zencontrol

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
zc-pir-st-da	Standalone smart PIR sensor 8 m
zc-pir-st-da-r	Standalone smart PIR sensor, 8 m, with inbuilt relay
zc-pir-st-da-vf	Standalone smart PIR sensor 8 m, with inbuilt volt-free relay
zc-pir-st-da-2sw-r	Standalone smart PIR sensor 8 m, with inbuilt relay and two switches
zc-pir-st-da-2sw-vf	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)

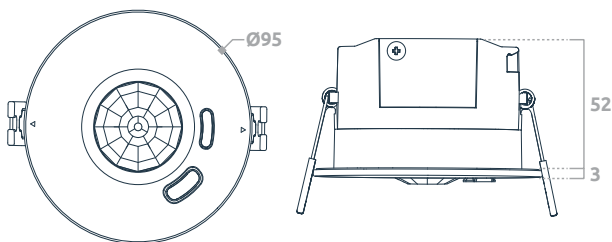### Programmable features (IR)
- Sensor time-out
- Corridor mode
- Daylight harvesting
- Lux level, dusk (if under lux level, activate sensor)
- Lux level, disable (if over lux level, disable sensor)

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

Specifications

Supply	220 - 240 V ~50 Hz
Supply current	< 0.1 A
DALI power supply	35 mA 16 V (inbuilt)
Relay output (-r models)	120 A / 20 ms inrush current 10 A resistive ☼ 6 A inductive ⌷
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
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)
	IP65 (with surface or wall mount)
Mounting (kits sold separately)	Recessed (cut-out min Ø83 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 EN 55015 IEC 60669-2-1 IEC 62386-101 CISPR 15 IEC 62386-103

Dimensions

Cut out	Min Ø83 mm	Dimensions	Ø95 / 55 mm

Detection pattern

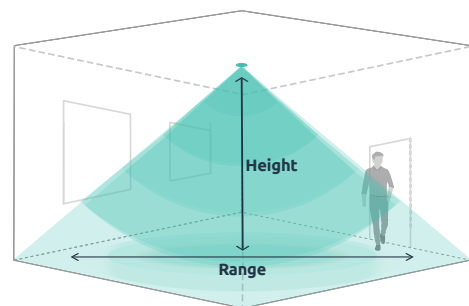| Mounting height	2 - 12 m	Range ø	8 m (mounted at 2.7 m)

Notice

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

Wiring
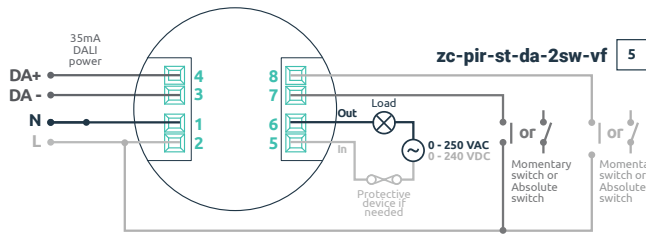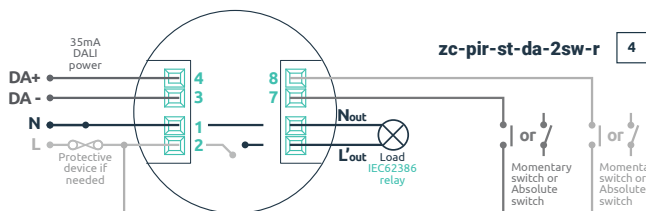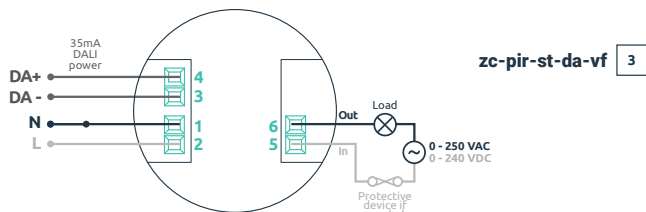
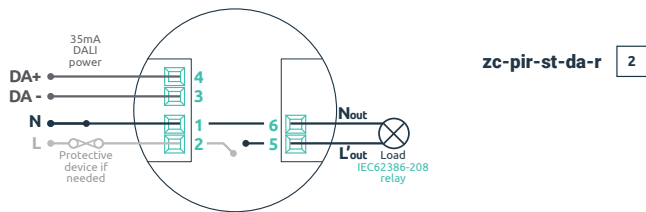### 1 — zc-pir-st-da

35mA DALI power
DA+ — 4
DA - — 3
N — 1
L — 2
Protective device if needed

2 — zc-pir-st-da-r

35mA DALI power
DA+ — 4
DA - — 3
N — 1 — 6 — **N**out
L — 2 — 5 — **L**out — Load
Protective device if needed
IEC62386-208 relay

3 — zc-pir-st-da-vf

35mA DALI power
DA+ — 4
DA - — 3
N — 1 — 6 — Out — Load
L — 2 — 5 — In
0 - 250 VAC
0 - 240 VDC
Protective device if needed

4 — zc-pir-st-da-2sw-r

35mA DALI power
DA+ — 4 — 8
DA - — 3 — 7
N — 1 — **N**out
L — 2 — **L**out — Load
Protective device if needed
IEC62386 relay
Momentary switch or Absolute switch | or | Momentary switch or Absolute switch

5 — zc-pir-st-da-2sw-vf

35mA DALI power
DA+ — 4 — 8
DA - — 3 — 7
N — 1 — 6 — Out — Load
L — 2 — 5 — In
0 - 250 VAC
0 - 240 VDC
Protective device if needed
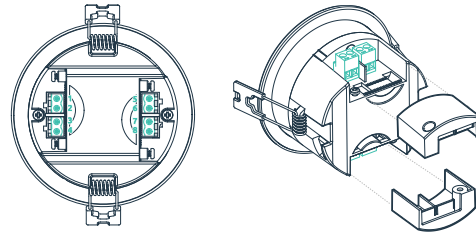Momentary switch or Absolute switch | or | Momentary switch or Absolute switch

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

7 Wall mount

8 Surface mount

9 Rod mount

10 Conduit mount

11 IR controller

*Sold seperately