

**Features**

- Wireless support for IEC62386-104 over Thread
- Inbuilt sensor for eCO<sub>2</sub>, eVOC, temperature, sound, humidity
- Programmable sensor time-out and switch features
- Control based on ambient light and motion detection
- Inbuilt application controller for standalone control
- 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 -301 Push button switch (x2)
- IEC62386 -3XX Generic input sensor (x4)

**IEC62386-104 over Thread**

Works with products supporting IEC 62386-104 over Thread

**WELL Building Standard**

Suitable to meet the international WELL Building Standard



## Product range

Order code	Description
<b>zc-pms-iot-2sw-r</b>	Wireless PIR and air quality sensor 8 m, with inbuilt relay and two switches, built in DALI PSU
<b>zc-pms-iot-2sw-vf</b>	Wireless PIR and air quality sensor 8 m, with inbuilt volt free relay and two switches, built in DALI PSU
<b>zc-pms-da-2sw-r</b>	Wireless PIR and air quality sensor 8 m, with inbuilt relay and two switches
<b>zc-pms-da-2sw-vf</b>	Wireless PIR and air quality sensor 8 m, with inbuilt volt free relay and two switches

## Features

- IAQ measurement
- eCO<sub>2</sub> sensor
- eVOC sensor
- Humidity sensor
- PIR motion sensor
- Sound pressure level sensor
- Temperature sensor
- Light level measurement
- 35mA DALI power supply on -iot models
- Wireless support for IEC62386-104 over Thread
- Fully compatible with other DALI-2 application controllers
- Broadcast control of DALI devices with inbuilt application controller

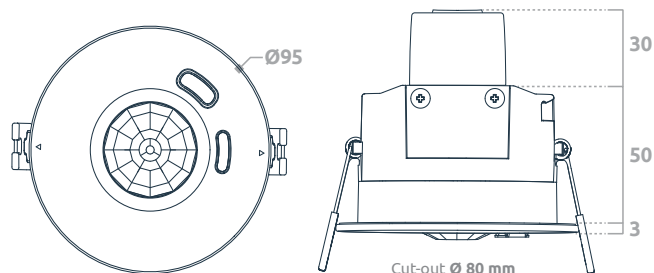
## Fully independent IEC62386 devices

- IEC62386-101 Power supply
- IEC62386-208 Relay
- IEC62386-303 Motion sensor
- IEC62386-304 Light level sensor
- IEC62386-301 Switch (x2)
- IEC62386-306 Generic input sensor (x4)

## 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

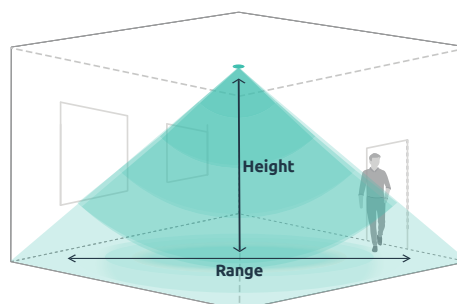
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

## Specifications

<b>Supply</b>	220 - 240 V AC
<b>Supply current</b>	< 0.1 A
<b>DALI bus current</b>	< 2 mA
<b>DALI power supply current</b> (-iot models)	35 mA
<b>Relay output</b> (-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 ⚡
<b>Output voltage rating AC</b> (-vf model)	10 A resistive ⚡ 6 A inductive ⚡
<b>Output load rating DC</b> (-vf model)	0 - 25 V 3 A resistive ⚡ 25 - 240 V 200 mA resistive ⚡
<b>Lens</b>	Fresnel
<b>Sensors</b>	PIR, lux, IAQ, humidity, temperature
<b>Wireless</b>	IEC62386-104 over Thread
<b>Temperature</b>	-20°C to 85°C (±1°C) -10°C to 40°C (±0.5°C)
<b>Humidity</b>	0 to 100% (RH±5%)
<b>Lux</b>	0 to 64,000 Lux (±5 %)
<b>TVOC</b>	0 to 1,000 ppm
<b>CO<sub>2</sub>eq</b>	300 to 10,000 ppm
<b>Sound level</b>	35 to 100 dBA Leq (±2 dBA Leq)
<b>Wiring</b>	2.5 mm <sup>2</sup> cable (no earth, suits round and tps)
<b>Operating temperature</b>	0 to 55°C
<b>Material</b>	PC (body)
<b>Ingress protection</b>	IP20
<b>Mounting</b> (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)
<b>Compliance standards</b>	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

