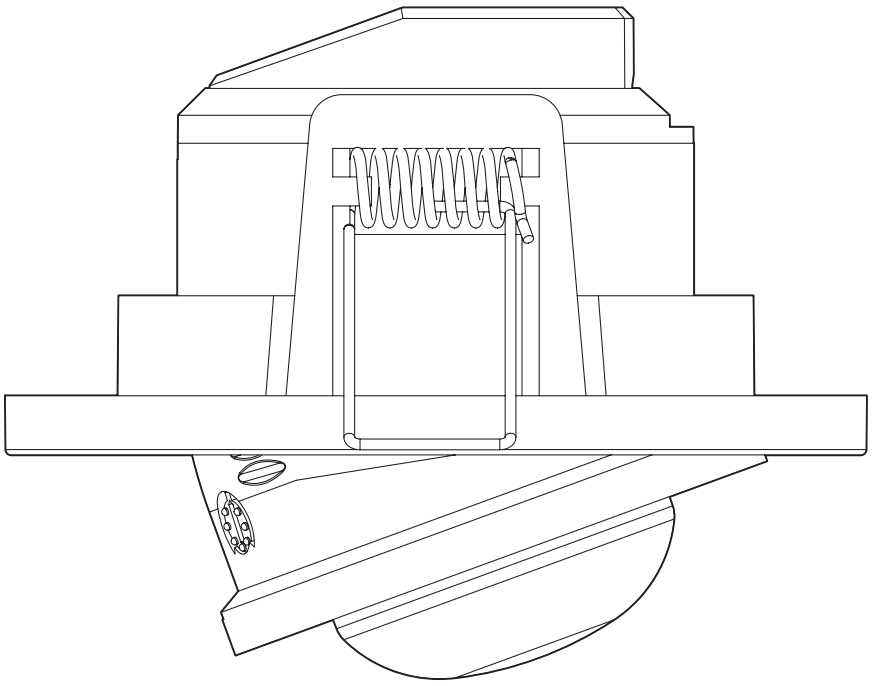
LEDVANCE LMS
Sensor Value Microwave

MS-SV-MIC-CR-A-360-230V-IP20



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Product Features:

a. Microwave motion sensor with integrated photocell sensing function can help to save power consumption via turn on and turn off the power according to its setting;
b. Selectable time delay period from 10 seconds to 15 minutes via knob switch;
c. Selectable daylight sensing level from 3 lux to 2000 lux via knob switch.
d. The sensor can detect the signal passing through the door, glass or thin walls which are not made of metal material;

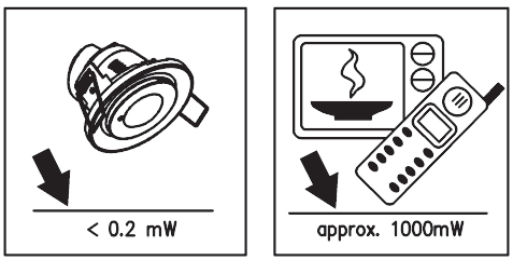
Product Specification:

a. a. Microwave: High-Frequency 5.8GHz CW radar, ISM band
b. Power Input: 220-240V/AC
c. Input Frequency: 50/60Hz
d. Detection Range: 360°
e. Installing Height: 1.5~3.5m
f. Ambient Light (Selectable): <3 – 2000 LUX
g. Time-Delay (Selectable):
   - Min: 10sec±3sec
   - Max:15min±3min
h. Nominal Power Consumption: 0.9W
i. Transmission Power: <10mW
j. Maximum Rated Load:
   - 1200W (incandescent lamp)
   - 300W (energy-saving /led-lamp)
k. Detection Motion Speed: 0.6~1.5m/s
l. Detection Distance: 8m (radius) (<24°C)

Selectable Functions via Knob Switch:

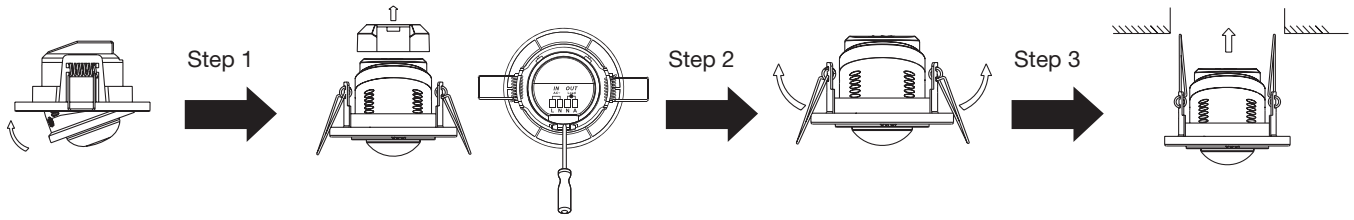
a. Selectable daylight luminance level: Sensing luminance level can work both in the daytime and at night when you select the “sun” position (max) via knob switch. It can work in the environment when the luminance less than 3LUX when it is adjusted on the “3” position (min). As for the adjustment pattern, please refer to the testing pattern.
b. Time-Delay is added continually: When sensor receives the second induction signal after the first induction, it will perform the time delay period again according to the 2nd induction.
c. Selective time delay period length: It can be set according to the consumer’s desire. The minimum delay period is 10sec±3sec. The maximum delay period is 12min±1min.

