

**General features**

- Programmable via IR remote
- Inbuilt sensor for eCO₂, eVOC, temperature, sound, humidity
- Inbuilt application controller for standalone control
- Programmable sensor time-out and switch features
- Control based on ambient light and motion detection
- Multiple mounting options available

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)
- IEC62386 -3XX Generic input sensor (x4)

**IEC62386 compliant**

Fully IEC62386 compliant and compatible

**WELL standard**

Suitable to meet the international WELL Building Standard



Product range

Order code	Description
zc-mms-da	Microwave multi-sensor 8 m
zc-mms-da-r	Microwave multi-sensor 8 m, with inbuilt relay
zc-mms-da-vf	Microwave multi-sensor 8 m, with inbuilt volt-free relay
zc-mms-da-2sw-r	Microwave multi-sensor 8 m, with inbuilt relay and two switches
zc-mms-da-2sw-vf	Microwave multi-sensor 8 m, with inbuilt volt-free relay and two switches

Features

- eCO₂ sensor
- eVOC sensor
- Humidity sensor
- Sound level sensor
- Temperature sensor
- Light level measurement
- Microwave motion sensor
- Programmable via IR remote
- 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)
- IEC62386 -3XX Generic input sensor (x4)

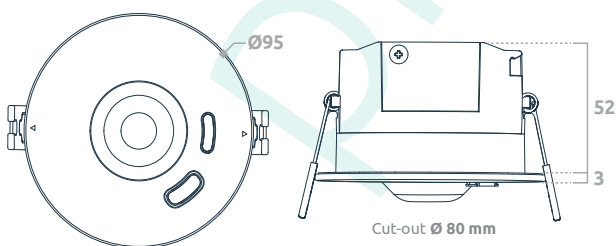
Programmable features (IR)

- 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

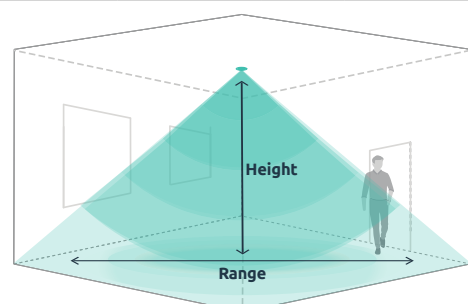
- The DALI line is not SELV. It must be treated like LV mains and treated with the same precautions and wiring regulations.

Specifications

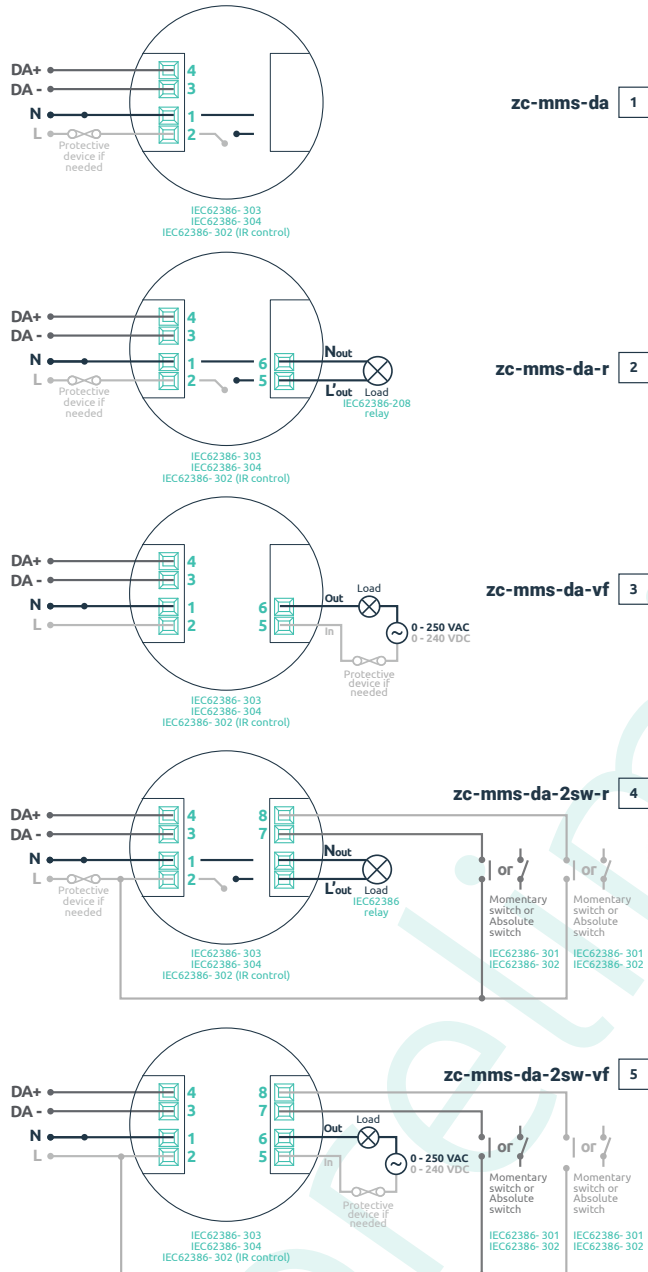
Supply	220 - 240 V AC
Supply current	< 0.1 A
DALI bus current	<2 mA
Relay output (-r models)	165 A / 20 ms inrush current 492 A / 1.5 ms LED inrush current 10 A capacitive ⚡ 10 A inductive ⚡ 10 A resistive ⚡
Output voltage rating AC (-vf model)	10 A resistive ⚡ 6 A inductive ⚡
Output load rating DC (-vf model)	0 - 25 V 3 A resistive ⚡ 25 - 240 V 200 mA resistive ⚡
Sensors	Microwave, IR, lux
Microwave	Microwave 5.8 GHz, 0.2 mms
IR	38 kHz
Temperature	-20°C to 85°C (±1°C) -10°C to 40°C (±0.5°C)
Humidity	0 to 100% (RH±5%)
Lux	0 to 10,000 Lux (±5 %)
TVOC	0 to 60,000 ppb
CO₂eq	0 to 60,000 ppm
Sound level	35 to 100 dBA Leq (±2 dBA Leq)
Wiring	2.5 mm ² cable (no earth, suits round and tps)
Operating temperature	0 to 55°C
Material	PC (body)
Ingress protection	IP20
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

Detection pattern

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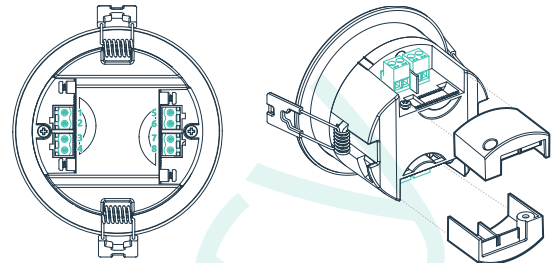


Wiring



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