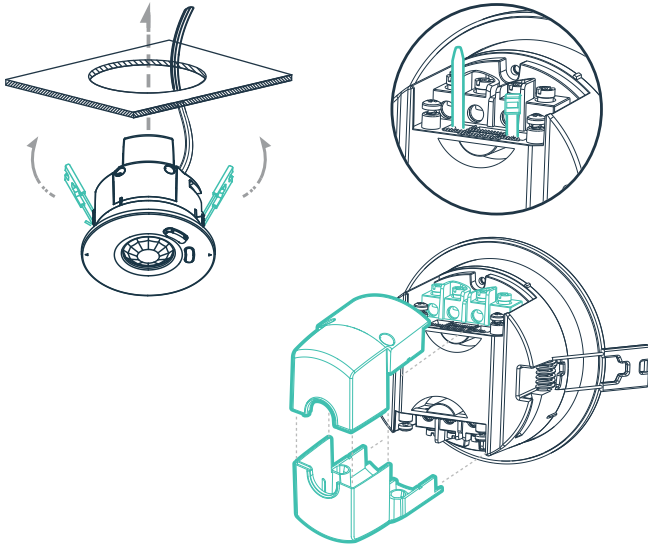
## Detection pattern

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

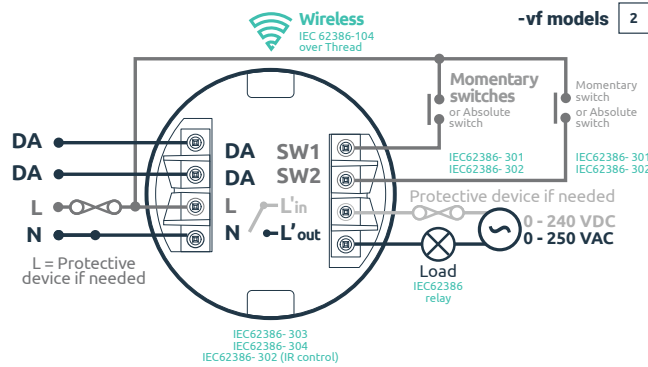
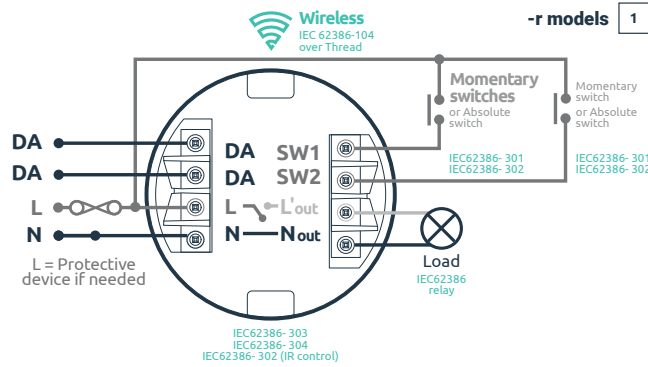


**Wiring overview**

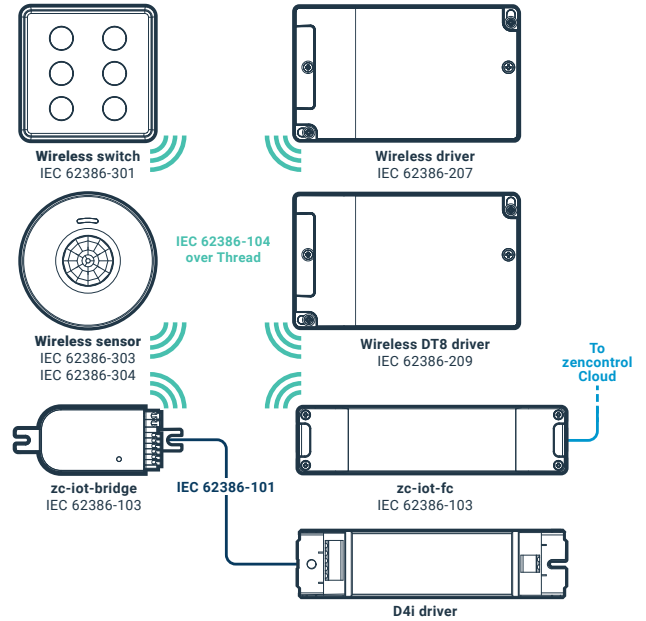
The smart IoT sensor can be wired via the terminals found under the terminal covers, as seen below.



**Wiring**



**Wireless system overview**



**Accessory range**

Fig.	Order code	Description
3	<b>zc-smart-wall-kit</b>	Smart sensor wall mount kit
4	<b>zc-smart-sm-kit</b>	Smart sensor surface mount kit, suitable for surface, rod and conduit mounting
5	<b>zc-rodmount-wht</b>	Rod mount kit, white, to be used with Smart sensor surface mount kit
6	<b>n/a</b>	Conduit mount, not supplied by zencontrol, used with Smart sensor surface mount kit

