

# OPTONICA

## PIR Motion Sensor

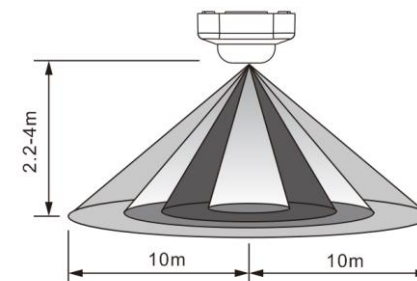
SKU: 7323



## Instruction

### Welcome to use Presence detector!

The product is a new saving-energy switch; it adopts good sensitivity detector, integrated circuit. It gathers automatism, convenience, safety, saving-energy and practicality functions. The wide detection field is consisting of detectors. It works by receiving human motion infrared rays. When one enters the detection field, it can start the load at once and identify automatically day and night; its installation is very convenient and its using is very wide. It has functions of power indication and the detection indication



### **SPECIFICATION:**

Power Source: 220 -240V/AC

Power Frequency: 50/60Hz

Ambient Light: 10-2000LUX (adjustable)

Time-Delay: 5sec-10min

Rated Load: 2000W (incandescent lamp)

1000W(energy-saving lamp or LED)

Sound Control level: OFF MIC/ 30Db~90Db

Detection Distance:2-20m (24 °C)

Detection Range: 360°

Working Temperature: -20°C~+40°C

Working Humidity: <93%RH

Installation Height: 2.5-7m

Power Consumption: <0.9W (work)

<0.9W( static)

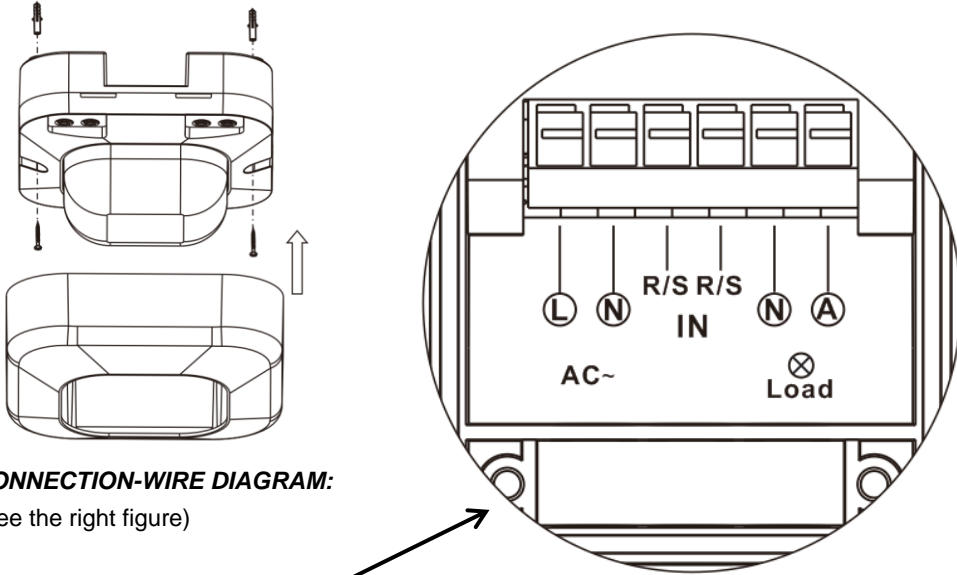
Detection Motion Speed: 0.6-1.5m/s

### **FUNCTION:**

- Identify day and night automatically: The consumer can adjust work ambient light. It can work in the whole day when press on the “sun.24H” on the remote. It can work in the night or dawn when press the “5LUX,10,20,30LUX etc” on the remote. Regarding the IR remote controller or Knob adjust pattern, please refer to the below:
- Time-Delay is added continually: When it receives the second induction signals after the first induction, it will compute time once more on the basic of the first time-delay rest.
- Time-Delay is adjustable. The minimum time is 10sec. The maximum is 30min.
- Power-Off Memory: In the remote control setting function, after the sensor is powered off, power on the sensor again, and the sensor remains the function set by the remote control last time.
- Sound control function available from 30Db~90Db, or you can turn off the sound control function, details pls refer to the adjust pattern below ;

