Features

- Wireless, DALI and standalone
- Works with zencontrol connect
- Bluetooth commissioning
- PIR motion sensor
- Light level measurement
- IP65 weatherproof rating with mounting accessory
- DALI broadcast control with inbuilt application controller
- Fully compatible with other DALI-2 application controllers
- -iot models include a inbuilt DALI power supply

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 (x2)
- 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
zc-pir-da	PIR smart sensor 8 m
zc-pir-da-r	PIR smart sensor 8 m, with inbuilt relay
zc-pir-da-vf	PIR smart sensor 8 m, with inbuilt volt-free relay
zc-pir-da-2sw-r	PIR smart sensor 8 m, with inbuilt relay and two switches
zc-pir-da-2sw-vf	PIR smart sensor 8 m, with inbuilt volt-free relay and two switches

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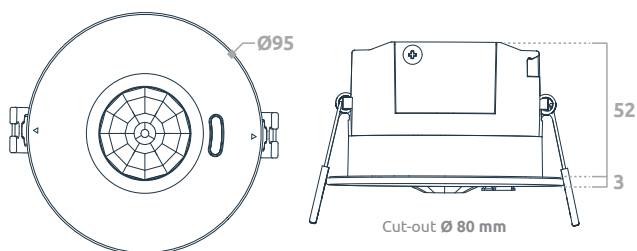- -iot models include a inbuilt DALI power supply

Fully independent IEC62386 devices

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

Programmable features (switch)

- Switch type (dimmer, on / off, up / down, colour dimmer, colour warmer, colour cooler)
- Switch actions (enable / disable sensor, enable / disable lux)
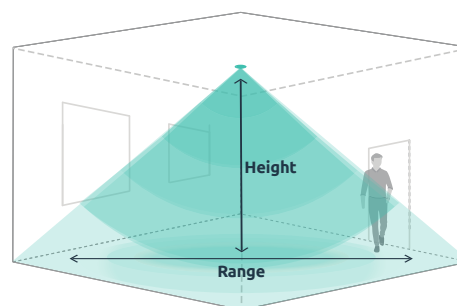- Switch override time

Dimensions (mm)

Ø95

52

3

Cut-out Ø 80 mm

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, lux
Wireless	IEC62386-104 over Thread
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 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)

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 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 IEC 62386-104 over Thread

zc-pir-iot-da [1]

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

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

Wireless IEC 62386-104 over Thread

zc-pir-iot-da-r [2]

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

N out
L' out
Load
IEC62386-208 relay

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

Wireless IEC 62386-104 over Thread

zc-pir-iot-da-vf [3]

DA+ 4
DA - 3
N 1
L 2

Out 6
In 5
Load
0 - 250 VAC
0 - 240 VDC
Protective device if needed

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

Wireless IEC 62386-104 over Thread

zc-pir-iot-da-2sw-r [4]

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

8
7
N out
L' out
Load
IEC62386 relay

or | or
Momentary switch or Absolute switch | Momentary switch or Absolute switch
IEC62386- 301 | IEC62386- 301
IEC62386- 302 | IEC62386- 302

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

Wireless IEC 62386-104 over Thread

zc-pir-iot-da-2sw-vf [5]

DA+ 4
DA - 3
N 1
L 2

8
7
Out 6
In 5
Load
0 - 250 VAC
0 - 240 VDC
Protective device if needed

or | or
Momentary switch or Absolute switch | Momentary switch or Absolute switch
IEC62386- 301 | IEC62386- 301
IEC62386- 302 | IEC62386- 302

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

Wireless system overview

Wireless switch
IEC 62386-301

Wireless driver
IEC 62386-207

IEC 62386-104 over Thread

Wireless sensor
IEC 62386-303
IEC 62386-304

Wireless DT8 driver
IEC 62386-209

zc-iot-bridge
IEC 62386-103

IEC 62386-101

zc-iot-fc
IEC 62386-103

To zencontrol Cloud

D4i driver

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**