

OPTONICA

Infrared Motion Sensor

SKU: 7318

Instruction



SETTING:



LUX Setting: + Work day and night, — Only work at night

Sensor Mode LMH: L=Short Detection Distance M=Medium Detection Distance
H=Minimum Detection Distance



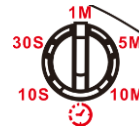
D2D Mode:

Off sensor mode, it can fitting into "Dusk to Dawn" mode.

It will work in the ambient light less than 30lux, and auto logout in the ambient light more than 100lux

ON Mode:

Off movement mode it can fitting into Manual Override Function-Always-ON, the light will illuminate continuously.



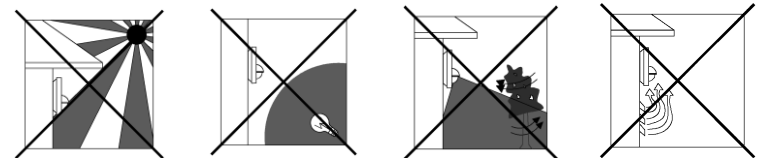
Time Delay Setting: 10S, 30S, 1min, 5min, 10Min.

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.

Thank you for purchasing Infrared Motion Sensor!

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely.

SPECIFICATION:

Power Source: 220-240V/AC

Detection Range: 180°

Power Frequency: 50/60Hz

Detection Distance: Wall Mounting 16m max(<24°C)

Ambient Light: <10/2000LUX (adjustable)

Ceiling Mounting 10m max(<24°C)

Other Functions: D2D: DUSK TO DAWN

Working Temperature: -20~+40°C

Always-ON

Installation Height: 1.8-2.5m

Time Delay: 10sec/30sec/1Min/5Min/10Min

Working Humidity: <93%RH

Rated Load: Max.800W

Power Consumption: approx 0.5W



Detection Moving Speed: 0.6-1.5m/s

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 it is adjusted on the "sun" position (max). It can work in the ambient light less than 10LUX when it is adjusted on the "-" position (min). As for the adjustment pattern, please refer to the testing pattern.
- Photocell function: Adjust the first switch to D2D position, it can fitting into "Dusk to Dawn" mode. It will work in the ambient light less than 30LUX, and auto logout in the ambient light more than 100LUX.
- Always-On function: Adjust the first switch to ON position, It will lamp will Always-ON.
- SENS adjustable: It can be adjusted according to using location. The detection distance of low sensitivity could be only ≈ 7m and high sensitivity could be ≈ 16m which fits for large room.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.

- Loosen the nail on the bottom and open the front cover. (refer to figure 1 and 2).
- Loosen the nail on the back ,fold the cover and then fix it with inflated screw on the selected position.(refer to the figure 3)
- Plug the wire into the hole with gasket, and then connect the wire with connection column according to Connection-wire diagram.(Note: The wire and the hole gasket should connect very tightly to make the product waterproof)
- Switch on the power and then test it.



Figure 1



Figure 2

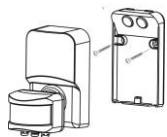
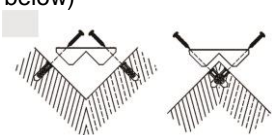


Figure 3

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



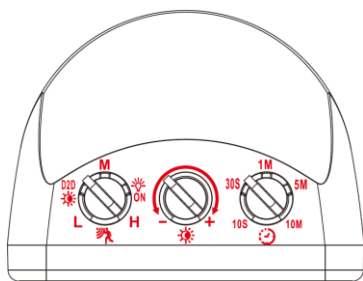
Flat mounted



Inner corner mounted

TEST:

- Turn the LUX knob clockwise on the maximum (sun); turn the TIME knob anti-clockwise on the minimum (10s).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within $10\text{sec} \pm 3\text{sec}$ and the lamp would turn off.
- Turn ☀-LUX knob anti-clockwise on the minimum (-). If the ambient light is more than 10LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 10LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within $10\text{sec} \pm 3\text{sec}$.



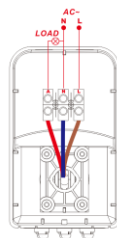
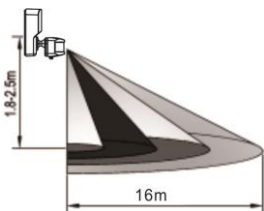
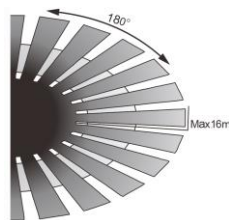
Note: when testing in daylight, please turn LUX ☀ knob to + (SUN) position, otherwise the sensor lamp could not work!

CONNECTION-WIRE DIAGRAM:

(See the figure)

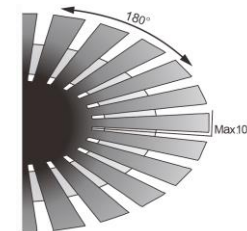
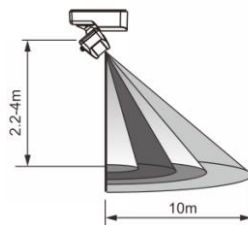
SENSOR INFORMATION:

Wall Mounting



Height of installation: 1.8-2.5m Detection Distance: Max.16m

Ceiling Mounting



Height of installation: 2.2-4m Detection Distance: Max.10m

SOME PROBLEM AND SOLVED WAY:

- The load does not work:
 - Please check if the connection of power source and load is correct.
 - Please check if the load is good.
 - Please check if the settings of working light correspond to ambient light.
- The sensitivity is poor:
 - Please check if there is any hindrance in front of the detector to affect it to receive the signals.
 - Please check if the ambient temperature is too high.
 - Please check if the induction signal source is in the detection field.
 - Please check if the installation height corresponds to the height required 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 if the time delay is set to the maximum position.
 - Please check if the power corresponds to the instruction.

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