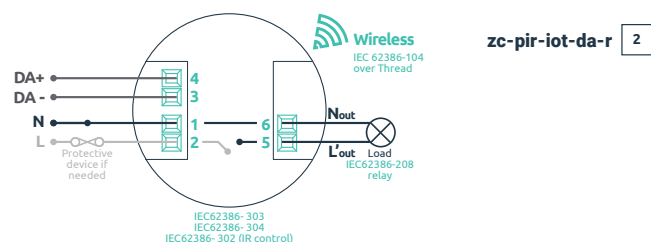
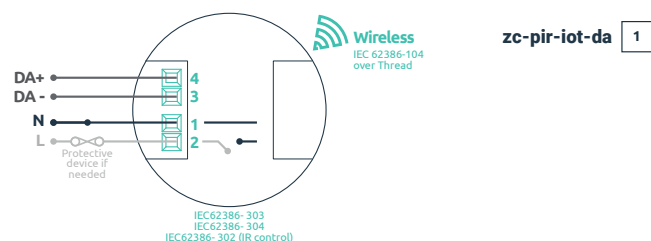


Wiring overview

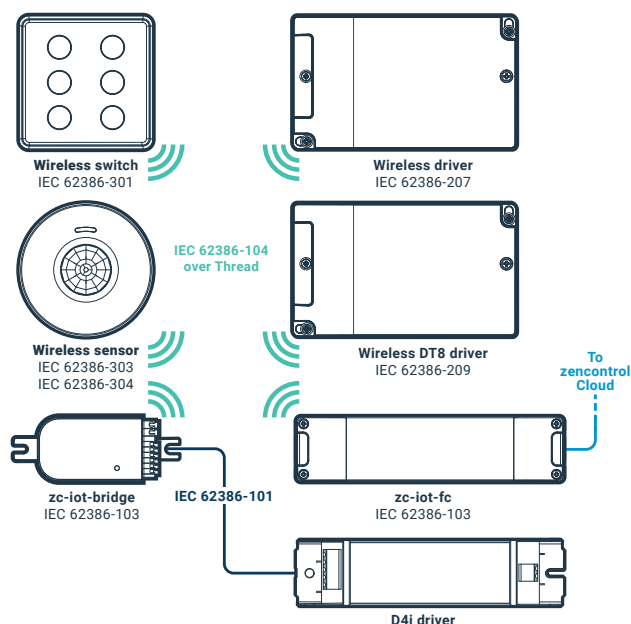
The smart IoT sensor can be wired via the terminals found under the terminal covers, as seen below. The amount of terminals will vary depending on model.



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 |



8 Rod mount



9 Conduit mount

