



Features

- Programmable via IR remote
- Programmable sensor time-out and switch features
- Inbuilt application controller for standalone control
- Control based on ambient light and motion detection
- Wireless support for IEC62386-104 over Thread meshable wireless network for IoT connectivity
- 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 -302 Absolute switch (IR)
- 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

Features

- Wireless connectivity
- PIR motion sensor
- Light level measurement
- Programmable via IR remote
- Power supply for DALI devices (35mA)
- Wireless support for IEC62386-104 over Thread
- IP65 weatherproof rating with mounting accessory
- 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
- IEC62386-302 Switch (IR)
- IEC62386-301 Switch (x2)

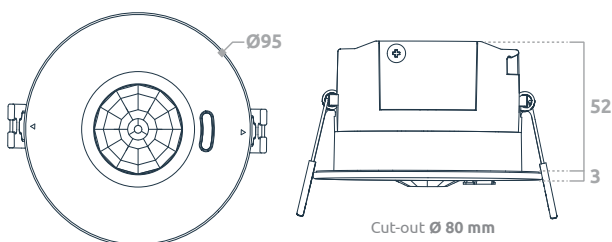
Programmable features (IR)

- 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

Dimensions (mm)



Notice

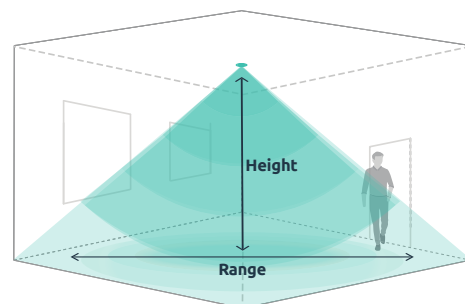
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

Specifications

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 \square 10 A inductive \square 10 A resistive \square
Output voltage rating AC (-vf models)	10 A resistive \square 6 A inductive \square
Output load rating DC (-vf models)	0 - 25 V 3 A resistive \square 25 - 240 V 200 mA resistive \square
Lens	Fresnel
Sensors	PIR, IR, lux
Wireless	IEC62386-104 over Thread
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 62386-104 IEC 62386-302 IEC 60669-2-1 IEC 62386-208 IEC 62386-303 CISPR 15 IEC 62386-301 IEC 62386-304 EN 55015

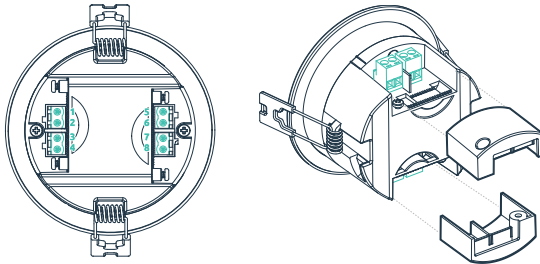
Detection pattern

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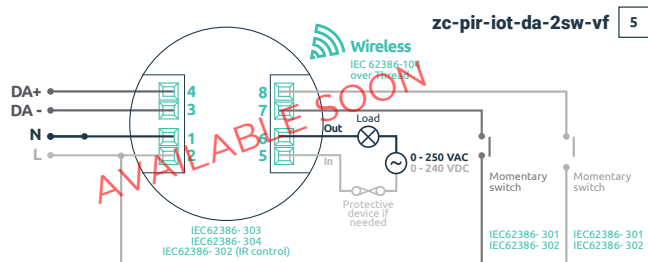
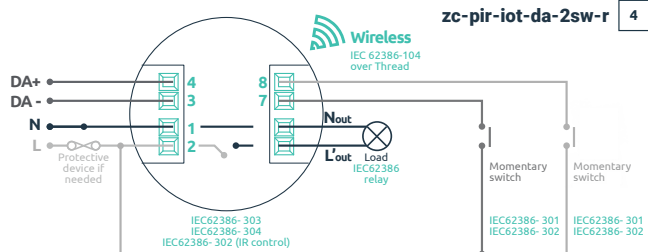
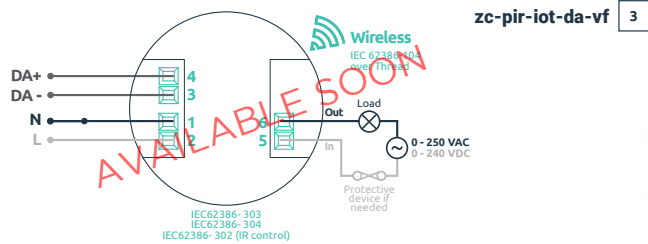
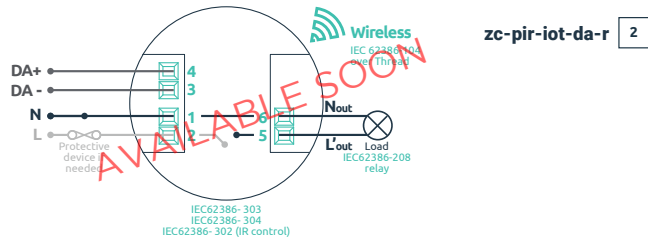
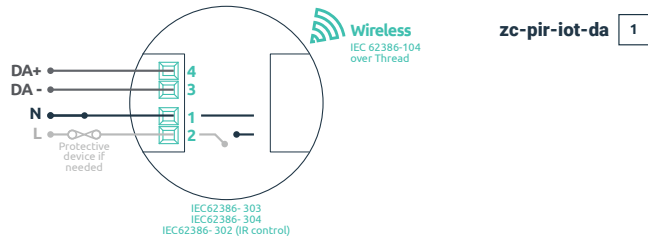


Wiring overview

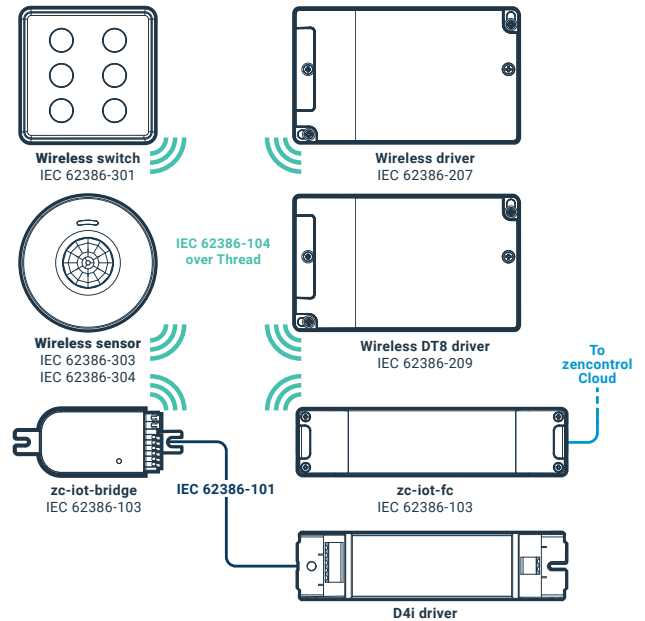
The smart IoT sensor can be wired via the terminals found under the terminal covers, as seen below. The amount of terminals will vary depending on model.



Wiring



Wireless system overview



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

