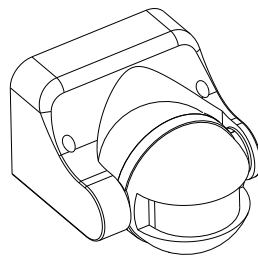


OPTONICA LED

SE7301, SE7302



Thank you for purchasing SE7302 Infrared motion sensor!

This product is a new type of energy-saving lighting switch, it

combines high sensitivity detector, integrated circuit and SMT; This product is convenient, safe, energy-saving and practical; It has wide detection range; It is based on motion detecting infrared rays, control signal sources, so that if a movement is detected within the operations field, it will start providing power at once; It can identify day and night automatically; It is easy to install with wide field of application; It has the function of power indication and detection indication.

TECHNICAL SPECIFICATIONS:

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

Power Frequency: 50Hz

Ambient Light: 10-2000LUX (adjustable)

Time-Delay: min:10 sec \pm 3sec

max:7min \pm 3min

Rated Load: 1200W (incandescent lamp)

300W (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

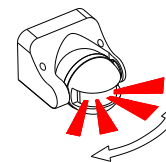
Power Consumption: <0.9W (work)

<0.9W(static)

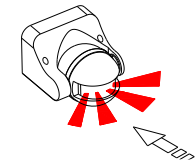
Detection Moving Speed: 0.6~1.5m/s

FUNCTIONALITY:

- Detection field: The wide detection range is made up of up and down, left and right operational fields (see the diagram below), the detection range could be adjusted according to the particular requirements, but the moving orientation in detection field is co-related to the sensitivity.
- Identifying day and night automatically: The ambient light of SE7301, SE7302 could be adjusted according to the particular requirements: 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.
- 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 needs, the minimum is 10 sec \pm 3sec, the maximum is 7min \pm 3min.



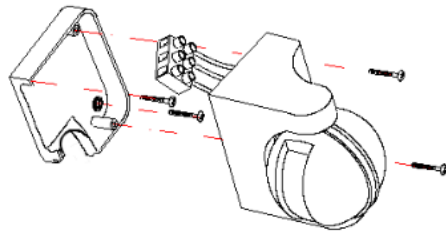
Good sensitivity



Poor sensitivity

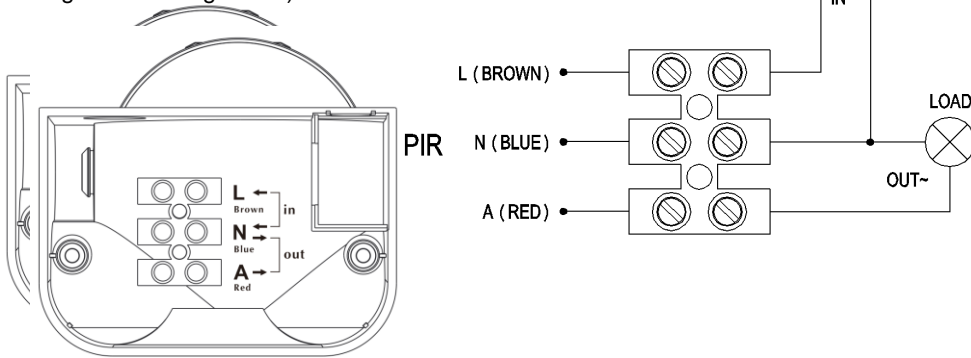
INSTALLATION: (see the diagram)

- Disconnect electrical power supply.
- Loosen the screw on the bottom lid, open the wiring hole, pass the power wire and connect through the bottom lid.
- Fix the bottom lid with inflated screw on the selected position.
- Connect the power cable to the terminal block as shown on the figure below.
- Put the sensor on the bottom lid, close the screw tightly then electrify it and test it.



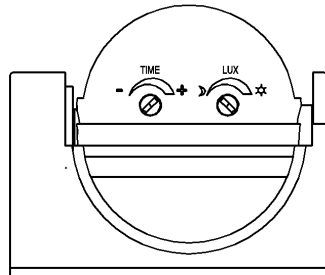
CONNECT-WIRE DIAGRAM

(See the figure on the right side)



TEST:

- Turn time knob anti-clockwise to the minimum setting position; turn the LUX knob clockwise to the maximum (SUN), Turn on electricity power, the controlled load will not initially work, needing to preheat within 5-30 sec.
- The sensor will commence operating in 5-10 sec; then sensor is activated when receive moving signal and stop working within 7-13sec without any other sensor signal.
- Turn LUX knob to minimum anti-clockwise setting, if you test it when the ambient light is more than 3LUX, the induction load would not work after the load stops working; the load should work if you cover the detection screen, it should stop working within 7-13sec under no induction signal condition.



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

NOTE:

- This product should be installed by qualified electrician only.
- Do not install this product on unsafe or unstable surface.
- There should be no hindrance and/or moving objects in front of the detection screen to disturb the detection.
- Avoid installing this product near air temperature alteration zones such as air conditioning, central heating, etc.
- For your safety, do not disassemble.
- Always read the safety icons on the product.

TROUBLESHOOTING:

- In case of malfunction:
 - please check if the connection-wiring is correct.
 - please check if the power load is adequate .
 - please check if the working light set corresponds to ambient light.
- The sensitivity is poor:
 - Please check if there is an obstacle in front of the detection screen which obstructs the signal.
 - Please check if the ambient temperature is within optimum working parameters.
 - Please check if the induction signal source is in the detection fields.
 - Please check if the installation height corresponds to the height prescribed in the instruction.
 - Please check if the moving orientation is correct.
- The sensor cannot shut off the load automatically:
 - Please check if there is continual signal in the detection field.
 - Please check the time delay settings.
 - Please check if the power supply corresponds to the instruction.
 - Please check if the temperature near the sensor tends to change abruptly, such as in cases of proximity to air conditioner or central heating sources etc.