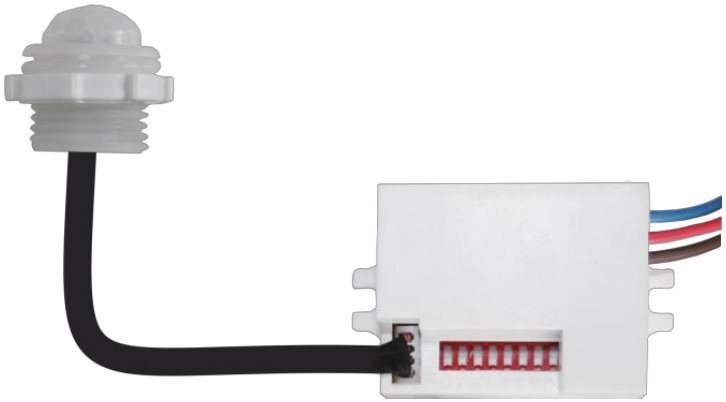
OPTONICA LED

SKU:7309

Infrared motion sensor



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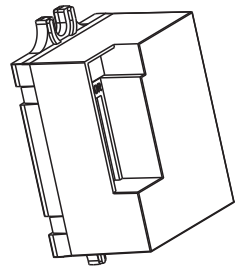
Thank you for purchasing OPTONICA LED 7309 infrared motion sensor!



This product has a high sensitivity detector, integrate circuit and SMT; It combines an automation, convenience safety and, energy-efficiency; It utilizes human motion infrared rays as control signal sources, when one enters the detection field, it will start the controlled load at once; It identifies day and night automatically; It is easy to install and has a wide use application.

SPECIFICATION:

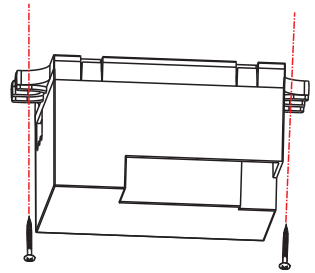
Power source: 220V/AC-240V/AC Power frequency: 50-60Hz
Ambient light: 10LUX-2000LUX (Choice)
Time-delay: 5sec, 30sec, 1min, 3mins, 5mins, 8mins
Rated load: 100W (incandescent lamp)
100W (energy-saving lamp)
Detection distance: 6m max (<24℃)

Detection range: 360º
Working Temperature: -20~+40℃
Working Humidity: <93%RH
Installation Height: 1.8m~2.5m
Power Consumption: <0.9W (work)
<0.9W (static)
Detection Moving Speed: 0.6~1.5m/s

FUNCTIONS:

- Can identify day and night automatically: when turn to SUN (max), it will work day and night, when turn it to MOON (min), it will only work in the ambient light less than 10LUX. As for adjustment, please refer to testing instructions.
- SENS adjustable: It can be adjusted according to usage location; low sensitivity for small room and high sensitivity fits for a larger area.
- Time-delay is added continually: When it receives the second induction signals after the first induction, it will compute time once more on the rest of the first time-delay basis (set time).
- Time-delay is adjustable: It can be set according to your desire, the minimum is 5sec, and the maximum is 8min.

INSTALLATION: (see the diagram)



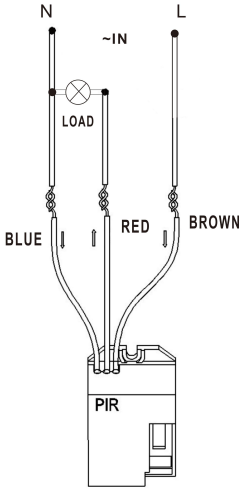
- Switch off the power.
- Fix the bottom on the selected position with the inflated screw through the screw holes in the side of the sensor.
- Connect the power and the load to sensor as per the

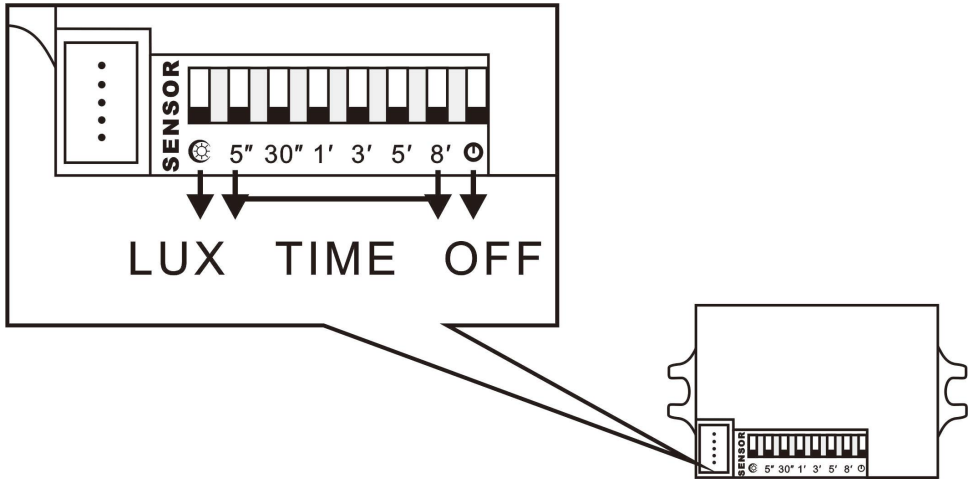
connection-wire sketch diagram.

- Switch on the power and run a test.

CONNECT-WIRE FIGURE:

(See the figure)





TEST:

- Slide the LUX switch to SUN position (like the PIC. below is SUN). Adjust the TIME switch, slide 5" switch to ON position. (slide upwards).5 secs to 8min adjustable.
- When the power is switched on - allow warming up period of up to 30 seconds, the load will turn on, in the absence of no inductor signals, the load should stop working within 5-30sec.
- The sensor will commence operating in 5-10 sec. The load should work. When there is no inductor signals in the indicator lamp, the load should stop working within 5sec.
- Slide the LUX switch to MOON position; it is in 10LUX, the load should not work during exposure to daylight. If you cover the detection window with the opaque objects (towel etc), the load works under no induction signal condition, the load should stop working within 5-15sec.
- Slide the LUX to "8"switch, the sensor will not work.(says the light can work without sensor.)

Note: when testing in daylight, please slide LUX switch to (SUN) position, otherwise the sensor lamp could not work!

NOTE:

- This product should be installed by qualified electrician only.
- Avoid installation on an unstable surface.
- There should be no obstruction and/or moving objects in front of the detection windows to interfere with the detection operation.
- Avoid installing it near air temperature alteration zones such as air conditioner, central heating, etc.
- Never open this product without first shutting off the power completely.
- If there is any discrepancy between instruction and the icons on the product, please give priority to product icons.

TROUBLESHOOTING:

- 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 functioning.
  - c. Please check if the working light sets correspond to ambient light.
- The sensitivity is poor:
  - a. Please check if there has hindered in front of the detection window to effect 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.
  - d. Please check if the temperature near the sensor changes obviously, such as air condition or central heating etc.

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