Ins 33579 - B

LED Compatible

PIR Sensor with Manual Override

ZN33579

Instructions

Welcome to the ST15 Infrared motion sensor.

The product utilises a sensitivity detector and an integrated circuit. It enables automation, convenience, safety, energy-saving and practical functions. It uses infrared energy from body heat to activate it's sensor once the detection field is entered.
It can be set to detect automatically both day and night. It is easy to install and is widely used.

SPECIFICATION:

Power Source: 220-240V/AC

Power Frequency: 50/60Hz

Ambient Light: <3-2000LUX (adjustable)

Time Delay: Min.10sec±3sec
Max.15min±2min

Rated Load: Max.1200W
300W

Detection Range: 180°

Detection Distance: 12m max(<24℃)

Working Temperature:-20~+40℃

Working Humidity: <93%RH

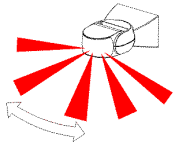
Power Consumption: approx 05W

Installation Height: 1.8-2.5m

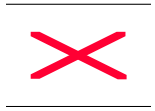
Detection Moving Speed: 0.6-1.5m/s

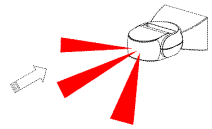
FUNCTION:

- The unit detect both day and night: It can be adjusted for differing ambient lighting conditions. It can work in both daylight and darkness when it is adjusted to the "sun" position (max). It will operate in ambient light less than 3LUX when it is adjusted to position "3" (min). For information relating to the adjustment pattern, please refer to the testing pattern.
- Time-Delay is added continually: When the second induction signals within the first induction, it will restart to time from the moment.



Good sensitivity





Poor sensitivity

MANUAL OVERRIDE FUNCTION:

1. Sensor mode → Stay on
   Now switch wall switch OFF and back ON twice within 3 seconds.
   The sensor will now hold the light ON continuously..
2. Stay on → Sensor mode. Use either of the following methods:

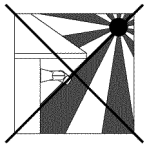
1). Switch the wall switch OFF, then switch ON after 0.3seconds.
2). If the light is left ON (not changed manually), the sensor itself will automatically return to it's sensor mode after 8 hours.

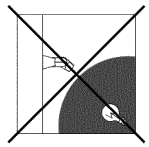
INSTALLATION ADVICE:

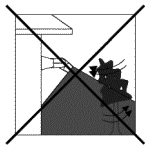
As the detector responds to changes in temperature, avoid the following situations:

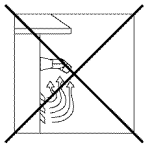
- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.

CONNECTION:









⚠ WARNING

Warning. Danger of death through electric shock!

- Must be installed by a professional electrician,
- Disconnect power source.
- Cover or shied any adjacent live components.
- Ensure device cannot be switched on.

- Loosen the screw on the bottom and unload the bottom (refer to the figure1).
- Pass the power wire through the hole with gasket in the bottom. Connect the power wire into connection-wire column according to the connection-wire diagram.

- Fix the bottom with inflated screw on the selected position (refer to the figure2).
- Install back the sensor on the bottom, tighten the screw and then test it.

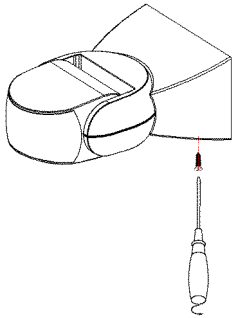


Figure1

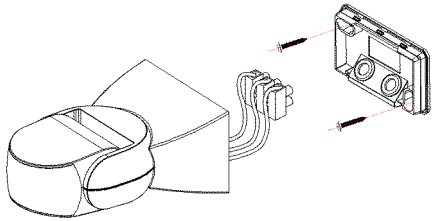
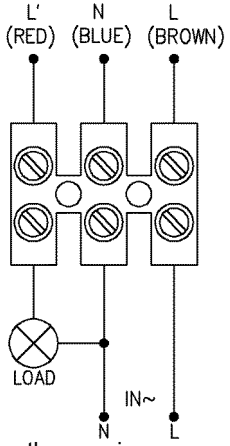


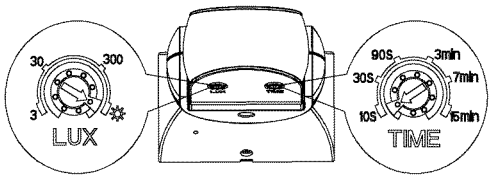
Figure2

CONNECTION-WIRE DIAGRAM:

(See the right figure)



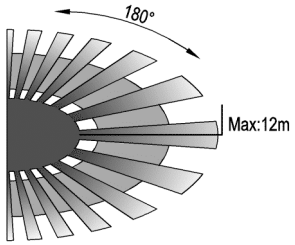
TEST:



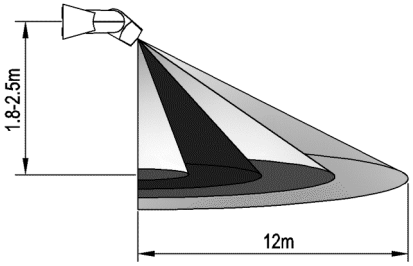
- Turn the LUX knob clockwise to the maximum (sun).Turn the TIME knob anti-clockwise to the minimum (10s).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After a 30 second warm-up, the sensor will start to work. If the sensor receives the induction signal, the lamp will activate. In the absence of another signal, the load should stop working within 10sec±3sec and the lamp will de-activate.
- Turn LUX knob anti-clockwise to the minimum (3). If the ambient light is more than 3LUX, the sensor will not work and the lamp will stop working too. If the ambient light is less than 3LUX (darkness), the sensor will activate. Under no induction signal condition, the sensor should stop working within 10sec±3sec.

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

SENSOR INFORMATION:



Height of installation: 1.8-2.5m



Detection Distance: Max.12m

PROBLEM SOLVING AND SOLUTIONS:

- The load does not work:
  - a. Please check if the connection oR power source and load is correct.
  - b. Please check if the load is correct.
  - c. Please check if the working light settings correspond to ambient light conditions.
- The sensitivity is poor:
  - a. Please check if there is any hindrance in front of the detector to affect it's ability to receive signals
  - b. Please check if the ambient temperature is too high.
  - c. Please check if the induction signal source is within the detection field.
  - d. Please check if the installation height corresponds to the height required in the instruction
  - e. Please check if the moving orientation is correct.
- The sensor can not shut off the load automatically:
  - a. Please check if there is continual signal within the detection field.
  - b. Please check if the time delay is set to the maximum position
  - c. Please check if the power source corresponds to the instruction specification.

Helpline

If you receive this item with parts broken or missing, please telephone:

0333 005 0077

Please have ready your name, address, tel. no., product reference, where purchased and parts required. An answering service is in operation outside office hours and during busy periods.

We regret that we are unable to give advice on internal house wiring.

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