



OR-CR-225

Infrared Motion Sensor



Instruction

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practicality functions. The wide detection field consists of up and down, left and right service field. It works by receiving human motion infrared rays. 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.

SPECIFICATION:

Power Source: 220-240V/AC

Power Frequency: 50Hz

Ambient Light: <3-2000LUX (adjustable)

Time Delay: Min.10sec $\pm$ 3sec

Max.7min $\pm$ 2min

Detection Range: 360°

Detection Distance: 12m max(<24°C)

Working Temperature: -20~+40°C

Working Humidity: <93%RH

Power Consumption 0.45W (work) 0.1W (static)

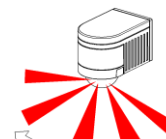
Rated Load: Max.1200W (incandescent lamp)

Detection Moving Speed: 0.6-1.5m/s

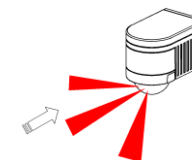
300W (energy-saving lamp) Installation Height: 1.8-2.5m

FUNCTION:

- Can identify day and night: The consumer can adjust working state in different ambient light. It can work in the daytime and at night when LUX knob is adjusted on the "7" position (max). It can work in the ambient light less than 3LUX when it is adjusted on the "1" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Time-Delay is added continually: When it receives the second induction signals within the first induction period, it will compute time once more on the basic of the first time-delay rest



Good sensitivity



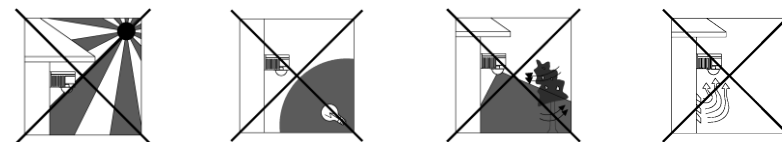
Poor sensitivity

INSTALLATION ADVICE:

As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.

CONNECTION:





⚠ WARNING

Warning. Danger of death through electric shock!

- Must be installed by professional electrician
- Disconnect power source.
- Cover or shield any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.

- Unload the cover near the detection window and adjust the TIME and LUX knob. Screw off the nail below the detection window and unload the bottom (refer to figure 1 and 2). Also screw off two nails in the bottom and unload the bottom into two parts. (refer to figure 3)
- Find the wire hole in the bottom and pass the power wire through the hole. Connect the power with the connection-wire column according to the Connection-wire Diagram.
- Fix the bottom on the selected position with the inflated screw.
- Fix the sensor on the bottom and tighten the screw. Switch on the power and then you can test it.

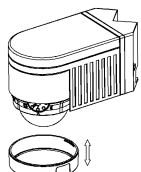


Figure1

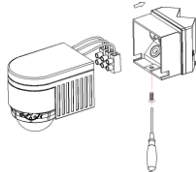


Figure2

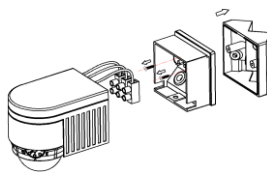
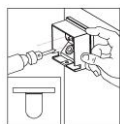
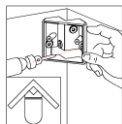


Figure3

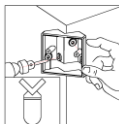
- It not only can install on the wall directly but also can install on the inner corner or outer corner with the help of the widget (refer to photograph below):



Flat mounted



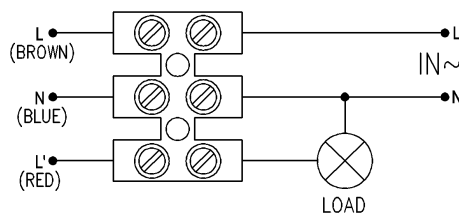
Inner corner mounted



Outer corner mounted

CONNECTION-WIRE DIAGRAM:

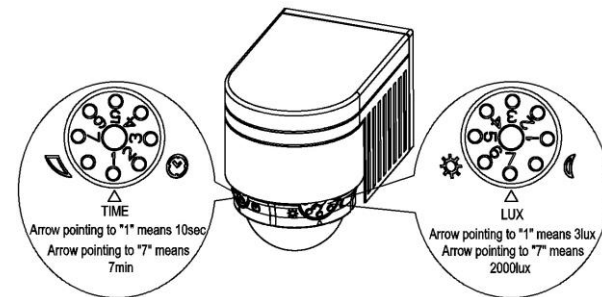
(See the right figure)



TEST:

- Turn the TIME knob anti-clockwise on the (1) position min; turn the LUX knob clockwise on the (7) position max.

- Switch on the power; the load and the indicator lamp don't work. After Warm-up 30sec, the indicator lamp turns on .Under the condition of no sense signal, the load should stop working within $10\text{sec} \pm 3\text{sec}$ and the indicator lamp would turn off.



- After the first induction is out, make it sense again after 5~10sec. The load should work again. when no sense signal, the load should stop working within $10\text{sec} \pm 3\text{sec}$.
- Turn LUX knob anti-clockwise on the (1) position min. If the ambient light is more than 3LUX, the inductor load should not work after the load stop working. If you cover the detection window with the opaque objects (towel etc), the load would work .Under no induction signal condition, the load should stop working within $10\text{sec} \pm 3\text{sec}$.

Note: when testing in daylight, please turn LUX knob to ☀ (7) position, otherwise the sensor could not work! If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

SOME PROBLEM AND SOLVED WAY:

- The load do not work:
 - a. Please check if the connection-wiring of power and load is correct.
 - b. Please check if the load is good.
 - c. Please check if the working light sets correspond to ambient light.
- The sensitivity is poor:
 - a. Please check if there has any hindrance in front of the detection window to affect to receive the signal.
 - b. Please check if the ambient temperature is too high.
 - c. Please check if the induction signal source is in the detection fields.
 - d. Please check if the installation height corresponds to the height showed in the instruction.
 - e. Please check if the moving orientation is correct.
- The sensor can not shut off the load automatically:
 - a. Please check if there is continual signal in the detection field.
 - b. Please check if the time delay is the longest.
 - c. Please check if the power corresponds to the instruction.