



#### Features

- Light level measurement
- Programmable via IR remote
- Programmable sensor time-out
- Switch inputs for switch models
- Programmable switch features
- Multiple mounting options available
- Control based on ambient light and motion detection



#### Weatherproof case

IP65 rating with surface mount accessory case



#### High ceiling

Suitable for mounting on high ceilings up to 12m



#### Motion detection

Detection range 360°  
max. range 8 m



#### Dusk detection

Control based on ambient light and motion detection



## Product range

Order code	Description
<b>zc-mw-st-r</b>	Standalone microwave sensor 8 m, with inbuilt relay
<b>zc-mw-st-vf</b>	Standalone microwave sensor 8 m, with inbuilt volt-free relay
<b>zc-mw-st-1sw-r</b>	Standalone microwave sensor 8 m, with inbuilt relay and one switch
<b>zc-mw-st-1sw-vf</b>	Standalone microwave sensor 8 m, with inbuilt volt-free relay and one switch
<b>zc-mw-st-2sw-r</b>	Standalone microwave sensor 8 m, with inbuilt relay and two switches
<b>zc-mw-st-2sw-vf</b>	Standalone microwave sensor 8 m, with inbuilt volt-free relay and two switches

### Features

- Microwave motion sensor
- Light level measurement
- Programmable via IR remote
- Switch inputs for switch models
- IP65 weatherproof rating with mounting accessory

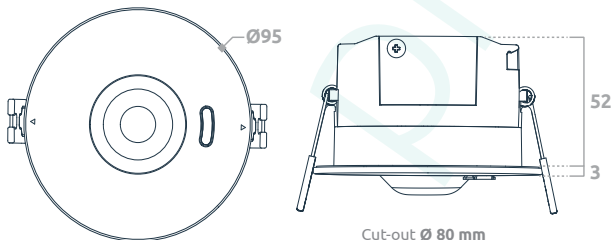
### Programmable features (IR)

- Sensor time-out
- Lux level, dusk (if under lux level, activate sensor)
- Lux level, disable (if over lux level, disable sensor)

### Programmable features (switch)

- Switch type (on / off, absence)
- Switch actions (enable / disable sensor, enable / disable lux)

