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

Features

- PIR 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 (device type 7)
- IEC62386 -303 Motion sensor
- IEC62386 -304 Light level sensor
- IEC62386 -302 Switch (IR)
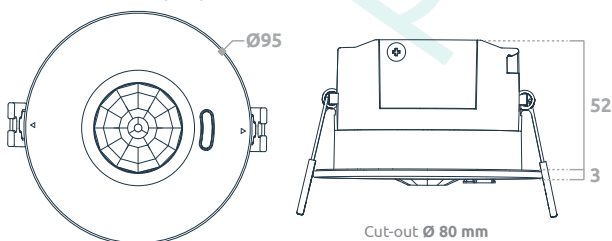- IEC62386 -301 Switch (x2)

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

Specifications

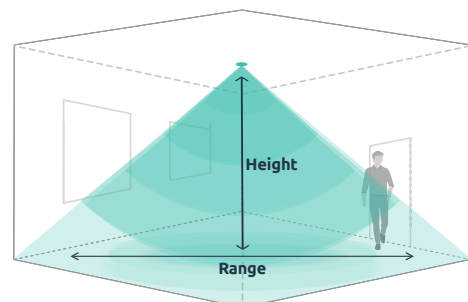|	
Supply	220 - 240 V AC
Supply current	< 0.1 A
DALI bus current	<2 mA
Relay output (-r models)	165 A / 20 ms inrush current 492 A / 1.5 ms LED inrush current 10 A capacitive 10 A inductive 10 A resistive
Output voltage rating AC (-vf models)	10 A resistive 6 A inductive
Output load rating DC (-vf models)	0 - 25 V 3 A resistive 25 - 240 V 200 mA resistive
Lens	Fresnel
Sensors	PIR, IR, lux
IR	38 kHz
Wiring	2.5 mm^2 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 62386-208 IEC 60669-2-1 IEC 62386-301 CISPR 15 IEC 62386-302 EN 55015 IEC 62386-303 IEC 62386-304

Dimensions (mm)

Ø95

52

3

Cut-out Ø 80 mm

Detection pattern

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

Height

Range

Notice

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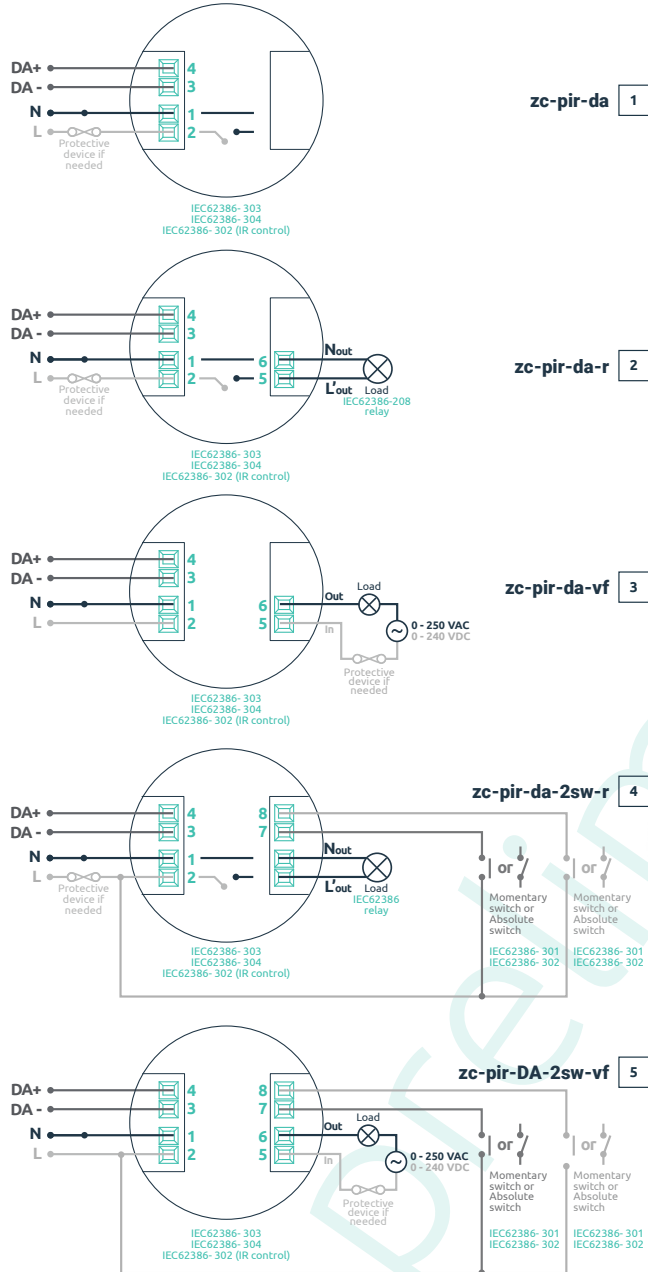
Wiring

DA+ — 4
DA - — 3
N — 1
L — 2
Protective device if needed

zc-pir-da 1

IEC62386- 303
IEC62386- 304
IEC62386- 302 (IR control)

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

zc-pir-da-r 2

IEC62386- 303
IEC62386- 304
IEC62386- 302 (IR control)

DA+ — 4
DA - — 3
N — 1
L — 2
6 — Out
5 — in — Load
0 - 250 VAC
0 - 240 VDC
Protective device if needed

zc-pir-da-vf 3

IEC62386- 303
IEC62386- 304
IEC62386- 302 (IR control)

DA+ — 4
DA - — 3
N — 1
L — 2
8
7 — N out
L out — Load
IEC62386 relay
Protective device if needed

or — Momentary switch or Absolute switch
or — Momentary switch or Absolute switch

zc-pir-da-2sw-r 4

IEC62386- 303
IEC62386- 304
IEC62386- 302 (IR control)
IEC62386- 301
IEC62386- 302
IEC62386- 301
IEC62386- 302

DA+ — 4
DA - — 3
N — 1
L — 2
8
7
6 — Out
5 — in — Load
0 - 250 VAC
0 - 240 VDC
Protective device if needed

or — Momentary switch or Absolute switch
or — Momentary switch or Absolute switch

zc-pir-DA-2sw-vf 5

IEC62386- 303
IEC62386- 304
IEC62386- 302 (IR control)
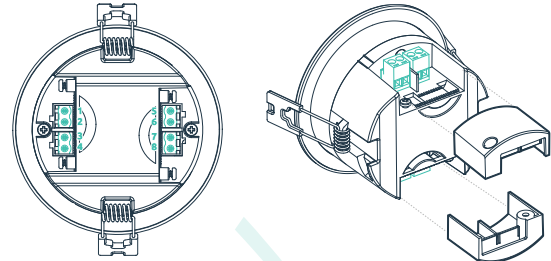IEC62386- 301
IEC62386- 302
IEC62386- 301
IEC62386- 302

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	**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

6 **Wall mount**

7 **Surface mount**

8 **Rod mount**

9 **Conduit mount**