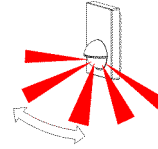
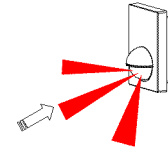


- The unit detects both day and night: It can be adjusted for differing ambient lighting conditions. It can work in both daylight and darkness when it is adjusted to the "sun" position (max). It will operate in ambient light less than 3LUX when it is adjusted to the moon position (min). For information 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

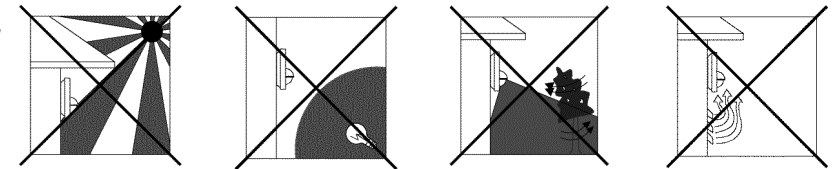
MANUAL OVERRIDE FUNCTION:

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 0.3 seconds.
 - 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 shield any adjacent live components.
- Ensure device cannot be switched on.

Wall panel

PIR Sensor with Manual Override

ZINC ZN33615

Instructions

**Welcome to the ST16 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 0.5W

Installation Height: 1.8-2.5m

Detection Moving Speed: 0.6-1.5m/s

- 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 figure 3).

- Plug the wire into the hole with gasket, and then connect the wire with the 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

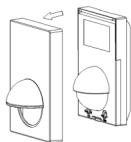


Figure 2

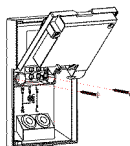
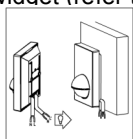
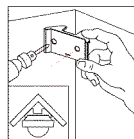


Figure 3

- 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)



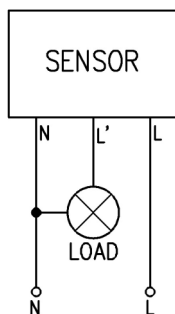
Flat mounted



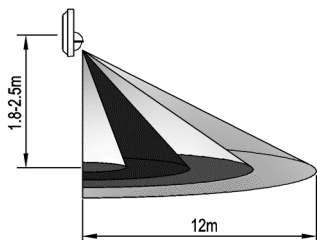
Inner corner mounted

CONNECTION-WIRE DIAGRAM:

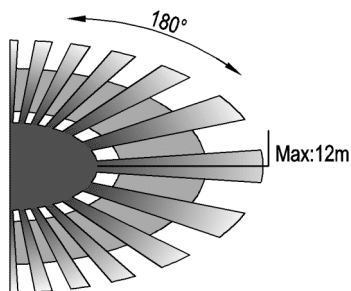
(See the right figure)



SENSOR INFORMATION:



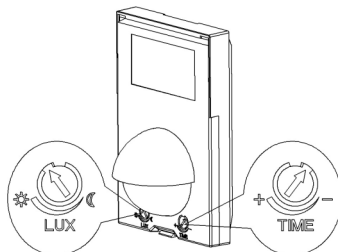
Height of installation: 1.8-2.5m



Detection Distance: Max.12m

TEST:

- Turn the LUX knob clockwise to the maximum (sun); turn the TIME knob anti-clockwise to the minimum (-).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After a 30sec warm up, the sensor will activate. If the sensor receives the induction signal, the lamp will turn



on. In the absence of a subsequent induction signal, the load will de-activate within $10\text{sec} \pm 3\text{sec}$ and the lamp will turn off.

- Turn LUX knob anti-clockwise to the minimum (moon). If the ambient light is more than 3LUX, the sensor de-activate and the lamp will turn off. If the ambient light is less than 3LUX (darkness), the sensor will activate. In the absence of a 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 may not work. If the lamp is more than 60W, the distance between the lamp and the sensor should be at least 60cm.

PROBLEM SOLVING AND SOLUTIONS:

- The load does not work:
 - Please check if the connection or power source and load is correct.
 - Please check if the load is correct.
 - Please check if the working light settings correspond to ambient light conditions.
- The sensitivity is poor:
 - Please check if there is any hindrance in front of the detector to affect its ability to receive signals
 - Please check if the ambient temperature is too high.
 - Please check if the induction signal source is within 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 can not shut off the load automatically:
 - Please check if there is continual signal within the detection field.
 - Please check if the time delay is set to the maximum position
 - 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.

Cascade Holdings Ltd, Gorse Mill, Gorse Street, Chadderton, Oldham. OL9 9RJ