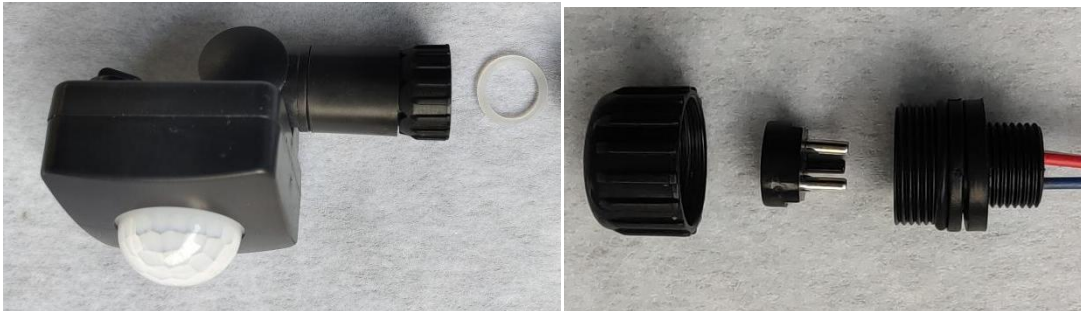


# Plug and pull sensor manual

--LP-PIR007-E02

## Infrared Motion Sensor

This product is a new type of energy-saving switch, using high precision and sensitive integrated circuit, plus PIR composition, when the human body into the detection range, it can immediately start the load. The light is on when person comes and the light is off after a time delay when person leaves, and the day and night are automatically recognized (LUX knob is turned to night mode). This sensor is free plug type, Not need to use the induction function then can unplug the sensor, insert a short connector on the base, screw on the waterproof nut and that is fine, then the light becomes a conventional lighting mode, too easy installation, widely used.



## A. Specification

Supply Voltage: 110-240V AC

Supply Frequency: 50/60Hz

Power Consumption:<0.40W (working condition)  
0.1w(stand by)

Rated Load:200W (incandescent bulb 220V)  
100w (energy saving lamp 220V)

Delay Time:10s ± 3s

Max Delay Time: 10M±2M (the delay time can be set according to customer requirements)

Product Dimension: 42.5\*41\*21.5mm

Detection Range:120°

Ambient Light :3 – 2000Lux

Working Temperatures:-20 ~ + 40 °C

Operating Humidity:< 93% rh

Installation Height:1.8m ~ 2.5m

Detection Motion speed:0.6 ~ 1.5m/s

Detection Distance:2-10m (<24 °C)

Product Weight: 30-35g

## B. Function:

1. Automatically identify day and night: Can adjust the working ambient light corresponding to LUX Knob. When the LUX knob is adjusted in the "☀" position, it can work during the day; When the LUX knob is adjusted in the "☾" position, it can only work at night, and this knob is adjusted appropriately as required.



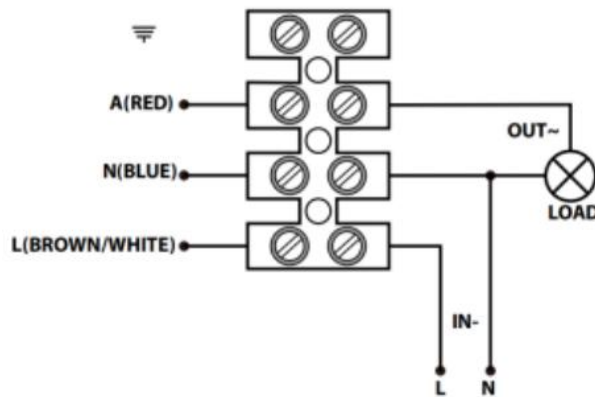
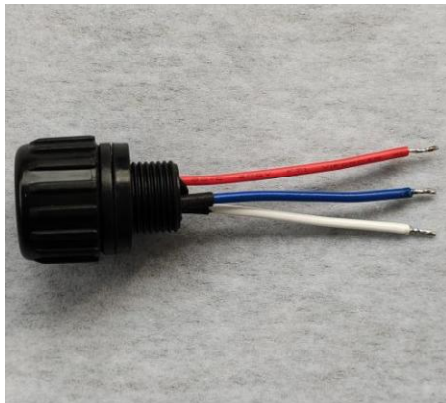
Good sensitivity



Poor sensitivity

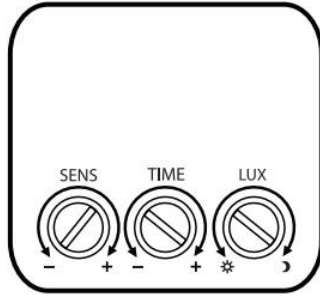
2. Adjustable sensitivity: can be adjusted according to the use of the position, minimum 2M maximum 10M, suitable for large rooms
3. Reset the timer after the signal is detected (the system is set to repeat start).
4. Delay time adjustment: Can be set according to the needs of users, the minimum time is 10 seconds  $\pm 3$  seconds. The maximum time is 10 minutes  $\pm 2$  minutes

### C. The Connection Diagram of Use for the Base



### D. Testing:

1. Turn the SENS knob clockwise to the "+" terminal, turn the TIME knob counterclockwise to the "-" terminal, turn the LUX knob clockwise to the "☀️" terminal.
2. When you turn on the power, the load turns on  $10S \pm 1S$ . After preheating for 10 seconds, the load turns off, and the induction enters normal working. When the sensor gets the induction signal, the load will be opened. After the load is turned off, it will turn on again when the sensor detects the signal again.
3. Turn the LUX knob counterclockwise to the minimum value. When testing during the day, the load does not work. The load only works at night. Turn the LUX knob counterclockwise to the maximum, and the load works day or night.



**When testing in daylight, please turn the LUX knob to the "☀" position, because the LUX knob refers to the "☾" position, the sensor can only work at night, so the sensing function cannot be tested**

#### **E. Notes:**

1. Avoid installing on unstable objects.
2. No obstacles or moving objects should be set up before the detection window to avoid false triggering.
3. Avoid installing it near the temperature change area, such as air conditioning, central heating, etc.

#### **F. Tips:**

1. The load does not work:
  - a. Check whether the power supply is correctly connected to the load.
  - b. Please check whether the goods are in good condition.
  - c. Check whether the work light corresponds to the ambient light.
2. Poor sensitivity:
  - a. Please check whether there is an obstacle to receiving this signal in front of the detection window.
  - b. Check whether the ambient temperature is too high.
  - c. Check whether the induction signal source is in the detection area.
  - d. Check whether the installation height corresponds to the displayed height.
  - e. Check whether the moving direction is correct.
3. The sensor cannot automatically turn off the load:
  - a. Check whether there are continuous signals on site.
  - b. Check whether the time delay is the longest.
  - c. Please check whether the power supply conforms to the instructions.
  - d. Please check whether there is a significant change in the temperature near the sensor, such as air-conditions or central heating, etc.
  - e. Adjust the sensitivity knob appropriately according to the scene to reduce the sensitivity.

#### **G. Product Structure chart**

