

# sensinova

## SN-MW757

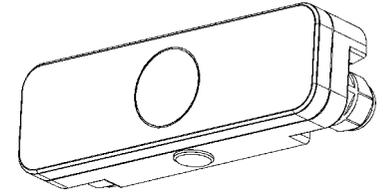
### Microwave Sensor



## Instruction

### Welcome to use SN-MW57 Microwave Sensor!

The product is a new saving-energy switch; it adopts microwave sensor mould with high-frequency electro-magnetic wave (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 identify automatically day and night. Its installation is very convenient and its using is very wide. Detection is possible to go through doors, panes of glass or thin walls.



### SPECIFICATION:

Power Sourcing: 220 -240V/AC

Power Frequency: 50/60Hz

Daylight Sensor: 25lux/2000lux (choice)

HF System: 5.8GHz CW radar, ISM band

Installing Height: 1.5-3.5m

Rated Load: 1200W   
300W 

Detection Range: 180°

Detection Distance: 7.5m/15m (choice)

Detection Range: 50%,100% (choice)

Hold Time: 5s, 90s, 3min, 20min (choice)

Transmission Power: <0.2mW

Power Consumption: approx 0.9W

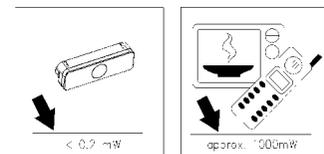
Detection Motion Speed: 0.6-1.5m/s

**IP-65**

### FUNCTION:

- Can identify day and night automatically: when turn to SUN ((above is SUN)), it will work day and night, when turn it to MOON (below is moon), it will only work in the ambient light less than 25LUX. As for adjustment, please refer to testing way.
- SENS adjustable: It can be adjusted according to using location. The detection distance of low sensitivity could be only 7.5m and high sensitivity could be 15m which fits for large room.
- Hold Time is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.
- Hold Time is adjustable. It can be set according to the consumer's desire. The minimum time is 5sec. The maximum is 30min.

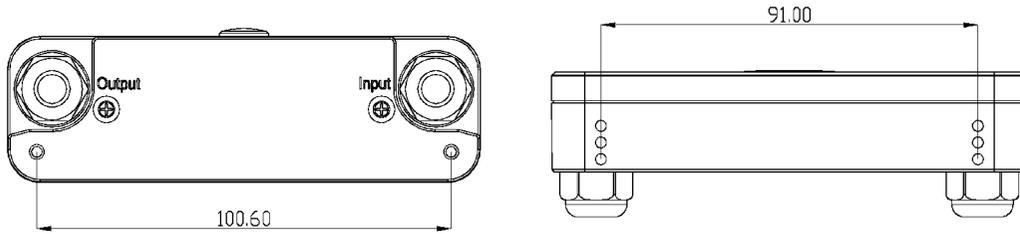
**NOTE: the high-frequency output of the HF sensor is <0.2mW- that is just one 5000<sup>th</sup> of the transmission power of a mobile**



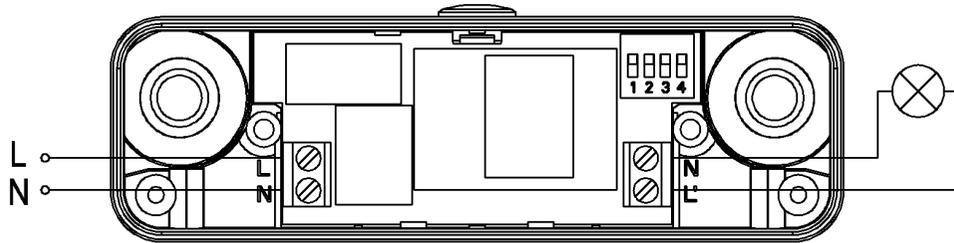
phone or the output of a microwave oven, the baby can't touch it

**INSTALLATION:** (see the diagram)

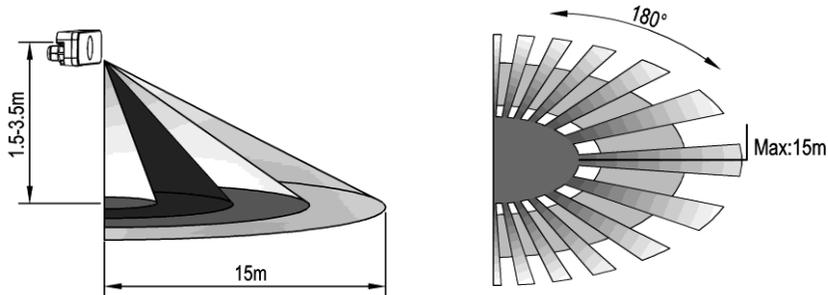
- Switch off the power.
- Connecting the power and the load to sensor as per the connection-wire sketch diagram.
- Switch on the power and test it



**CONNECTION-WIRE DIAGRAM:**



**SENSOR INFORMATION:**

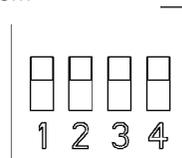


Height of installation: 1.5-3.5m

Detection Distance: Max.15m

**TEST:**

- Slide the all knobs on "above" position. When you switch on the power, the light will be on at once. And 5sec later the light will be off automatically. Then if the sensor receives induction signal again, it can work normally.



●	Detection Range		Hold Time		Daylight Sensor	
	1		2	3	4	
I ●	100%		I ●	5S	I ●	2000Lux
II ○	50%		II ○	90S	II ○	25Lux
			III ●	3min		
			IV ○	20min		

- When the sensor receives the second induction signals within the first induction, it will restart to time from the moment.
- Turn Daylight Sensor knob on below (25LUX). If the ambient light is less than 25LUX, 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 lamp could not work!**

**NOTES:**

- Electrician or experienced human can install it.
- Can not be installed on the uneven and shaky surface
- In front of the sensor there shouldn't be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety, please don't open the case if you find hitch 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.

**SOME PROBLEM AND SOLVED WAY:**

- The load don't work:
  - Check the power and the load.
  - Whether the indicator light is turned on after sensing? If yes, please check load.
  - If the indicator light is not on after sensing, please check if the working light corresponds to the ambient light.
  - Please check if the working voltage corresponds to the power source.
- The sensitivity is poor:
  - Please check if in front of the sensor there shouldn't be obstructive object that affect to receive the signals.
  - Please check if the signal source is in the detection fields.
  - Please check the installation height.
- The sensor can't shut automatically the load:
  - If there are continual signals in the detection fields.
  - If the time delay is set to the longest.
  - If the power corresponds to the instruction.