

INFRARED MOTION SENSOR S03A

INSTRUCTION

Welcome to using:

The product is a new energy-saving switch, it adopts good sensitivity detector, integrated circuit and SMT. It gathers automatism, convenient safety, energy-saving and practical functions. Three detectors inside compose a wide range detection field, it utilizes the infrared energy from human as control signal source. It can start the load at once when one enters its detection field. It can identify day and night automatically. It is easy to install and widely used.



SPECIFICATION:

Power source:220-240V;110-130V

Power Frequency:50/60Hz

Ambient light:20-2000LUX

Time delay:10sec. ± 2 sec. Min.

12min \pm 1min Max

Rated load:1200W max.(220-240V)

600W max.(110-130V)

Detection range:360°

Working Temperature:-10°C ~ +40°C

Working Humidity:<95%RH

Installation height:2.5m-3.5m

Power consumption:0.45W(statics 0.1W)

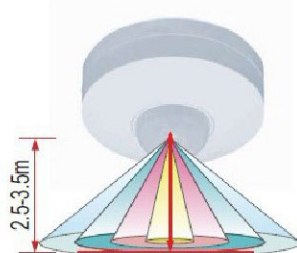
Detection speed:0.6-1.5m/s

Detection distance:3m-10m(<22°C)

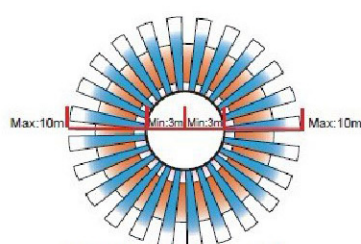
Sensor's LED:

1. It always light after switch on power, and be off after the unit enter working state.
2. It light once when the unit receives sensing signal.

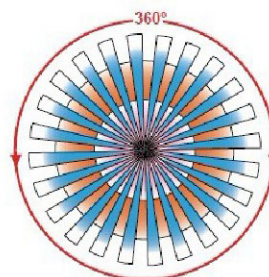
Induction Range:



Height of installation2.5~3.5M



(Height of installation3.5M)
Sensing distance adjustment range



Sensing angle adjustment range

FUNCTION:

You can manually adjust the Time-delay, Sensitivity and light control (For detail: see 1.knob setting); it is very easy to use. Install Sensor at 2.5~3.5m position on the wall (For detail: see 3. installation) and connect the wire according to the 2. connection figure. Switch on power, after about 1 minute the unit

enter stable working state. Here please turn TIME knob to the position close to minimum, and turn LUX to sun for testing. If it works normally, turn the TIME knob to the minimum" IMPULSE" position(). When it senses again, the controlled lamp will be turned on and off regularly. If the above tests go through, then select the time, light control and sensitivity to your need. So its installation is ok.

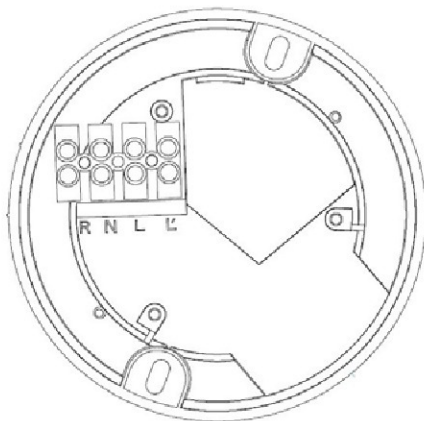
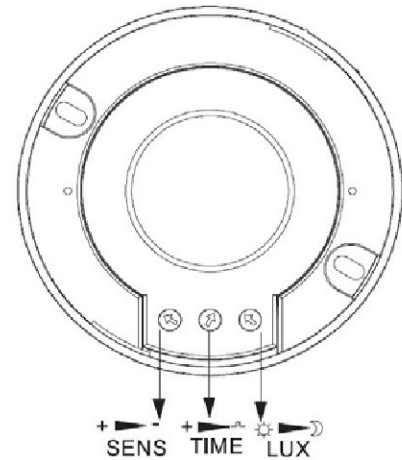
1.Knob setting

1) SENS: Adjust detection distance. Turn clockwise to increase it and turn anti-clockwise to decrease it. It is 3m when turn to mini, and it is 10m when turn to max.

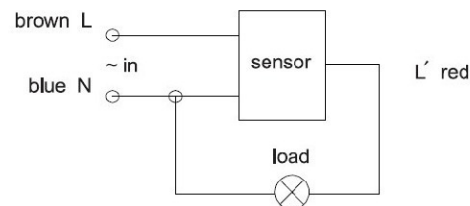
2) Time: Adjust time delay of load work. Turn clockwise To increase it and turn anti-clockwise to decrease it. The Time delay is about 12min when turn to max. It is in Impulse mode when turn to min. In impulse mode if you Want turn to short time mode turn anti-clockwise a little When LED blink three times is ok.

3) LUX: Adjust working light. Turn clockwise to increase It and turn anti-clockwise to decrease it. When turn to mini. It will only work below the ambient light about 20lux, when Turn to max. it can work at any ambient light.

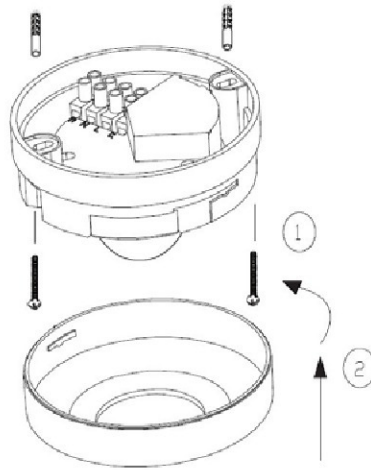
2.Connection figure



L : Power input
N : Neural
L' : Load



INSTALLATION (See the following diagram)



- Switch off the power.
- Rotate top cover counter-clockwise and take off it, tighten off the screw fixing bottom cover
- Install the bottom cover on selected position with screw(like 1)
- According to the connection figure connect the power wire and load wire into the connection line column in sensor
- Button top cover on sensor and rotate it tighten clockwise(like 2), the installing finished

NOTES:

- 1) Electrician or experienced human can install it;
- 2) Avoid installing it on the unrest objects
- 3) In front of the detection window there aren't hinder or unrest objects effecting detection.
- 4) Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc
- 5) Please don't open the case for your safety if you find the hitch after installation.
- 6) If there are some difference between instruction and the function the product has, please give priority to product.

SOME PROBLEM AND SOLVED WAY

The load don't work:

- a Check the power and the load;
- b If the load is good;
- c If the indicator lamp is green;
- d Please check if the working light correspond to the ambient light.

The sensitivity is poor:

- a Please check if in front of the detection window there is hinder that effect to receive the signals.
- b Please check the ambient temperature;
- c Please check if the signals source is in the detection field;
- d Please check the installation height;

e If the moving orientation is correct.

The sensor can't shut automatically the load:

a If there are continual signals in the detection fields;

b If the time delay is set to the longest;

c If the power correspond to the instruction.

d If the air temperature change near the sensor, for example air condition or central heating etc.