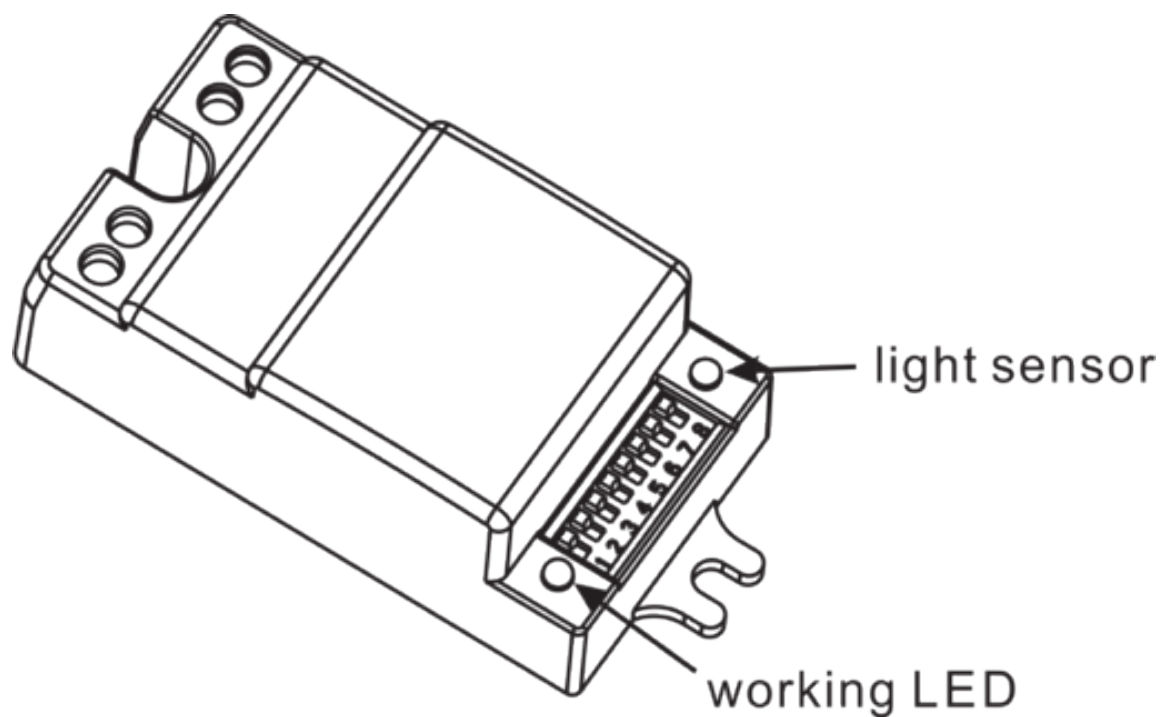


LEDVANCE LMS

Sensor Value Microwave

MS-SV-MIC-IL-360-230V-IP20



LEDVANCE LMS Sensor Value Microwave

Product Features:

- 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;
- Selectable detection ranges from 2 meters to 10 meters via dip switch;
- Selectable time delay period from 10 seconds to 30 minutes via dip switch;
- Selectable daylight sensing level from 5 lux to 300 lux via dip switch. It is also capable to work for whole day without notifying any light conditions in the application environment;
- The sensor can detect the signal passing through the door, glass or thin walls which are not made of metal material;

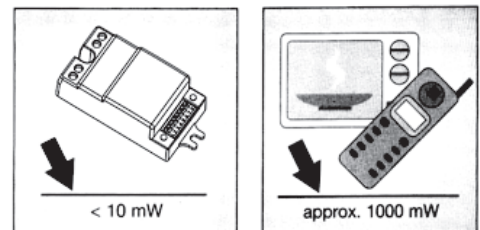
Product Specification:

- Microwave: High-Frequency 5.8GHz CW radar, ISM band
- Power Input: 220-240V/AC
- Input Frequency: 50/60Hz
- Detection Range: 360° Ceiling/180°Wall
- Installing Height: 1.5~4m
- Ambient Light (Selectable): 5LUX/30LUX/100LUX/300LUX/ Full DAY
- Time-Delay (Selectable):10Sec/60Sec/5Min/12Min/15Min
- Nominal Power Consumption: 0.9W
- Transmission Power: <10mW
- Maximum Rated Load:
 - 1200W (incandescent lamp)
 - 300W (energy-saving /led-lamp)
- Detection Motion Speed: 0.6~1.5m/s
- Detection Distance (selectable): 2-10m (radius) (<24°C)

