

Probleme Shooting

The lamp does not work:

- a) Check the power connection of the lamp.
- b) Whether the indicator light on the sensor is turned on after sensing? If so, please check the lamp.
- c) If the indicator light on the sensor 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:

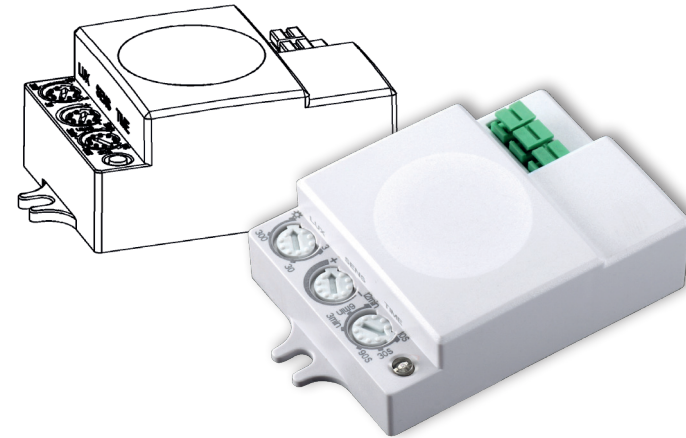
- a) Please check if in front of the sensor there are obstructive objects that affect to receive the signals.
- b) Please check if the signal source is in the detection fields.
- c) Please check the installation height.

The sensor cannot automatically shut down the lamp:

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



MB151 Mikrowave Sensor



Importeur:
LEDmaxx GmbH
Wiesenweg 2
D-97353 Wiesentheid
www.ledmaxx.de

Welcome to use MB151 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. The wide detection field is consisting of detectors. When one enters the detection field, it can start the function at once and automatically identify day and night. Detection is possible to go through doors, panes of glass or thin walls.

Technische Daten

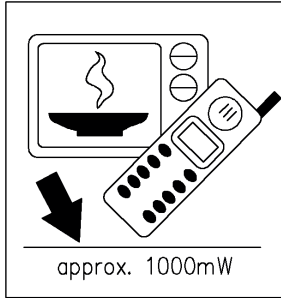
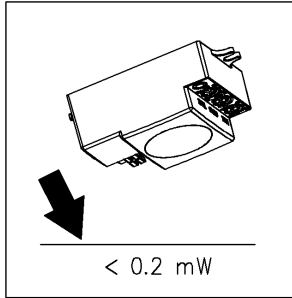
Power Source:	220-240V AC 50 /60 Hz
Ambient Light:	<3-2000 LUX (adjustable)
Time Control:	Min. 10sec±3sec Max. 12min±1min
Rated Load:	Max. 1200W (Incandescence, Halogen Light)) Max. 300W (Fluorescence, LED Light, Energy saving lamp)
Detection Moving Speed:	0,6-1,5m/s

Detection Range:	180° (wall) 360° (ceiling)
Detection Distance:	5-15 m (wall, adjustable) 1-8 m Radius (ceiling, adjustable)
Working Temperature:	-20~+40°C
Power Consumption:	0,9W
Installation Height:	1.5-3.5 m (wall) 2-8 m (ceiling)

Function

- 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 3 LUX 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-Control is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.

The high-frequency output of the HF sensor is <math><0.2\text{mW}</math>- that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven.



Notes

- Must be installed by professional electrician.
- Cannot be installed on the uneven and shaky surfaces.
- In front of the sensor there should not be obstructive object affecting detection.
- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Please do not open the case if you find hitch after installation.
- 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.

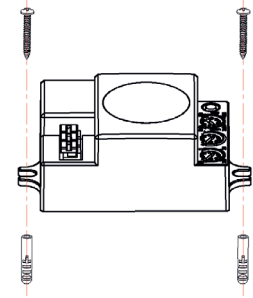


Danger of death through electric shock!

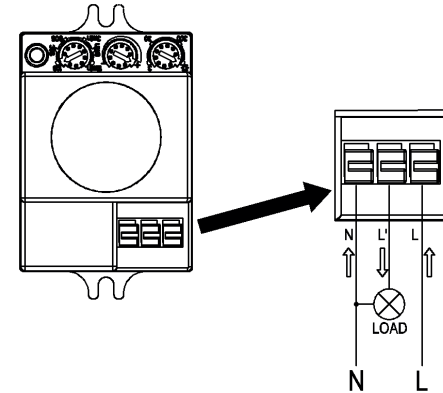
- Must be installed by professional electrician.
- Disconnect power source before installation.
- Cover or shield any adjacent live components.
- Ensure device cannot be switched on.

Installation

- 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 as per the connection-wire sketch diagram.
- Switch on the power and test it.

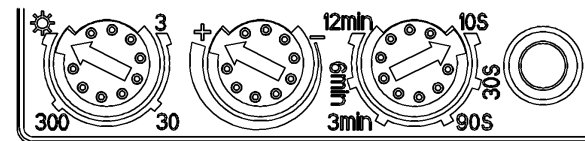


Connection-Wire Diagram



Test

- Turn the LUX knob clockwise on the maximum (sun), Turn the SENS knob clockwise on the maximum (+). Turn the TIME knob anti-clockwise on the minimum (10s).
- When you switch on the power, the light will be on at once. And $10\text{sec} \pm 3\text{sec}$ 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 3 LUX (darkness).



LUX SENS TIME

When testing in daylight, please turn LUX knob to SUN position, otherwise the sensor lamp could not work!

