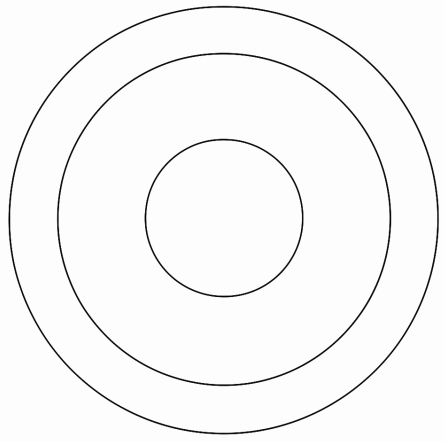
ZESWIN

S2+ Microwave Motion Sensor

Welcome to the S2 Microwave Motion Sensor!

The product is a new energy-saving product; it adopts a microwave sensor sensor module with high-frequency electromagnetic waves (5.8 GHz) and an integrated circuit. It gathers automatism, convenience, safety, energy saving, and practical functions. The wide detection field depends on the detectors. It works by receiving human motion. When one enters the detection field, it can start start the load at once and automatically identify day and night. Its installation is very convenient and its use is very wide. Detection is possible through doors, panes of glass, or thin walls.



SPECIFICATIONS:

Power Source: 220 -240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX (adjustable)

Time Delay: Min. 10sec±3sec
Max. 12min±1min

Rated Load: 2000W
1000W

Power Consumption: Approx. 0.9W

Detection Range: 360°

Power Frequency: 50/60Hz

Detection Distance: 1-8m (radius), adjustable

HF System: 5.8GHz CW radar, ISM band

Transmission Power: <0.2mW

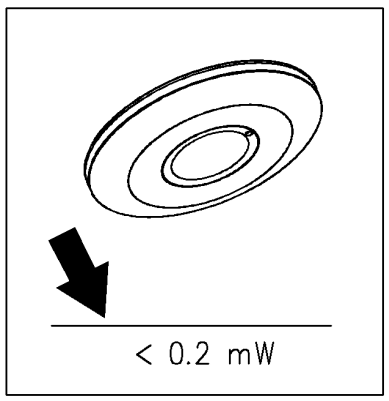
Installing Height: 2-6m

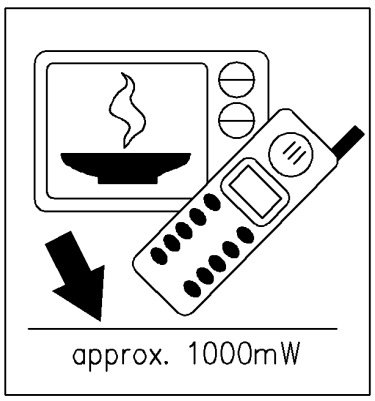
Detection Motion Speed: 0.6-1.5m/s

FUNCTIONS:

- Can identify day and night: It can work in the daytime and at night when it is adjusted on the “sun” position (max). It can work in the ambient light less than 3LUX when it is adjusted on the “3” position (min). As for the adjustment pattern, please refer to the testing pattern.
- SENS adjustable: It can be adjusted according to using location. The detection distance of low sensitivity could be only 2m and high sensitivity could be 16m which fits for large room.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.
- Time—Delay is adjustable. It can be set according to the consumer’s desire. The minimum time is 10sec±3sec. The maximum is 12min±1min.

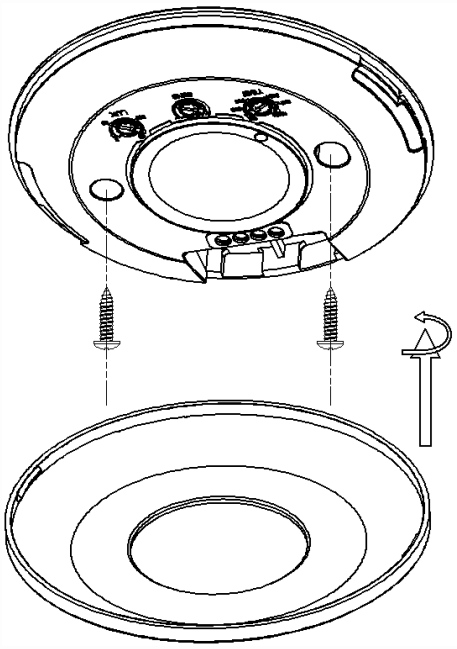
NOTE: the high-frequency output of the HF sensor is <0.2Mw- that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven, the baby can't touch it.



