

OPTONICA LED

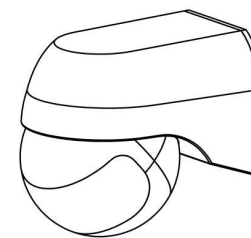
7306, 7307 MINI



www.OPTONICALED.com

Thank you for purchasing 7306, 7307 Infrared motion sensor!

This product adopts high sensitivity detector, integrate circuit and SMT; It combines automation, convenience, safety and energy-efficiency; It has wide detection range made up of up and down, left and right service field; It utilizes motion infrared rays as control signal sources so that if a movement is detected within the operations field, it will set the controlled load; It can identify day and night automatically; It is easy to install with wide use applications; It has the function of power indication and detection indication.



SPECIFICATION:

Power Source: 220V/AC-240V/AC

Power Frequency: 50-60Hz

Ambient Light: 10-2000LUX (adjustable)

Time-Delay: min: 10sec±3sec

Max: 7min±2min

Rated Load: 800W (incandescent lamp)

400W (energy-saving lamp)

Detection Distance: 12m max (<24°C)

Detection Range: 180°

Working Temperature: -20~+40°C

Working Humidity: <93%RH

Installation Height: 1.8m~2.5m

Power Consumption: 0.9W (work)

0.9W (static)

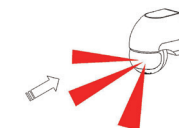
Detection Moving Speed: 0.6~1.5m/s

FUNCTION:

- Detection field: The wide detection range is made up of up and down, left and right, the detection range could be adjusted according to your preferences, however please note that the moving orientation of the detection field is correlated to the sensitivity.
- Identify day and night automatically: The ambient light could be adjusted according to your desire: 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 way.
- 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 10sec±3sec, and the maximum is 7min±2min.



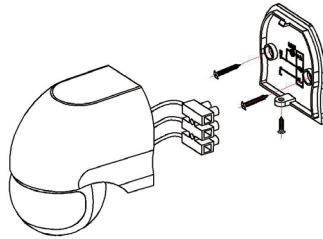
Good sensitivity



Poor sensitivity

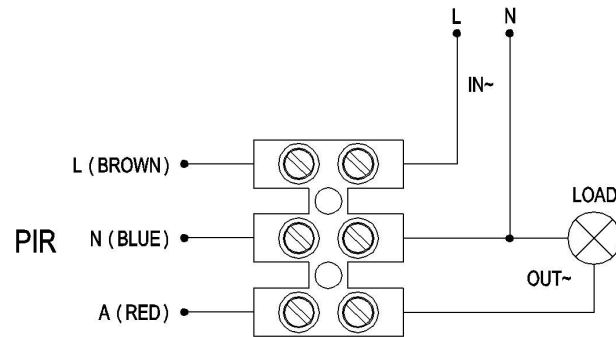
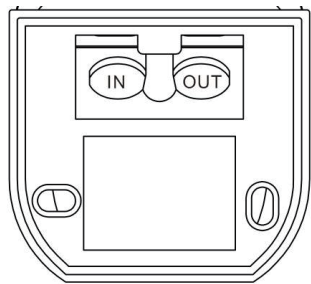
INSTALLATION: (see the diagram)

- Shut off power.
- Loosen the screw on the bottom lid, open the wiring terminal, pass the wire of power and load through the bottom lid.
- Fix the bottom lid with inflated screw on the selected position.
- Connect the power and load wire into connection-wire terminal according to the connecting figure.
- Put the sensor on the bottom lid, twist the screw tightly then switch the power on and test it.



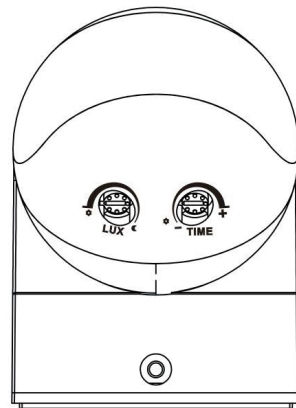
CONNECT-WIRE FIGURE:

(See the right figure)



TEST:

- Turn time knob anti-clockwise to the minimum; turn the LUX knob clockwise to the maximum (SUN), Switch on power, the controlled load should not work, needing to preheat within 5-30sec.
- The sensor will commence operating in 5-10 sec when the first induction is finished; the load should work when received sensor signal and stop working within 7-13sec with no any sensor signal.
- Turn LUX knob to minimum anti-clockwise, if you test it when the ambient light is more than 10LUX, the induction load would not work after the load stops working; the load should work if you cover the detection screen with opaque object (towel etc),it would be regular the load stops to



work within 7-13sec under no induction signal condition.

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

NOTE:

- Should be installed by qualified electrician only.
- Avoid installing it on an unstable surface.
- There should be no hindrance and/or moving objects in front of the detection windows to effect signal reception.
- Avoid installing it near air temperature alteration zones such as air conditioning, central heating, etc.
- For your safety, please do not open the cover unless you have cut off power completely.
- If there is discrepancy between instruction and the function of the product, please give priority to the product instruction icons.

TROUBLESHOOTING:

- In case when the load does not operate:
 - 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 set correspond to ambient light.
- The sensitivity is poor:
 - a. Please make sure that there is no obstruction in front of the detection window to effect to signal reception.
 - b. Please check if the ambient temperature is not 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 cannot 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 set to the longest.
 - c. Please check if the power corresponds to the instruction.
 - d. Please check if the temperature near the sensor has changes abruptly, due to air conditioner or central heating etc.