## Dimensions (mm)

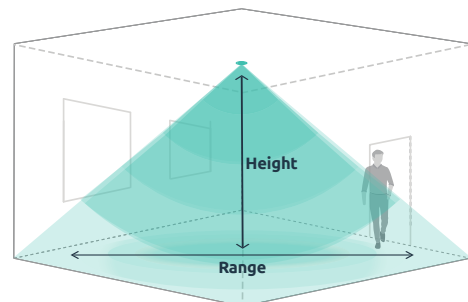


## Specifications

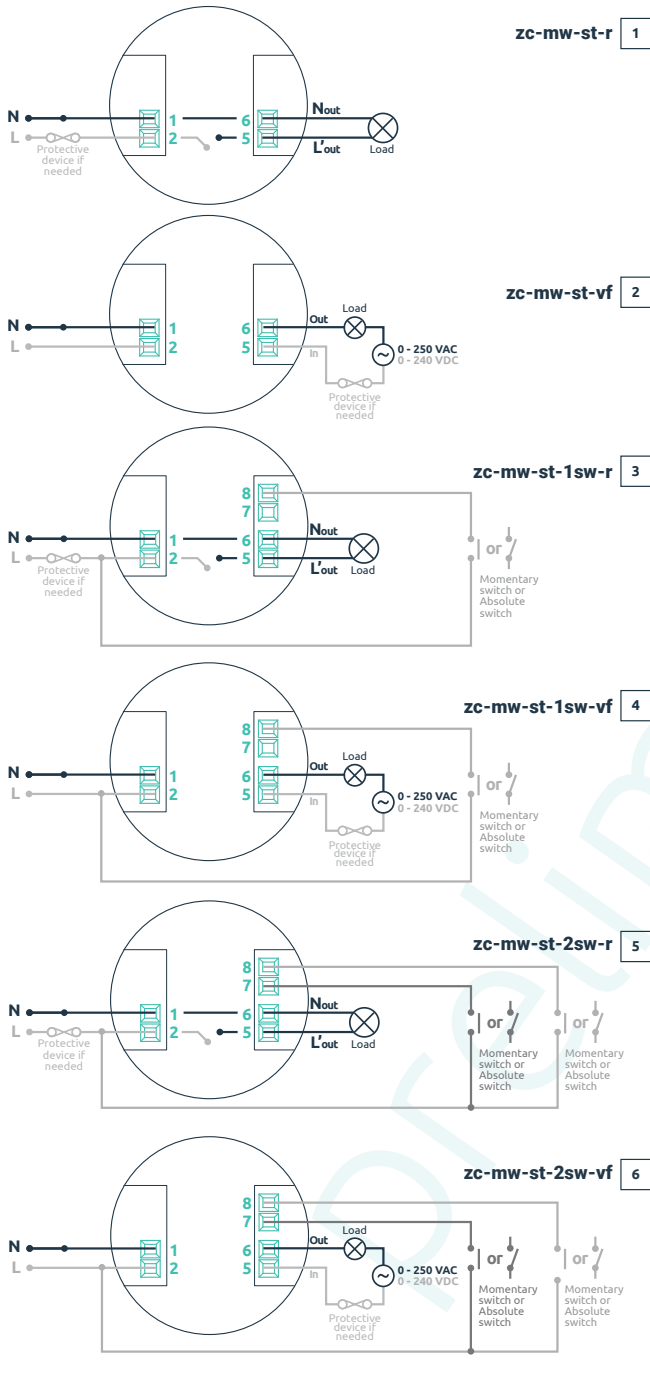
<b>Supply</b>	220 - 240 V AC	
<b>Supply current</b>	< 0.1 A	
<b>Relay output</b> (-r models)	120 A / 20 ms inrush current 10 A resistive ⚡ 6 A inductive ⚡	
<b>Output voltage rating AC</b> (-vf models)	10 A resistive ⚡ 6 A inductive ⚡	
<b>Output load rating DC</b> (-vf models)	0 - 25 V 3 A resistive ⚡ 25 - 240 V 200 mA resistive ⚡	
<b>Sensors</b>	Microwave, IR, lux	
<b>Microwave</b>	Microwave 5.8 GHz, 0.2 mW	
<b>IR</b>	38 kHz	
<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>	IP54 (with seal installed into roof) IP65 (with surface or wall mount)	
<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 60669-2-1	CISPR 15 EN 55015

## Detection pattern

<b>Mounting height</b>	2 - 12 m	<b>Range Ø</b>	8 m (mounted at 2.7 m)
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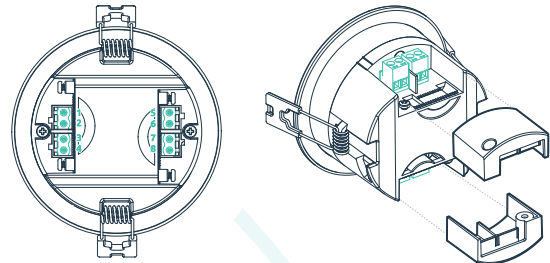


## Wiring



## Wiring overview

The smart 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
7	<b>zc-smart-wall-kit</b>	Smart sensor wall mount kit
8	<b>zc-smart-sm-kit</b>	Smart sensor surface mount kit, suitable for surface, rod and conduit mounting
9	<b>zc-rodmount-wht</b>	Rod mount kit, white, to be used with Smart sensor surface mount kit
10	n/a	Conduit mount, not supplied by zencontrol, used with Smart sensor surface mount kit

7 **Wall mount**



8 **Surface mount**



9 **Rod mount**



10 **Conduit mount**

