

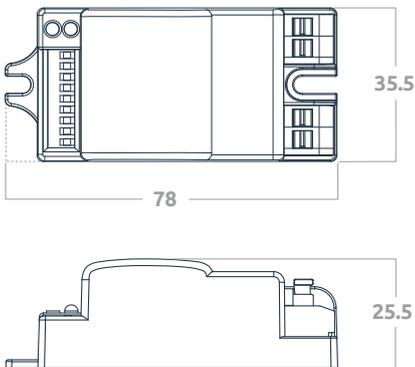
Product range

Order code	Description
zc-mw-basic	Microwave sensor 16 m, internal kit

Features

- Switching capacity max. 800W
- Suitable for wall or ceiling mount
- Supplied with 170 mm cable ready to wire
- Control based on ambient light and motion detection
- 5.8 GHz continuous wave radar, ISM band (industrial, scientific and medical)
- Motion can be detected through plastic, glass and thin non-metal materials
- Zero-crossing operation helps protect the sensor against high in-rush current

Dimensions

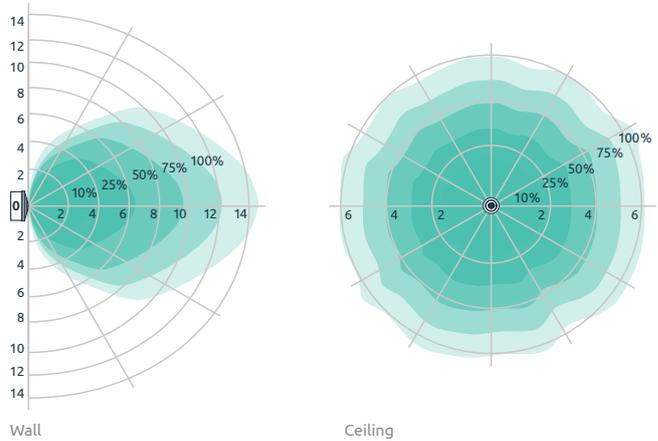


Specifications

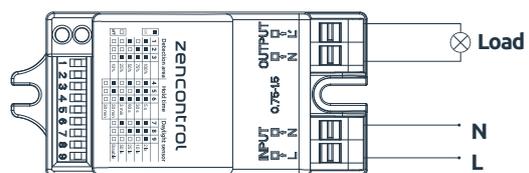
Sensors	Microwave, ambient light
HF system	5.8 GHz CW radar, ISM band, <0.5 mW
Supply voltage	230 V ~
Power consumption	<0.5 W (stand by)
Operating temperature	-20 to 60°C
Output load	800 W resistive ⚡ 400 W inductive ⚡ 200 W capacitive, led ⚡
Min. load	5 W
Detection motion speed	0.5 - 3 m/s
Ingress protection	IP20
Material	PC

Detection pattern

Mounting type	Field of view	Range ø	Installation height
Wall	150°	16 x 6 m	1 - 1.8 m
Ceiling	360°	12 x 12 m	2.5 - 6 m



Wiring diagram



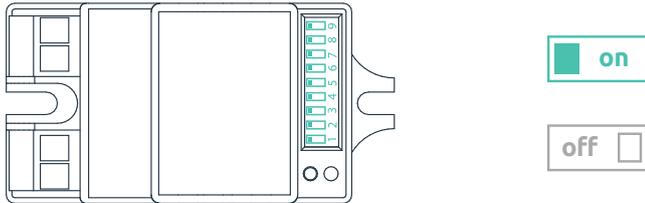
Configuration

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

Daylight The lamp works always, even during daylight

Twilight The lamp works only in twilight and darkness

Darkness The lamp works only in darkness



1	2	3	Range	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	100% (default)	Detection area Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	75%	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	50%	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	25%	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10%	
4	5	6	Hold time	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5 sec (default)	Hold time Refers to the time period the lamp remains at 100% illumination after no motion detected
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30 sec	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	90 sec	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 min	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	20 min	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30 min	
7	8	9	Lux operation	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2 lx darkness operation only	Daylight sensor The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10 lx darkness operation only	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25 lx twilight operation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50 lx twilight operation	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daylight sensor disabled (default)	