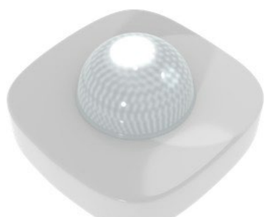
TATA POWER
EZ HOME

PIR Based Motion Sensor, SN-PR 46B (10Amp)



Instruction Manual

This is a high-quality product that has been manufactured, tested and packed with the greatest care. Please familiarize yourself with these instructions before attempting to install the product because prolonged, reliable and trouble-free operation will only be ensured if it is installed and used properly. We hope your new sensor will bring you lasting satisfaction.

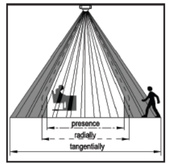
SPECIFICATION:

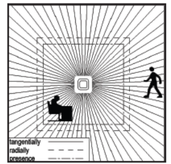
- Power Source: 220 - 240V AC
- Power Frequency: 50Hz
- Ambient Light: <3 - 2000LUX (Adjustable)
- Time Delay: Min. 10sec±3sec, Max. 30min±2min
- Rated Load: Resistive Max. 2000W, CFL Max. 1000W
- Detection Range: 360°
- Detection Distance: 1 - 10m (radial)
- Working Temperature: -20 ~ +40°c
- Working Humidity: <93%RH
- Power Consumption: Approx.0.9W
- Installation Height: 2.2 - 6m

FUNCTION:

Can identify day and night: The consumer can adjust the working state in different ambient light. It can work in the day time when it is adjusted on the "sun" position(max). It can work in the ambient light less than 3LUX, when it is adjusted on the "3" position (min). As for the adjustment pattern, please refer to the testing pattern.

Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.

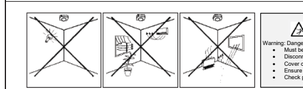




INSTALLATION ADVICE:

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.



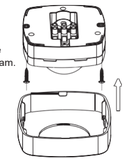
⚠WARNING

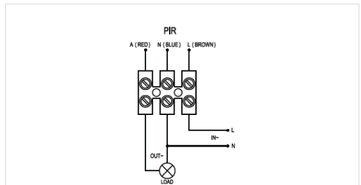
Warning: Danger of Death through electric shock!

- Must be installed by a professional electrician
- Disconnect power source
- Cover or shield any adjacent live components
- Ensure device cannot be switched ON
- Check power supply is disconnected

CONNECTION:

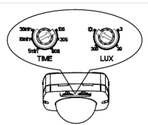
- Unload the cover directly.
- Connect the power and the load into the connection-wire column of the sensor according to connection-wire diagram.
- Fix the sensor on the selected position with the inflated screw as the figure on the right.
- Install back the cover and then you can test it.





TEST:

- Turn the TIME knob anti-clockwise on the minimum (10s). Turn the LUX knob clockwise on the maximum (sun).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up of 30sec, the sensor wil start working. 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 10sec±3sec and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (3LUX). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the load will be OFF



Note:
When testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp could not work! If the lamp is more than 60W, the distance between the lamp and sensor should be 60cm

SOME PROBLEM AND SOLVED WAY:

The load do not work:

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 setting correspond to ambient light.

The sensitivity is poor:

a. Please check if there are any hindrance in-front of the detection window to affect to receive the signal.
b. Please check if the ambient temperature is too high.
c. Please check if the induction signal source is in the detection range.
d. Please check if the installation height corresponds to the height showed in the instruction.
e. Please check if the moving orientation is correct.
f. Please check if the signal source is small to emit the signal and Located at maximum distance from the product detection range.

The sensor can not shut off the load automatically:

a. Please check if there is a continual signal in the detection field.
b. Please check if the time delay is the longest.
c. Please check if the power supply is as per specification.

TATA POWER
EZ HOME

The Tata Power Company Limited, 34 Sant Tukaram Road, Carnac Bunder, Mumbai 400009, Maharashtra, India
Customer care no.: 1800-2-12345 | WhatsApp no.: 8866659442 | Email. care@tatapower.com