

zencontrol
zc-mw-st-1sw-r
Standalone
Microwave
Sensor



zencontrol zc-mw-st-1sw-r Standalone Microwave Sensor Owner's Manual

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zencontrol

zencontrol zc-mw-st-1sw-r Standalone Microwave Sensor



Specifications

- **Product:** Standalone microwave sensor zc-mw-st-1sw-r
- **Dimensions:** 28 x 52 x 3 mm
- **Order Code:** zc-mw-st-1sw-r
- **Description:** Standalone microwave sensor 8m, with inbuilt relay and one switch
- **Supply:** 220 – 240 V ~50 Hz
- **Supply Current:** < 0.020 A
- **Relay Output:** Inbuilt relay
- **Lens:** Sensors IR
- **Wiring:** N N L L'out, Link Link, Lsw Momentary Lo switch
- **Operating Temperature:** Not specified
- **Material:** Not specified
- **Ingress Protection:** Not specified

Product Usage Instructions

Safety Information

- This product must only be installed by a licensed electrician.
- Before commencing installation, turn off and isolate the electrical supply. There are no user serviceable parts; attempting to service any part of the product will void the warranty. As the installer, it is your responsibility to ensure compliance with all relevant building and safety codes. Refer to application standards for the relevant rules. Once the installation is complete, leave this manual with the building's owner for future reference.

Installation

1. Remove the product from the box and inspect it for any damage.
 - If you believe the product to be damaged or unsound, do not install it and return it to the place of purchase for replacement.
2. Choose a suitable location considering the conditions listed in the detection pattern section.
3. Drill a mounting hole in the desired position using an 83 mm hole saw.
4. Insert the sensor into the desired position, ensuring that the spring clips automatically release for secure

placement.

5. Remove covers and wire per diagrams provided.
6. Ceiling thickness should not exceed 30 mm.

Remote Control Description

The product features different modes such as Presence Mode, Absence Mode, Lux setting, Dusk level setting, Wireless Walk test, and Reset mode. The user can interact with the sensor using the provided switch and LEDs for feedback on different modes.

Product Range

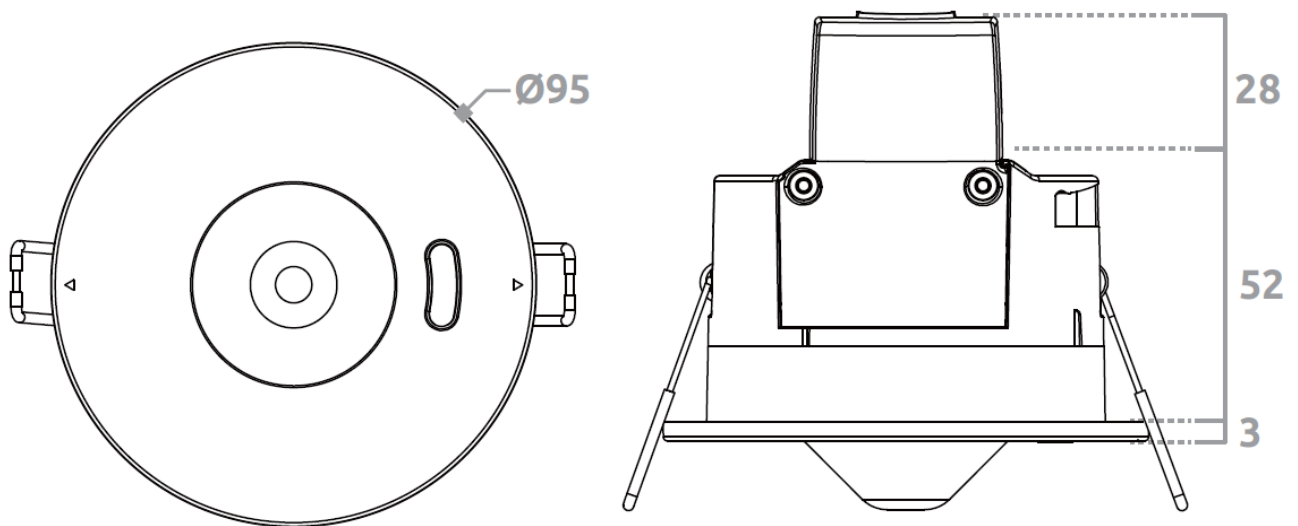
- **Order code:** Description
- **zc-mw-st-1sw-r:** Standalone microwave sensor 8 m, with inbuilt relay and one switch