Selectable Functions via Dip Switch:

- Selectable daylight luminance level: Sensing luminance level can work both in the daytime and at night when you select the "DAY" position (max) via dip switch. It can work in the environment when the luminance less than 5LUX when it is adjusted on the "5L" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Selectable sensitivity (SENS) distance: Sensitivity can be adjusted according to application enquiry. Lowest sensitivity is with 2m detection diameter and highest sensitivity is with 10m which is suitable for large area.
- 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.
- 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 15min±3min.

Note: The high-frequency output of this sensor is only <10Mw- which is just one 100th of the transmission power of a mobile phone or the output of a microwave oven.



Installation Guide and product diagram

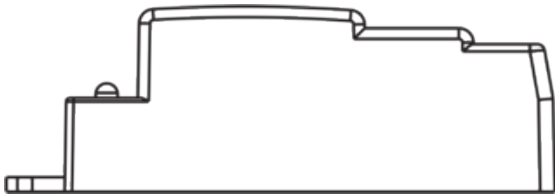
How to Install:





























- Switch off the power.
- Fix the bottom on the selected position with the inflated screw through the screw holes at the side of the sensor.
- Connecting the power and the load to sensor according to the wire connection diagram.
- Switch on the power and test it according to the testing guide.

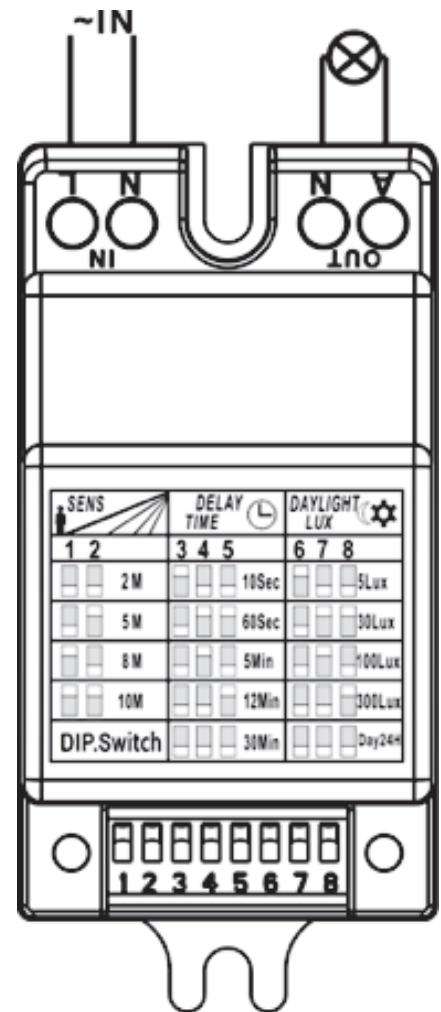
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Wire Connection diagram:

- Connect N, L with power;
- Connect A, N with load



SENS 		DELAY TIME 			DAYLIGHT LUX 		
1	2	3	4	5	6	7	8
	 2 M			10Sec			5Lux
	5 M			60Sec			30Lux
	8 M			5Min			100Lux
	10M			12Min			300Lux
DIP.Switch				30Min			Day24H



Testing Before Using:

- Turn the LUX switch to “DAY24H” on the maximum and turn the TIME switch to “10Sec” on the minimum. Then turn the SENS switch to “10M” on the maximum.
- When you switch on the power, the light will be on at once, and 5-30 seconds later will be off automatically. Then if the light receives induction signal, it can work normally.
- After 5-10sec of the first detection, the light could work again. If there is no induction signal, the load should be stopped working within 5-15sec.

Note: If the load is > 60W, the distance between lamp and sensor should be longer than 60cm.

Warnings:

- a. The product should be installed by licensed electricians.
- b. The product should not be installed on any 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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2019-09-04

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