

**HiSPEC****HSP1R180****Welcome to the Hispec HSP1R180 adjustable infrared motion sensor!**

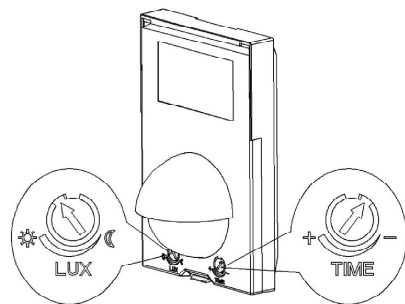
This product has been designed to allow the owner to control their energy usage on the connected light fittings. It utilises the infrared energy from a human as a control-signal source and it will start the load as soon as someone enters the detection field (See Below). It can identify day and night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

**SPECIFICATION:****Power Source:** 220-240V/AC**Detection Range:** 180°**Power Frequency:** 50Hz**Detection Distance:** 12m max(<24°C)**Ambient Light:** <3 - 2000LUX (adjustable)**Working Temperature:** -20~+40°C**Time Delay:** Min.10sec±3sec

Max.7min±2min

**Power Consumption:** approx. 0.5W**Rated Load:** Max : 1200W

Max : 300W (CFL)

**Working Humidity:** <93% RH**Installation Height:** 1.8 - 2.5m**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 "moon" 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!**

Must be installed by professional electrician.

Disconnect power source.

Cover or shield any adjacent live components.

Ensure device cannot be switched on.

Check power supply is disconnected.

**HiSPEC****HSP1R180****CONNECTION:**

- ⇒ 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 the inflated screw on the selected position (refer to the figure 3).
- ⇒ Plug the wire into the hole with the gasket and then connect the wire with connection column according to the 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

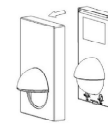


Figure 2

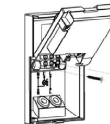
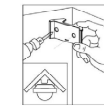
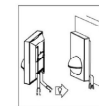
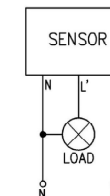


Figure 3

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)



**CONNECTION-WIRE DIAGRAM:**  
(See right)

**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 30 second warm-up, the sensor can start working. If the sensor receives the induction signal, the lamp will turn on. While there is no other induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off.
- ⇒ Turn the LUX knob anti-clockwise on the minimum (moon). If the ambient light is more than 3LUX, the sensor would not work and the lamp will stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within 10sec±3sec.

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

**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 is good.
- c. Please check if the settings of working light correspond to the ambient light.

The sensitivity is poor:

- a. Please check if there is anything blocking the front of the detector.
- b. Please check if the ambient temperature is 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 instruction.
- e. Please check that the moving orientation is correct.

The sensor will 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 set to the maximum position.
- c. Please check that the power corresponds to the instruction.

**INSTRUCTION MANUAL****INSTRUCTION MANUAL**