



### Features

- Fully configurable
- Programmable via IR remote
- Programmable sensor time-out
- Switch inputs for switch models
- Programmable switch features
- Control based on ambient light and motion detection
- Corridor mode, motion sensing with dim to comfort level



### IEC62386-101 PSU

Inbuilt IEC62386 power supply with 35 mA of DALI power



### IEC62386-103

Inbuilt Application controller to independently control DALI control gear



### Motion detection

Detection range 360°  
max. range 8 m



### Configurable via IR

Sensor time-outs, switch and light control features



## Product range

| Order code                 | Description  |
|----------------------------|--|
| <b>zc-pir-st-da</b>        | Standalone smart PIR sensor 8 m  |
| <b>zc-pir-st-da-r</b>      | Standalone smart PIR sensor, 8 m, with inbuilt relay                           |
| <b>zc-pir-st-da-vf</b>     | Standalone smart PIR sensor 8 m, with inbuilt volt-free relay                  |
| <b>zc-pir-st-da-2sw-r</b>  | Standalone smart PIR sensor 8 m, with inbuilt relay and two switches           |
| <b>zc-pir-st-da-2sw-vf</b> | Standalone smart PIR sensor 8 m, with inbuilt volt-free relay and two switches |

### Features

- PIR motion sensor
- Light level measurement
- Full control of DALI lighting
- Programmable via IR remote
- Inbuilt IEC62386-101 power supply, 35 mA
- Inbuilt IEC62386-103 application controller
- Connect multiple sensors together (max 5)

### Programmable features (IR)

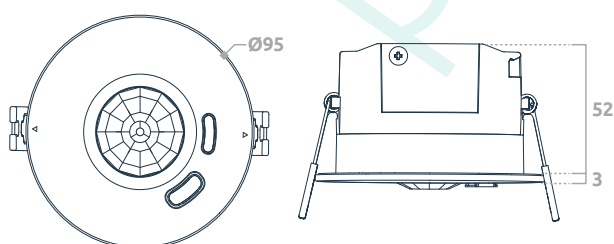
- Sensor time-out
- Corridor mode
- Daylight harvesting
- Lux level, dusk (if under lux level, activate sensor)
- Lux level, disable (if over lux level, disable sensor)

### 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

|                |            |                   |             |
|----------------|------------|-------------------|-------------|
| <b>Cut out</b> | Min Ø83 mm | <b>Dimensions</b> | Ø95 / 55 mm |
|----------------|------------|-------------------|-------------|



## Notice

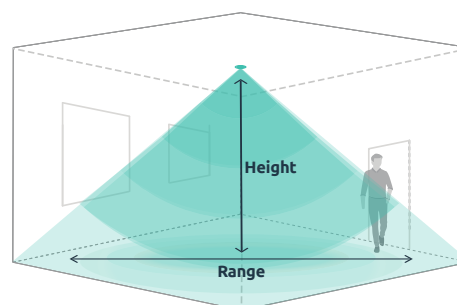
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