Specification

- **Supply:** 220 – 240 V ~50 Hz
- **Supply current:** < 0.020 A
- **Relay output(- r models):** 6 A resistive
- **Lens:** Fresnel
- **Sensors:** PIR, IR, lux
- **IR:** 38 kHz
- **Wiring:** 2.5 mm² cable
- **Operating temperature:** 0 – 35°C
- **Material:** PC (body)
- **Ingress protection**
 - IP54 (front-face only)
 - IP65 (with surface or wall mount kit)

Dimensions

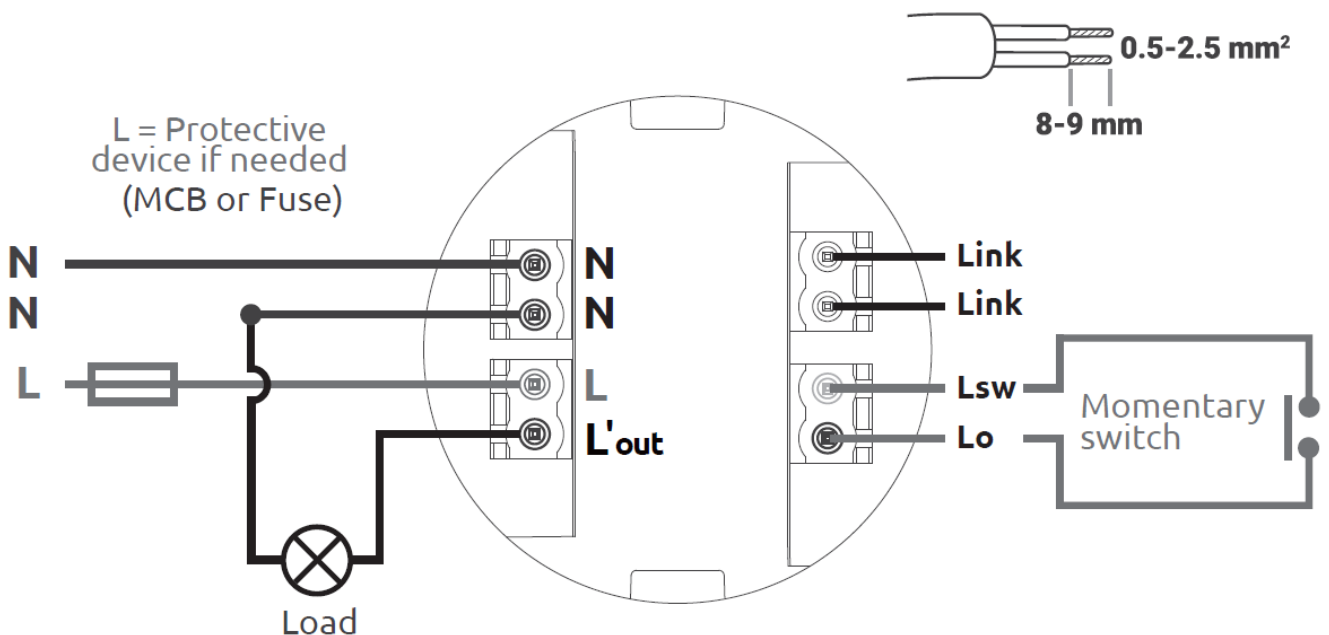
- **Mounting(kits sold separately):**
 - Recessed (cut-out min Ø83 mm)
 - Wall mount kit (mounting centres 85 mm)
 - Surface mount kit
 - Rod mount kit
 - Conduit mount kit (mounting centres 50-60 mm)
- **Dimensions:** Ø95 / 55 mm



Accessory Range

- Order code: Description
- zc-smart-wall-kit: Smart sensor wall mount kit
- zc-smart-sm-kit: Smart sensor surface mount kit, for surface, rod, conduit mount
- zc-ir-ctrl-com: Hand-held infrared control and commissioning unit

Wiring



Safety information

- This product must only be installed by a licensed electrician.
- Before commencing installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty
- As the installer, it is your responsibility to ensure you comply to all relevant building and safety codes. Refer to application standards for the relevant rules.

