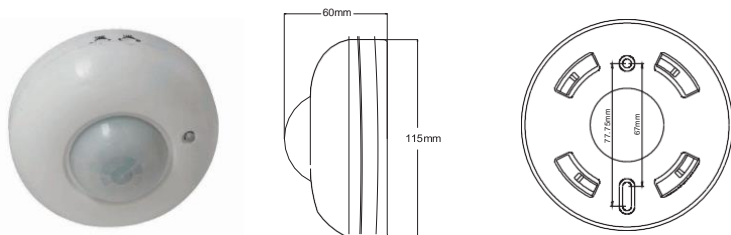




SP-S02 Infrared Motion Sensor Instruction



Summary

The product is a new energy-saving switch, it adopts integrated circuit and the good sensitivity detector. It incorporates automatism, convenience, energy-saving, safety and practicality. It works by receiving human motion infrared rays. It can start the controlled load at once when one enters detection field. It can identify day and night automatically. Its installation is very convenient and using range is wide. It has the functions of power indication and detection indication.

Specifications

Power source: 220-240V/AC

Power frequency: 50Hz

Rated load: 1200W Max.tungsten (220-240V/AC)
300W Max. fluorescent (220-240V/AC)

Light-control: <10~2000LUX(adjustable)

Detection range: 6m Max (24°C)

Time setting: Min: 10±2sec Max: 7±2min(adjustable)

Detection angle: 120°(side view)
360°(top view)

Working temperature: -10°C~+40°C

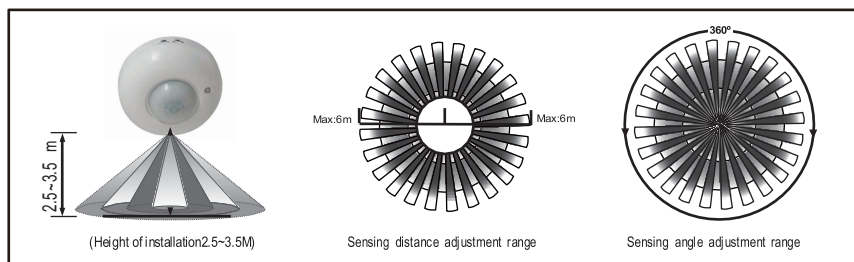
Working humidity: <93%RH

Installation height: 2.5m~3.5m

Power consumption: 0.5W (static 0.1W)

Detection speed: 0.6 ~1.5m/s

Sensor information



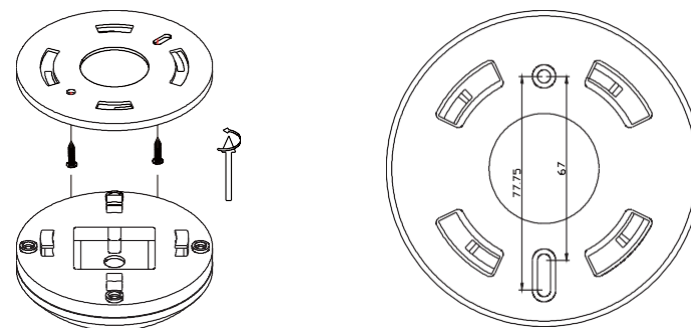
Function

- Can identify day and night: The consumer can adjust work 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 is added continually: When it receives the second induction signals after the first induction, it will compute time once more on the basic of the first time-delay rest.
- Time-Delay is adjustable. It can be set according to the consumer's desire. The minimum time is 10sec±3sec. The maximum is 8min±2min.

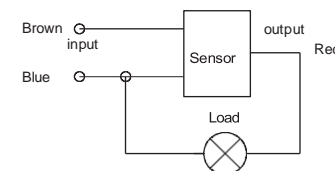
Installation(see the following figure)

- Switch off the power.
- Turn clockwise the bottom-stand and take off it. The power wire cross the hole in the middle of bottom-stand.
- The bottom-stand is fixed on the selected position with inflated screw.
- Connect the power and the load into the connection-wire column of the sensor according to connection-wire diagram.
- The sensor aimed at the mouth of bottom-stand and turned anti-clockwise.



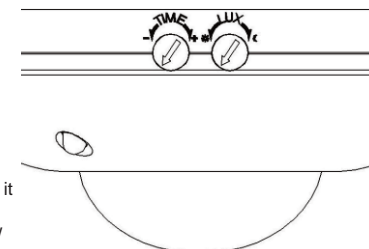
Connection-wire diagram

(see the right figure)



Test

- Turn the TIME knob to minimum (-) position with anti-clockwise. Turn the LUX knob to SUN position with anti-clockwise.
- Switch on the power, the controlled load and indication lamp both are not working. Preheat 30 sec later, the load and indication lamp should be turned on synchronization. In the absence of no inductor signals, the load should be stopped working within 5-30sec, the indicator lamp is turned off.
- After the first sense is finished, and it will sense again after 5-10sec. The load should work. When there is no inductor signals in the indicator lamp, the load should be stopped working within 5-15sec.
- Turn LUX knob clockwise on the minimum (MOON position). If it is adjusted in the less than 3LUX, the inductor load should not work after load stop working. If you cover the detection window with the opaque objects (towel etc), the load work under no induction signal condition, the load should stop working within 5-15sec.





Note

- Electrician or experienced human can install it.
- The unrest objects can't be regarded the installation basis-face.
- In front of the detection window there aren't hinder or unrest objects effecting detection.
- Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc.
- Please don't open the case for your safety if you find the hitch after installation.
- If there are some difference between instruction and the function the product has, please give priority to product and sorry not to inform you additionally.

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 light-control.
- **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 setting 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.



Warning!

- Please confirm with professional installation.
- Please cut off power supply before installation and removal operations.
- Make sure that you have cut off the power for safety purposes.
- Improper operation caused losses, the manufacturer does not undertake any responsibility.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

This instruction, without our permission, should not be copied for any other purposes.