## Specifications

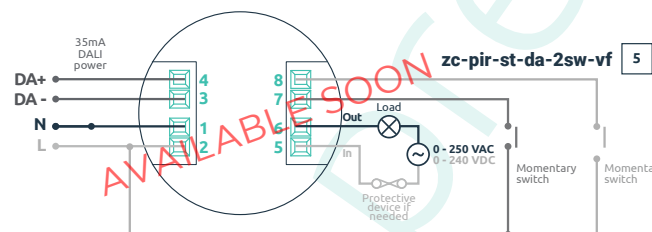
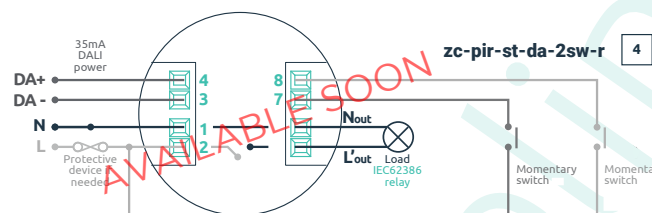
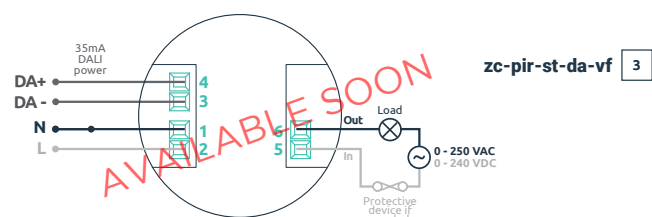
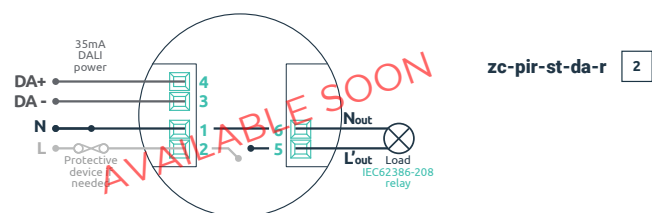
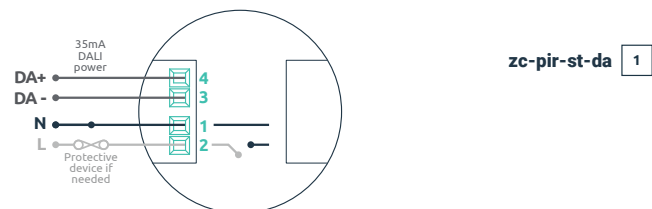
|  |   |  |
|--|---|--|
| Supply                                   | 220 - 240 V ~50 Hz  |  |
| Supply current                           | < 0.1 A   |  |
| DALI power supply                        | 35mA 16 V (inbuilt)   |  |
| Relay output<br>(-r models)              | 120 A / 20 ms inrush current<br>10 A resistive ⚡<br>6 A inductive ⚡   |  |
| Output voltage rating AC<br>(-vf models) | 10 A resistive ⚡<br>6 A inductive ⚡   |  |
| Output load rating DC<br>(-vf models)    | 0 - 25 V 3 A resistive ⚡<br>25 - 240 V 200 mA resistive ⚡   |  |
| Lens                                     | Fresnel   |  |
| Sensors                                  | PIR, IR, lux  |  |
| IR                                       | 38 kHz  |  |
| Wiring                                   | 2.5 mm² cable (no earth, suits round and tps)   |  |
| Operating temperature                    | -10 to 55°C   |  |
| Material                                 | PC (body)   |  |
| Ingress protection                       | IP54 (with seal installed into roof)<br>IP65 (with surface or wall mount)   |  |
| Mounting<br>(kits sold separately)       | Recessed (cut-out min Ø83 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) |  |
| Compliance standards                     | IEC 61347-2-11<br>IEC 60669-2-1<br>CISPR 15   | EN 55015<br>IEC 62386-101<br>IEC 62386-103 |

## Detection pattern

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

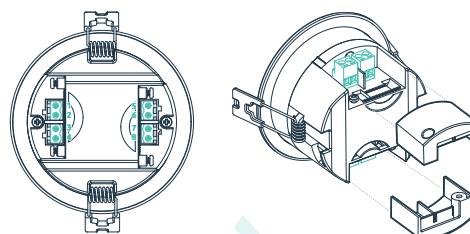


## Wiring



## 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   |
|------|--------------------------|---|
| 7    | <b>zc-smart-wall-kit</b> | Smart sensor wall mount kit   |
| 8    | <b>zc-smart-sm-kit</b>   | Smart sensor surface mount kit, suitable for surface, rod and conduit mounting      |
| 9    | <b>zc-rodmount-wht</b>   | Rod mount kit, white, to be used with Smart sensor surface mount kit                |
| 10   | <b>n/a</b>               | Conduit mount, not supplied by zencontrol, used with Smart sensor surface mount kit |
| 11   | <b>zc-ir-ctrl-com</b>    | Hand-held infrared control and commissioning unit                                   |

**7 Wall mount**



**8 Surface mount**



**9 Rod mount**



**10 Conduit mount**



**11 IR controller**



\*Sold separately