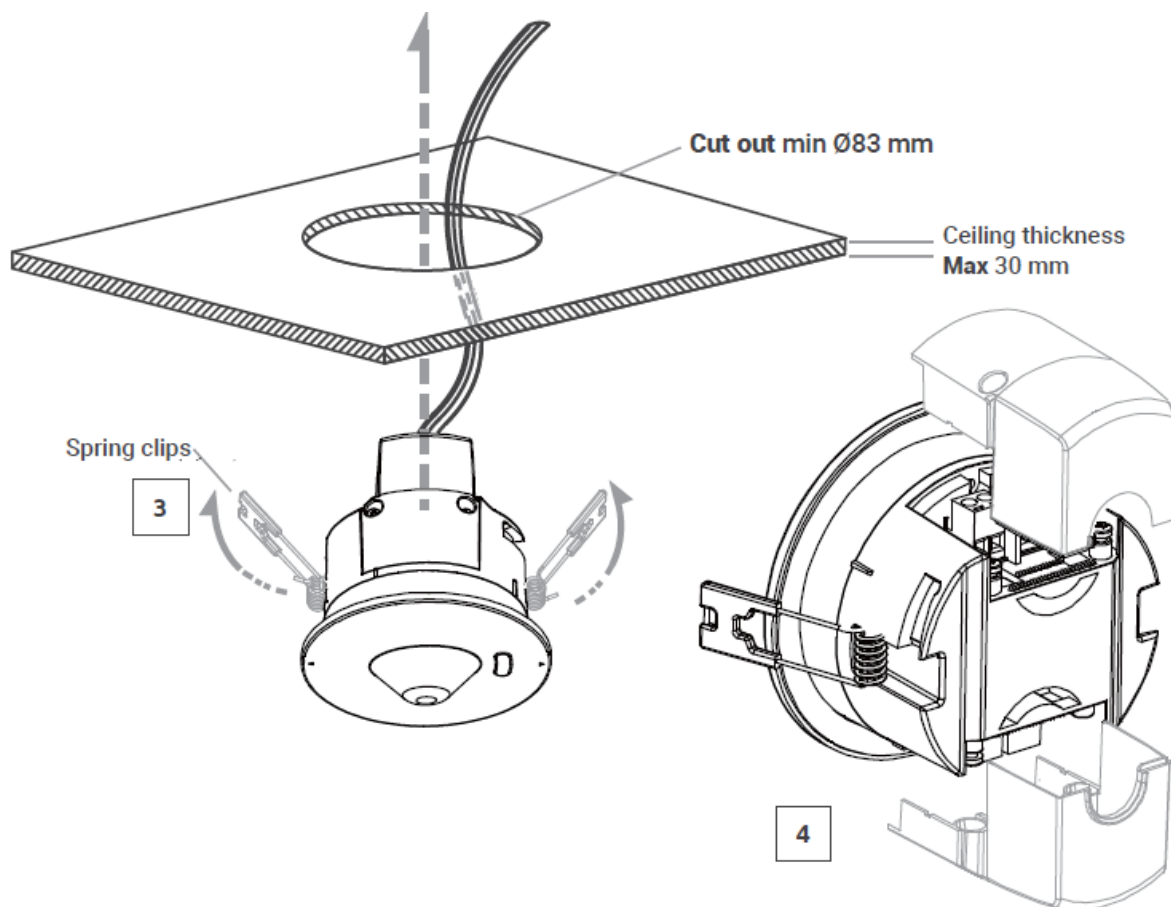
- When the installation is complete, leave this manual with the building's owner for future reference.

Installation

Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, do not install the product. Please return it to the place of purchase for replacement.

