

Thank you for selecting our product LX-PR-1815

INFRARED SENSOR SWITCH INSTRUCTION

Summary:

The product is a saving energy automatic switch which can turn on lamp when one comes and turn off it after leaves automatically. It adopts high sensitivity detector, integrated circuit and SMD technology ; its performance is stable and reliable; when one enters detecting field and move, it can start the controlled load at once to turn on the lamp; after leaves the field, the lamp will go out automatically.



Specifications:

Power supply: 100-130V/AC ☐
220-240V/AC ☐

Power frequency:50~60Hz

Rated load:100W

Time delay:9sec~60sec

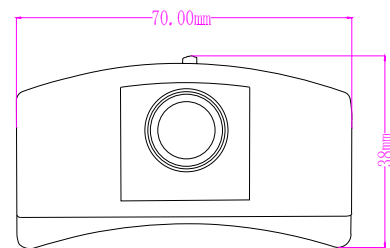
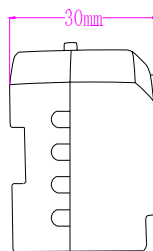
Sense distance:7m($\leq 22^{\circ}\text{C}$)

Sense angle:70°~90°

Ambient light:<30LUX

Working temperature: -10~+40℃

Power consumption:0.45W(static 0.1W)

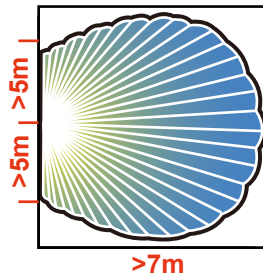
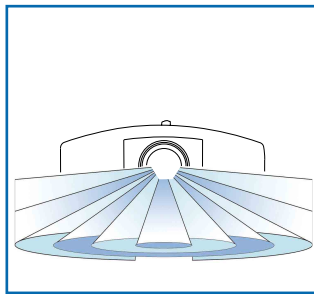


Sense motion speed:0.6~1.5m/s

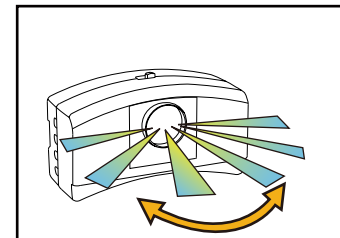
Working humidity:<93%RH

Installing height: 1.2 m ~1.8 m

Sensor Information



Correct moving orientation

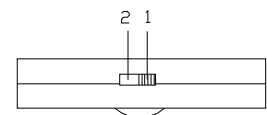


70°~90°
Induction Angle

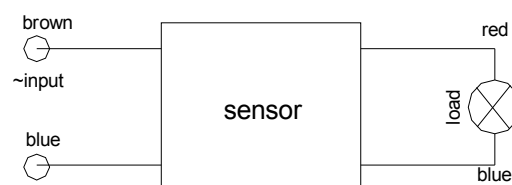
Switch function(like the figure)

“1”denote working all day and all night , the time delay is 9~15sec;

"2"denote working only at night , the time delay is 45sec~60sec。



Connection figure



Test

- connection line figure according to the connection figure ,switch on power;
- after 1.5min the sensor enters the working state and the lamp goes out;
- slide switch to “1”, move in the sense range, the lamp should turn on at once, under the condition that there is no continual sense, the lamp should go out after 9~15sec;
- slide switch to “2”, if test it in the ambient light beyond 30lux, the sensor should not work, with an opaque (towel, etc) cover the sense window, the load should work, under the condition that there is no continual sense, the lamp should go out after 45~60sec.

Attentions

- In front of detection window there should be no obstruction or moving object to affect its detection;
- Avoiding installing it in the zones temperature change obviously for example: air conditioning, air heating.

Troublesome

① The load doesn't work

- a check if the connection of the load and power is correct;
- b check if the load is good;
- c check if the working light you set corresponds to ambient light.

② The sensitivity is poor

- a Please check if in front of the detection window there is block effecting sensor to receive signals;
- b Please check if the ambient temperature is too high;
- c Please check if the signals source is in the detection field;
- d Please check the installation height.

③ The sensor can't shut off the load automatically

- a Check if there are continual signals in the detection fields;
- b If the power corresponds to the instruction;
- c If the air temperature near the sensor change obviously, for example air condition or central heating etc.

ISO9001
ISO14001

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