zencontrol

Outdoor microwave sensors **datasheet**

Features

- PC UV stabilised material
- Vertically adjustable head
- Switching capacity max. 1200 W
- Wall and ceiling mounting options
- Available in black and white finishes
- 5.8 GHz continous wave radar, ISM band
- Motion can be detected through plastic, glass and thin non-metal materials

Time delay
Adjustable time delay
10 sec - 12 min

Weatherproof
IP44 & IP65 rating
suitable for outdoor use

Motion detection
Detection range 180°
max. range 12 m

Dusk detection
Control based on ambient
light and motion detection

zc-mw-wall

zc-mw-wall-wp

Product range

| Order code	Description
zc-mw-wall	Microwave sensor 12 m, wall mount, IP44, white
zc-mw-wall-wp	Microwave sensor 12 m, wall mount, IP65, white

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Dimensions
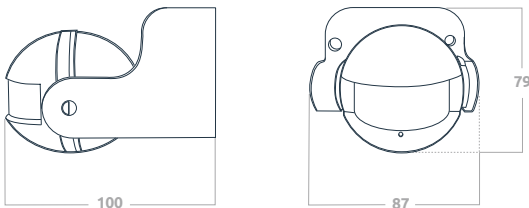
zc-mw-wall Mounting centers **60 x 48 mm**

100   87   79
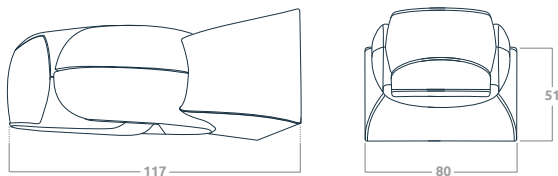
zc-mw-wall-wp Mounting centers **60 x 32mm**

117   80   51

Specifications

Sensors	Microwave, ambient light
HF system	5.8 GHz CW radar, ISM band, <0.2 mW
Supply voltage	230 V ~ 50 Hz
Output load	1200 W resistive ☼ 300 W inductive
Operating temperature	-20 to 40°C
Field of view	180°
Detection range	5 - 12 m (adjustable)
Detection motion speed	0.6 - 1.5 m/s
Time delay	Min. 10 sec ± 3 sec Max. 12 min ± 1 min
Ambient light	<3 - 2000 lux (adjustable)
Ingress protection	IP44 & IP65
Material	PC UV stabilised

Detection pattern

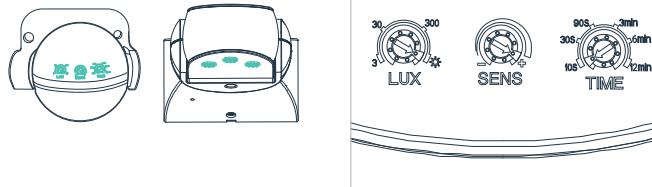| Detection zone	Range ø	Height
Max.	12 m	1.5 - 3.5 m
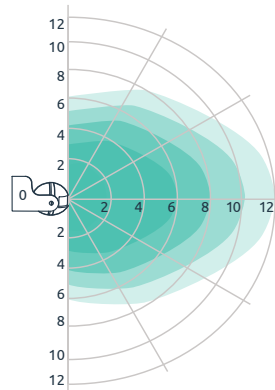
zc-mw-wall
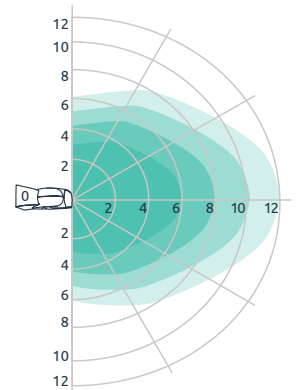
zc-mw-wall-wp

Configuration

By adjusting the rotary dials the sensor 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

Note When testing in daylight the lux rotary dial must be set to maximum for the sensor to trigger.

Hold time	
10 sec	**On-time**
30 sec	Refers to the time period
90 sec	the lamp remains at 100%
3 min	illumination after
6 min	no motion detected
12 min	
Sensitivity	
100% (default)	**Detection area**
75%	Detection area can be reduced
50%	by selecting the desired level
25%	on the rotary dial
10%	
Lux operation	
3 lx darkness operation only	**Light-level**
30 lx darkness operation only	The sensor can be set to only
300 lx twilight operation	allow the lamp to illuminate
☼ daylight sensor disabled	below a defined ambient
	brightness threshold