HiSPEC

HSODR/M

INSTRUCTION MANUAL

Welcome to the Hispec HSODR/M infrared motion sensor!

This product has been designed to allow the owner to control their energy usage on the connected light fittings. It utilises the infrared energy from a human as a control-signal source and it will start the load as soon as someone enters the detection field (See Below). It can identify day and night automatically.

SPECIFICATION:

Power Source: 220-240V/AC

Detection Range: 360°

Power Frequency: 50Hz

Detection Distance: 6m max(<24℃)

Ambient Light: <3 - 2000LUX (adjustable)

Working Temperature: -20~+40℃

Time Delay: Min. 10sec ± 3sec

Max. 15min ±2min

Power Consumption: approx. 0.5W

Rated Load: Max : 800W

Max : 400W (CFL)

Working Humidity: <93% RH

Installation Height: 2.2 - 4m

Detection Moving Speed: 0.6 - 1.5m/s

FUNCTION :

Day & Night: The consumer can adjust the working state in different ambient light. It can work in the daytime and at night 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: 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.

⇒ Avoid mounting the detector near heat sources, such as heating vents, air conditioning units etc…

⇒ Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc...

Warning. Danger of death through electric shock! ⚠WARNING

Must be installed by professional electrician.

Disconnect power source.

Cover or shied any adjacent live components.

Ensure device cannot be switched on.

Check power supply is disconnected.

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CONNECTION:

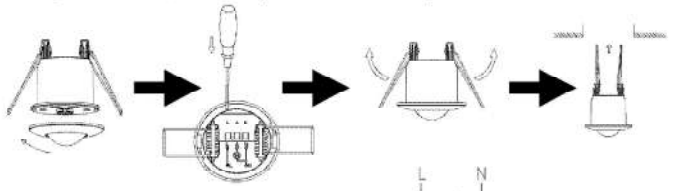
⇒ Turn the plastic cover, that is on the top of the sensor, clockwise and adjust the time and LUX knob.

⇒ Loosen the screws in the connection terminal, and then connect the power to the connection terminal of the sensor in accordance to the connection-wire diagram.

⇒ Fold the metal spring of the sensor upwards, until they are in an "I" position with the sensor, and then put the sensor into the hole or installation box which is in the ceiling.

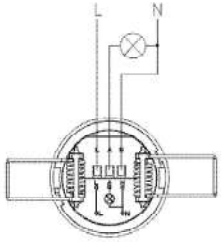
⇒ Releasing the spring, the sensor will be set in this installation position.

⇒ After finishing the installation, turn on the power and test the fitting.



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 30sec warm up, the sensor can start to work. If the sensor receives the induction signal, the lamp will turn on. When there is no other induction signal, the load should stop working within 10sec±3sec and the lamp will turn off.

⇒ Turn the 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 work. Under no induction signal condition, the sensor should stop working within 10sec±3sec.

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

Problems/Solutions:

The load does not work:

a. Please check that the connection of the power source and the load is correct.

b. Please check that the load isn't faulty.

c. Please check that the settings of the working light correspond to the ambient light.

The sensitivity is poor:

a. Please check if there is anything blocking the detector.

b. Please check that the ambient temperature isn't too high.

c. Please check that the induction signal source is in the detection field.

d. Please check that the installation height corresponds to the height required in the instructions.

e. Please check that the moving orientation is correct.

The sensor can not shut off the load automatically:

Please check that the there is a continual signal in the detection field.

b. Please check that the time delay is set to the maximum position

c. Please check that the power corresponds to the instructions.