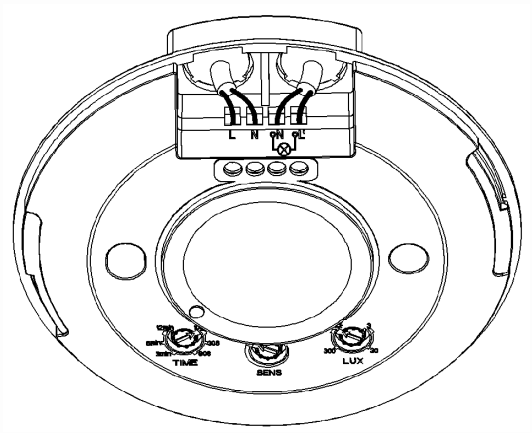


INSTALLATION: (See the diagram)

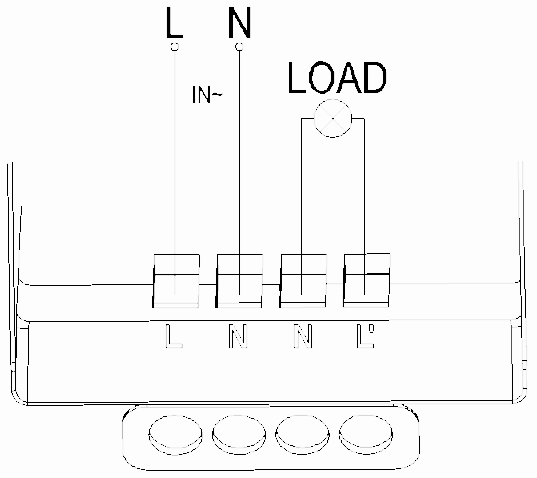
- Please move the upper cover with anti-clockwise whirl as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install back the upper cover on the sensor, then you could switch on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

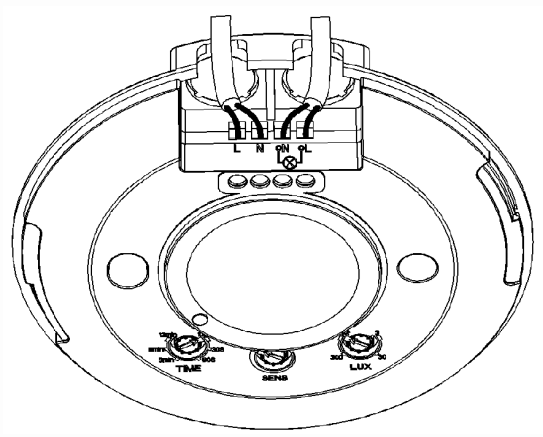


CONNECTION-WIRE DIAGRAM:



The wires come in and out from the bottom

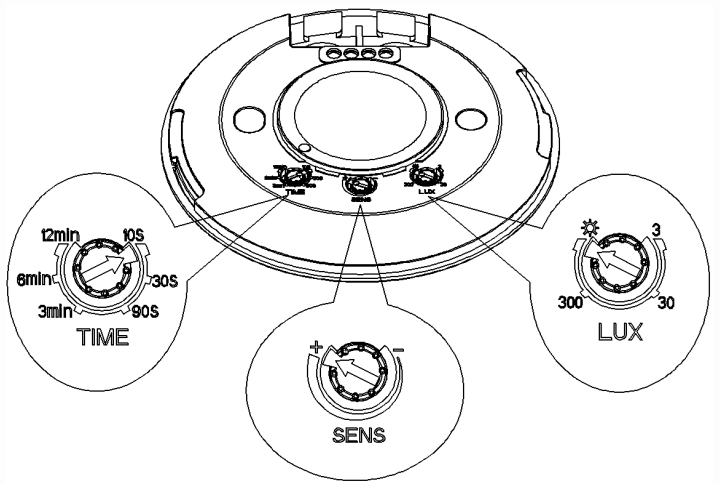




The wires come in and out from the side

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).



- 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.

- 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 ☼ (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 PROBLEMS & THEIR SOLUTIONS:

The load does not work:

a. Check the power and the load.
b. Whether the indicator light is turned 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 if in front of the sensor there shouldn't be obstructive object that affect to receive the signals.
b. Please check if the signal source is in the detection fields.
c. Please check the installation height.

The sensor can't shut automatically the load:

a. If there are continual signals in the detection fields
b. If the time delay is set to the longest.
c. If the power corresponds to the instruction.