

Installation (Continued)

- When the sensor receives the second induction signals within the first induction, it will restart to time from the moment.
- Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is less than 3LUX (darkness), the inductor load could work when it receives induction signal.

Note: When testing in daylight, please turn LUX knob to the  (SUN) position, otherwise sensor may not work!

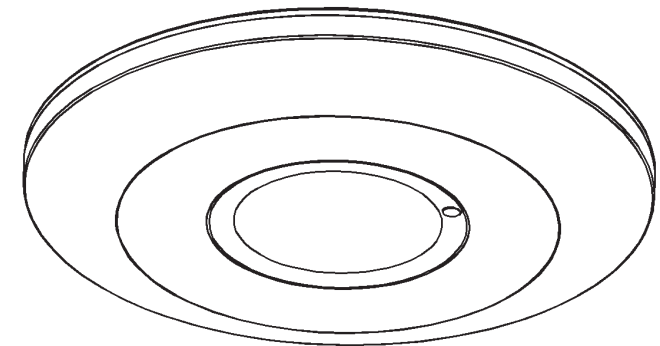
Notes

- Installation must be undertaken by a licensed Electrician.
- Cannot be installed on uneven and shaky surface.
- In front of the sensor, ensure that there is no obstructive object/s affecting the detection.
- Avoid installing it near metal and glass which may affect the sensor.
- For your safety, please do not open the cover if you find a problem after installation.
- In order to avoid the unexpected damage of product, please add a safe device of current 6A when installing microwave sensor, for example, fuse, safe tube etc.

Troubleshooting

- The load does not work:
 - a. Check the power and the load.
 - b. Does the indicator light turn on after sensing? If yes, please check load.
 - c. If the indicator light is not on after sensing, please check if the working light corresponds to the ambient light.
 - d. Please check if the working voltage corresponds to the power source.
- The sensitivity is poor:
 - a. Please check that the front of the sensor has no obstructive object/s that may affect receiving of signals.
 - b. Please check if the signal source is in the detection fields.
 - c. Please check the installation height (2-6m).
- The sensor will not automatically turn off the load:
 - a. Check if there are continual signals in the detection fields.
 - b. Check if the time delay is set to the longest.
 - c. Check if the power corresponds to the instruction.

INSTALLATION MANUAL



MICROWAVE

SENSOR

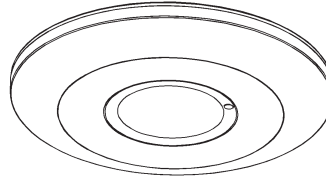
MS-8M-360-SM-MW

Introduction

Welcome to using the POWER-LITE Microwave Sensor!

A new saving-energy product; the microwave sensor uses high-frequency electro-magnetic waves (5.8GHz) and integrated circuit. It gathers automatism,

convenience, safety, saving-energy and practical functions. The wide detection field depends on detectors. It works by receiving human motion. When one enters the detection field, it can start the load at once and automatically identifies day and night. Installation



is very convenient. Detection is possible through doors, panes of glass or thin walls.

Specifications

Power Sourcing: 220-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX (adjustable) Time

Delay: Min.10sec±3sec

Max.12min±1min

Rated Load: 2000W max (Incandescent)

1000W max (Fluorescent & LED)

Detection Range: 360°

Detection Distance: 16m, adjustable HF

System: 5.8GHz CW radar, ISM band

Transmission Power: <0.2mW Installing

Height: 2-6m

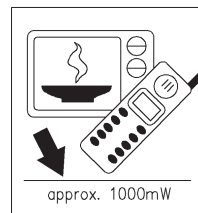
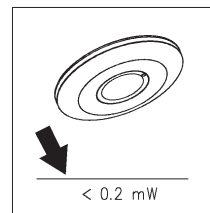
Power Consumption: approx 0.9W

Detection Motion Speed: 0.6-1.5m/s

Function

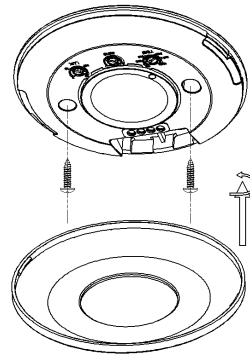
- Can identify between day time and night time when it is adjusted on the "sun" position (max). When adjusted on the "3" position (min), it will work under less than 3LUX. As for the adjustment pattern, please refer to the testing method.
- SENS (sensitivity) adjustable: It can be adjusted according to the location. The detection distance at low sensitivity can be set to just 2m and high sensitivity of up to 16m, making it suitable for large spaces. Height-dependent.
- Time-Delay is added continually: When it receives the second induction signal within the first induction, it will restart to time from the moment.
- Time-Delay is adjustable. It can be set according to the user's needs. The minimum time is 10sec ±3sec. The maximum is 12min±1min.

NOTE: The high-frequency output of the HF sensor is <0.2mW- that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven.

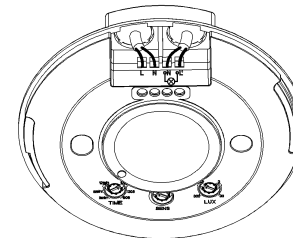


Installation

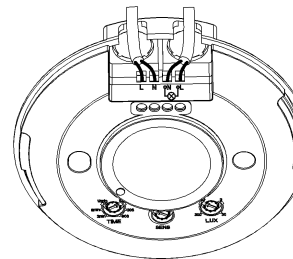
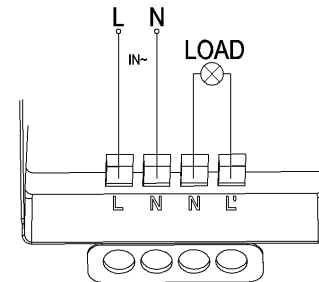
- Please turn the upper cover anti-clockwise as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install the upper cover back on the sensor, then you can switch on the power and test it.



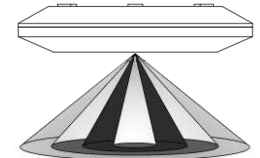
Connection-Wire Diagram



The wires come in and out from the bottom



The wires come in and out from the side



16m Detection Distance

Test

- Turn the TIME knob anti-clockwise on the minimum (10s). Turn the SENS knob clockwise on the maximum (+). Turn the LUX knob clockwise on the maximum (sun).
- Turn on the power, the light will turn on at once. After 10sec±3sec later, the light will go out for the first time and then sensing, the load should be worked.

