ENSA™
Energy Saving Devices

LEDDL16W6KS

16W Microwave LED Sensor Light

INSTRUCTION MANUAL

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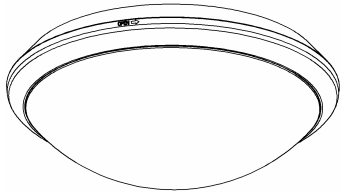
Thanks for choosing the ENSA-LEDDL16W6KS Microwave LED Sensor Lamp!



The product adopts microwave LED sensor mould with high-frequency electro-magnetic wave (5.8GHz) and integrated circuit, SMD LED. It gathers automatism, convenience, safety, saving-energy and practical functions. The wide detection field is consisting of detectors. It works by receiving human motion. When one enters the detection field, it can start the light 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:

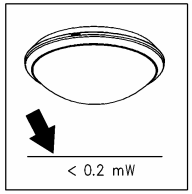
Power Sourcing: 220 -240V/AC
Power Frequency: 50Hz
Ambient Light: <3-2000LUX (adjustable)
Time Delay: Min. 10sec±3sec
Max. 12min±1min
Rated Load: 16W (100PCS LED,1200LM)
Additional switching capacity: 300W

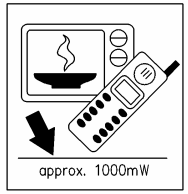
Detection Range: 360°
Detection Distance: 1-8m (radius) adjustable
HF System: 5.8GHz CW radar, ISM band
Transmission Power: <0.2mW
installing Height: 2-4m
Power Consumption: approx0.9W
Detection Motion Speed: 0.6-1.5m/s

FUNCTION:

- Can identify day and night: It can work in the daytime and at night when it is adjusted to the "sun" position (max). It can work in the ambient light less than 3LUX when it is adjusted to 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 6sec. The maximum is 30min.

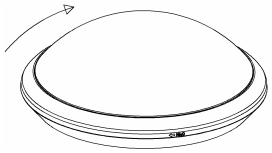
NOTE: the high-frequency output of the HF sensor is <0.2Mw- that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven, the baby can't touch it

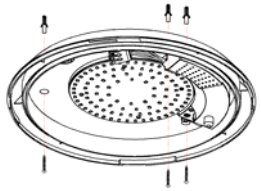


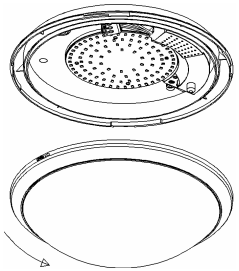


INSTALLATION: (see the diagram)

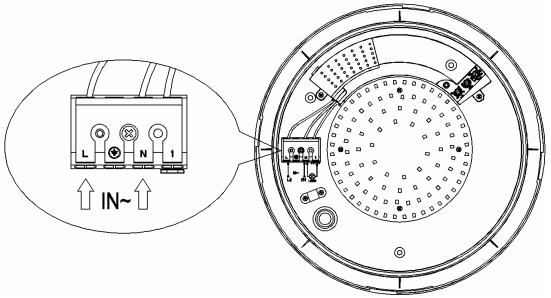
- Switch off the power.
- Unload the plastic cover clockwise to open it.
- Put the wire through the wire holes with rubber band which is at the bottom pan of lamp, and connect the wire with terminal according to connect-wire diagram.
- Fix the base on the ceiling through the holes on the bottom pan with enclosed inflated screws
- Switch on the power and test it.



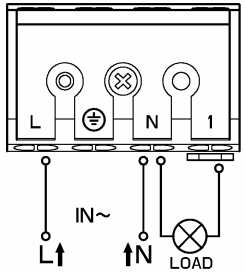


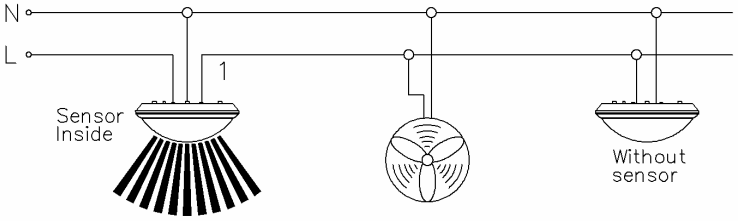


CONNECTION-WIRE DIAGRAM:



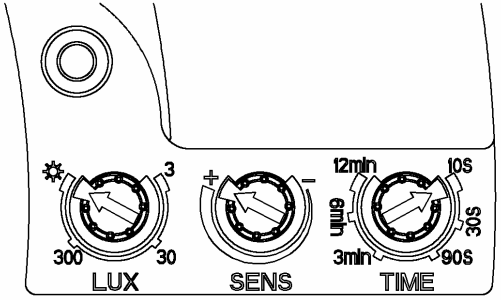
Another way as follows if connecting with electric fan or other lamp:





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 lamp will be on at once. And 10sec±3sec later the lamp 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, the inductor light could work when it receives induction signal.

Note: when testing in daylight, please slide LUX knob to 2000lux, otherwise the sensor lamp could not work!

- 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.

SOME PROBLEM AND SOLVED WAY:

- The light don't work:
  - a. Check the power and the 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 light:
  - 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.