Note: The high-frequency output of the HF sensor is <10Mw- that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven, the baby cannot touch it.



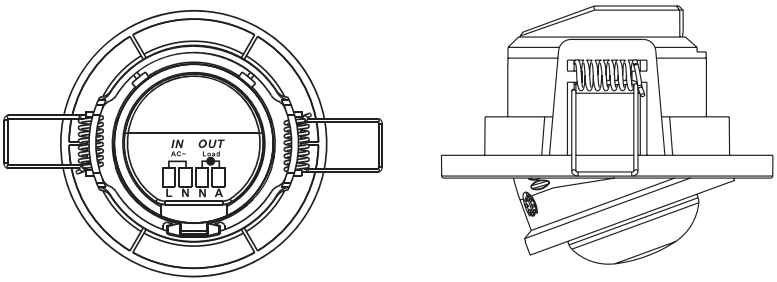
Installation Guide and product diagram
How to Install:

a. Switch off the power.
b. Fix the bottom on the selected position with the inflated screw through the screw holes at the side of the sensor.
c. Open the transparent cover at the bottom of the sensor.
d. Loose the screws in the connection terminal and then connect the power and loads to the connection terminal of sensor according to wire connection diagram.
e. Tighten the screw and put the transparent cover into the original location
f. Fold the metal spring of the sensor upwards and then put the sensor into the hole or installation box which is on the ceiling.
g. Release the spring, the sensor will be set in this installation position.
h. After finishing the installation, the sensor could be connected to the power and tested with power on.

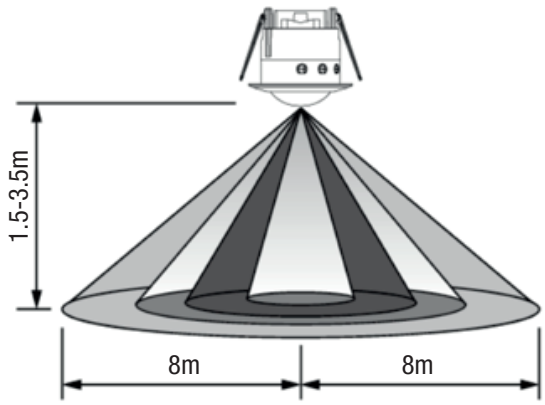


Wire Connection diagram:

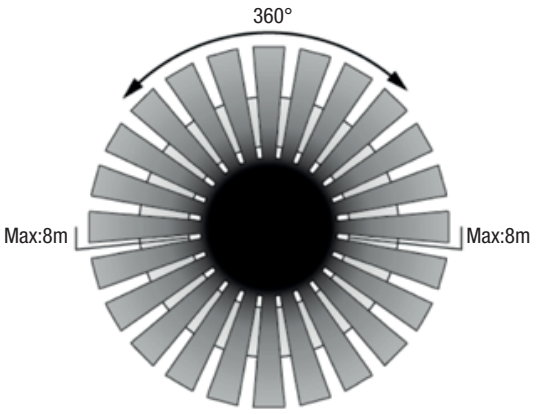
(See the right figure)



SENSOR INFORMATION



Height of installation: 1.5-3.5m



Detection Distance: Max.16m

Testing Before Using:

a. Turn the LUX knob clockwise to the maximum (sun). Turn the SENS knob clockwise on the maximum (+). Turn the TIME knob anti-clockwise on the minimum (10s).
b. When you switch on the power, the light will be on at once and 10sec±3sec later the light will be off automatically. Then if the sensor receives induction signal again, it can work normally.
c. When the sensor receives the second induction signals within the first induction, it will restart to time from that moment.
d. Turn LUX knob anti-clockwise to the minimum (3). If the ambient light is less than 3LUX (darkest), the inductor load could work when it receives induction signal.

Note: When testing in daylight, please turn LUX knob to ☼ (SUN) position, otherwise the sensor could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

Warnings:

a. The product should be installed by licensed electricians.
b. The product should not be installed on any uneven or moving objects or surface.
c. Please do not put any obstacles or unrest objects in front of the detection window to influence the detection.
d. Please do not put the sensor near the area which is having tremendous changes of temperature such as air conditioner or central heater.
e. Please don't open the case after installation.
f. In order to avoid the unexpected damage of product, please add a 6A safety insurance device whilst installing the sensor such as fuse or safe tube.

Basic Malfunctions Detection and Troubleshooting

a. If the load cannot work:
   a) Check the power and the load.
   b) Whether the indicator light is turned on after sensing or not? If yes, please check the load.
   c) If the indicator light does not turn 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.
b. The sensitivity is poor:
   a) Please check if in front of the detection window there are any obstacles that disturb the signals receiving.
   b) Please check the ambient temperature.
   c) Please check if the signals source is in the detection fields.
   d) Please check if the installation height is within the indicated height level.
c. The sensor can't turn off the load automatically:
   a) If there are continual signals in the detection fields.
   b) If the time delay is set to the longest.
   c) If the power input is following the instruction.
   d) If the environment temperature changes a lot due to its installation location is very close to air conditioners or central heater.

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