AirSensor
PIR.S 102

Function:

Can identify day and night: The consumer can adjust 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.

SENS adjustable: It can be adjusted according to the location where it is used. The detection distance of low sensitivity could be only 2m and high sensitivity could be 16m which fits for a large room.

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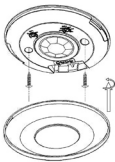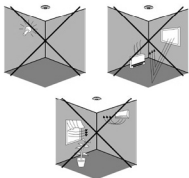

Good sensitivity   Poor sensitivity

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, lights etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.
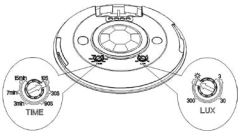
Connection:

⚠ 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.
- Ensure that the power supply is disconnected.
- Please move the upper cover with an anti-clockwise whirl as per the diagram on the right.
- Connect the power and the load according to the connection-wire diagram.
- Fix the bottom on the selected position with the inflated screw.
- Install back the upper cover on the sensor, then you could switch on the power and test it.

- Turn the TIME knob anti-clockwise to the minimum (10s). Turn the LUX knob clockwise to the maximum (sun).

Connection-wire Diagram:

The wires come in and out from the bottom

The wires come in and out from the side

- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After a warm-up of 30 seconds, the sensor will start working. If the sensor receives the induction signal, the lamp will turn on. When there isn't an induction signal, the load will stop working within 10sec±3sec and the lamp will turn off.

- Turn the LUX knob anti-clockwise to on 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 will stop working within 10sec±3sec.

Sensor Information:

Height of installation
2.2-4m

Detection distance
Max. 8m

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

Some Problems & Their Solutions:

The load does not work:
a. Please check if the connection of power source and load is correct.
b. Please check if the load is good.
c. Please check if the settings of working light correspond to ambient light.

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 set to the maximum position.
c. Please check if the power corresponds to the instruction.

The sensitivity is poor:
a. Please check if there is any hindrance in front of the detector that prevents it from receiving the signals.
b. Please check if the ambient temperature is too high.
c. Please check if the induction signal source is in 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.

For Additional Information Contact Us

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