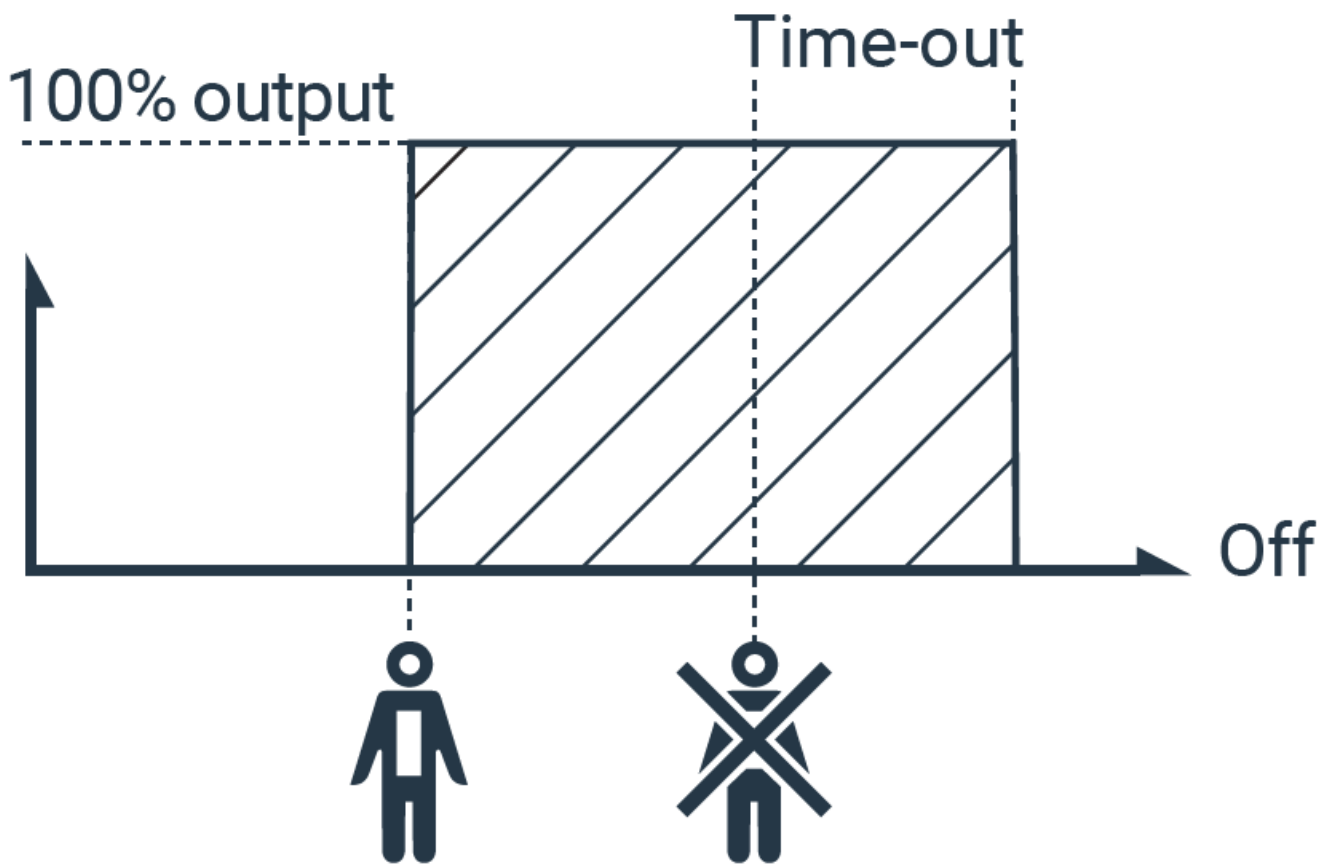
If the product is satisfactory, proceed with the installation:

1. Choose a location considering the conditions listed in the detection pattern section.
2. Drill mounting hole in desired position using 83 mm hole saw.
3. Push the spring clips in as per fig. 3. Insert sensor into the desired position and the spring clips will automatically release, ensuring that the sensor is secure and flush up against the ceiling.
4. Remove covers, as per fig.4, and wire per diagrams overleaf.