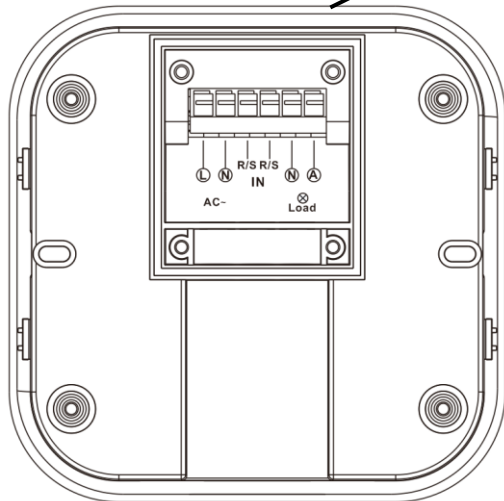
➤ **INSTALLATION:**

- Switch off the power.
- Take off the front cover, fixed the bottom on the selected position with two screws.
- Connect the power and the load into the connection-wire column of the sensor according to connection-wire diagram.
- Put the front cover on the product.



**CONNECTION-WIRE DIAGRAM:**

(See the right figure)



**Test :**

- Switch on the power, the controlled load and indication lamp both are not working. Preheat 30 sec later, the load and indication lamp should be turned on synchronization. In the absence of no inductor signals, the load should be stopped working within 5-30sec, the indicator lamp is turned off.
- After the first sense is finished, and it will sense again after 5~10sec. The load should work. When there is no inductor signals in the indicator lamp, the load should be stopped working within 5-15sec.
- Press the button "5lux" on the IR remote controller. If you cover the detection window with the opaque objects (towel etc), the load work under no induction signal condition, the load should stop working within 5-15sec.

The function of using IR remote controller adjustment mode or using Knob adjustment mode are independent between each other. Pls refer to corresponding mode as below.

➤ **KNOB ADJUSTMENT MODE:**



- MIC: Rotate anti-clockwise to the end, Sound Control Function is turned off. Rotate clockwise, voice sensitivities range from Minimum 30Db to the Maximum 90Db adjustable.
- Lux : Roate anti-clockwise to the end("-"symbol), sensor work only at night/dawn. Clockwise to the end("+" symbol), sensor work the whole day.
- SENS: Rotate anti-clockwise, the sensitivity of sensor from Minimum ("-" symbol) to (the end Maximum) adjustable.
- Time : Rotate anti-clockwise to the end(1S symbol), load working cyclically under the mode 1sec ON and 9sec OFF; Rotate clockwise, time delay range from 10min ("+" symbol maximum) to 5sec("-" symbol minimum) adjustable.

**NOTES:**

- Electrician or experienced human can install it.
- The unrest objects can't be regarded the installation basis-face.
- In front of the detection window there aren't hinder or unrest objects effecting detection.
- Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc.
- Please don't open the case for your safety if you find the hitch after installation.
- If there are some difference between instruction and the function the product has, please give priority to product and sorry not to inform you additionally.

**SOME PROBLEM AND SOLVED WAY**

- The load don't work:
  - a. Check the power and the load.
  - b. Whether the indicator light is turned on after sensing? If yes, please check load.
  - c. If the indicator light does not turn on after sensing, please check if the working light corresponds to the ambient light.
  - d. Please check if the working voltage corresponds to the power source.
  
- The sensitivity is poor:
  - a. Please check if in front of the detection window there are hinder that effect to receive the signals.
  - b. Please check the ambient temperature.
  - c. Please check if the signals source is in the detection fields.
  - d. Please check the installation height.
  
- The sensor can't shut automatically the load:
  - a. If there are continual signals in the detection fields.
  - b. If the time delay is set to the longest.
  - c. If the power correspond to the instruction.
  - d. If the air temperature change near the sensor, air condition or central heating etc.

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