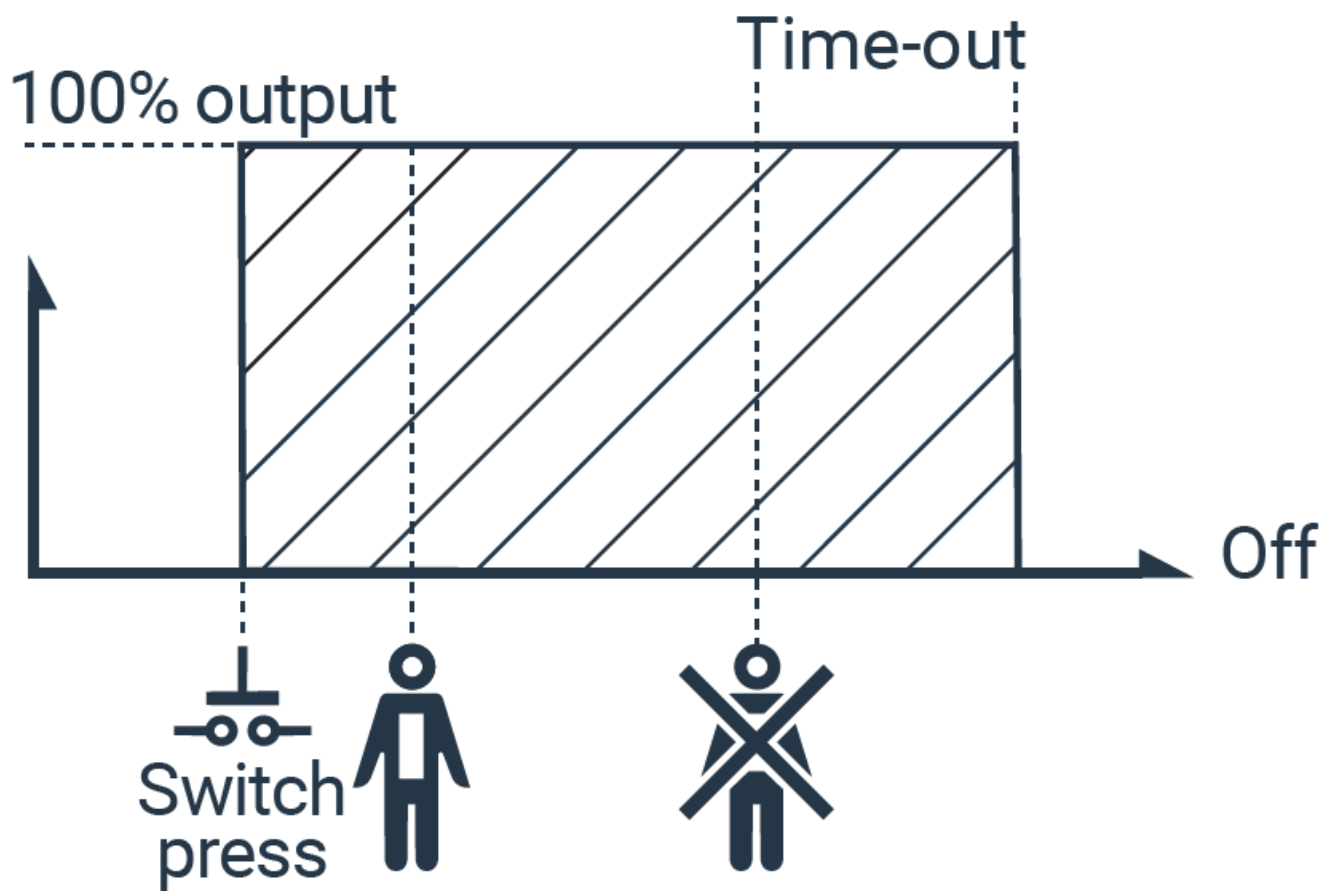


Modes

Presense Mode

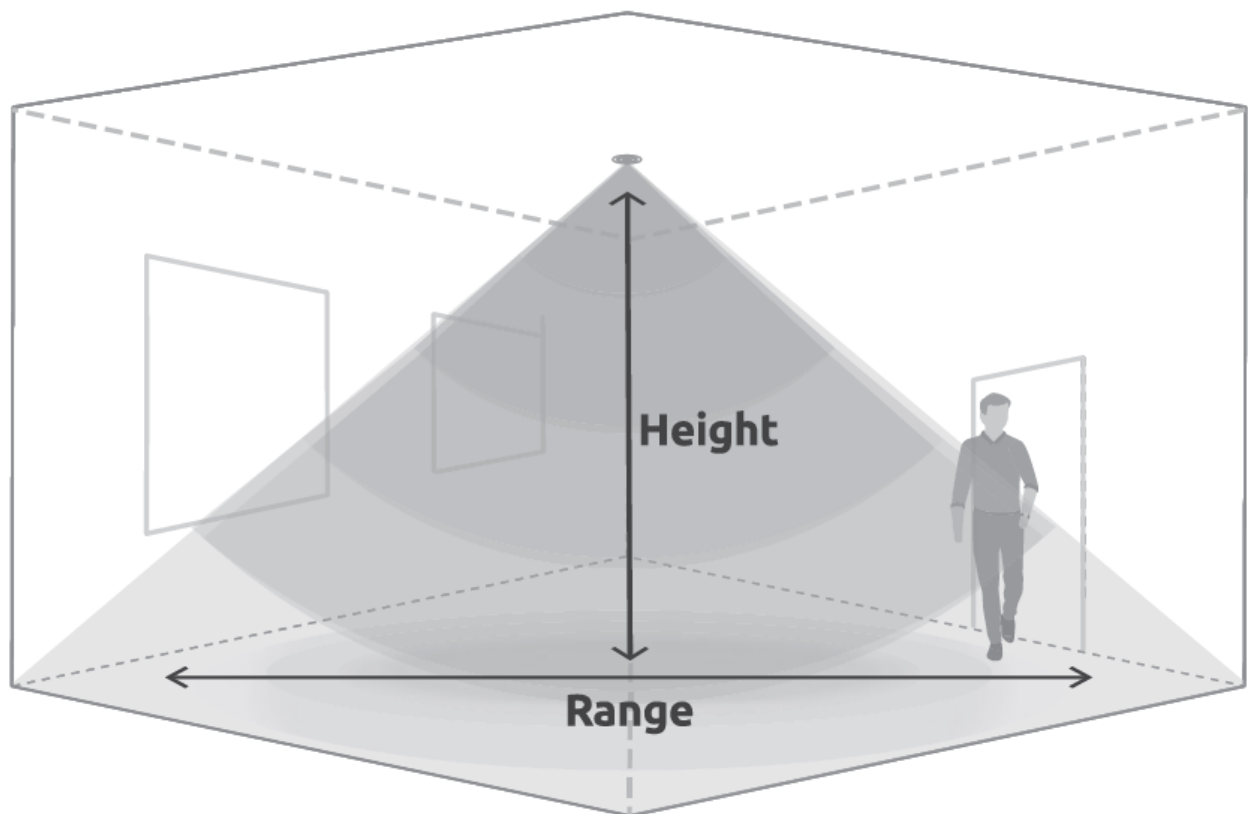


Absense Mode





Detection Pattern

- Mounting height 2- 4m
- Range Ø 8m (mounted at 3.0 m)
- The units detection range may alter with changes in ambient temperature.
- Position sensor so that movement occurs across the scan area. Detection range will be reduced when walking directly towards or away from the sensor.
- Do not direct sensor at reflective surfaces or variable heat sources.
- Do not aim sensor directly at the sun, this may cause damage to the PIR sensor.
- When in Absence Mode the product will have a 30 second grace period after the light turns off, where a user may retrigger the sensor.
- Green LED will flash during detection.
- Red LED will flash on successfully receiving an IR command.






Remote Control description





	On	Switches the luminaire on.
	Off	Switches the luminaire off.




Lux

	Set lux level	When this mode is active, the user may use the up and down arrows to select 5 predetermined lux levels
	Set dusk level	Sets dusk level from current light level. The luminaire will turn on if light level is less than dusk level. while the sensor is on and the ambient lighting becomes too bright the sensor will turn itself off after 10 minutes (even if there is PIR activity)The sensitivity can be adjusted by using the up / down arrows. (While Yellow LED is flashing)
	Disable lux/dusk	Disables lux/dusk mode.


Wireless

	Walk test	Initiates a 3 Minutes walktest The walk test is indicated by a blue flashing LED and can be stopped by pressing off
	Reset mode	Resets product to defaults



Sensor

	Absence mode	Absence mode activated. The switch must be turned on when someone enters a room, but the sensor detects when the room is vacated, switching off the lights automatically. The sensitivity can be adjusted with the step up and step down arrows (While white LED is flashing)
	Presence mode	Presence mode activated. The sensor will automatically turn lights on when movement is detected.(Default) The sensitivity can be adjusted with the step up and step down arrows (While white LED is flashing)
	Disable PIR	Disables the PIR sensor.

General settings

	Reset all	A complete factory reset, clears all settings, including standalone mode settings
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Symbol

	Main Timer	The main timer the period of time for the product to remain on.
	Dwell Timer	When entering the dwell timer mode, the product will flash once, (Infinite Timer is not supported)

FAQ

- **Q: Can I install this product myself?**

- **A:** No, this product must only be installed by a licensed electrician to ensure safety and compliance with relevant regulations.

- **Q: How do I adjust the sensitivity of the sensor?**

- **A:** The sensitivity can be adjusted using the step up and step down arrows provided while following the corresponding LED indications.

- **Q: What is the purpose of the Wireless Walk test mode?**

- **A:** The Wireless Walk test mode initiates a 3-minute walk test indicated by a blue flashing LED, allowing you to test the sensor's functionality within that period.

Documents / Resources

	<p>zencontrol zc-mw-st-1sw-r Standalone Microwave Sensor [pdf] Owner's Manual zc-mw-st-1sw-r, zc-mw-st-1sw-r Standalone Microwave Sensor, zc-mw-st-1sw-r, Standalone Microwave Sensor, Microwave Sensor, Sensor</p>
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References

- [User Manual](#)

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