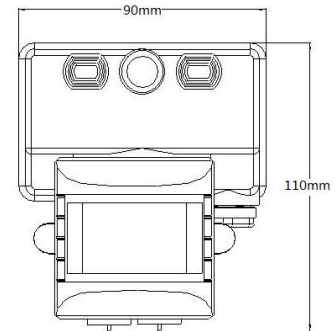
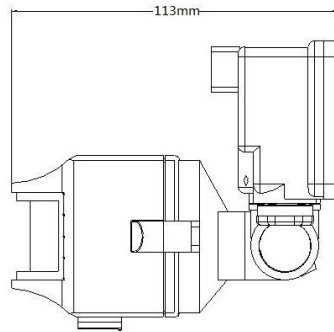


# SIL-01 Infrared Sensor



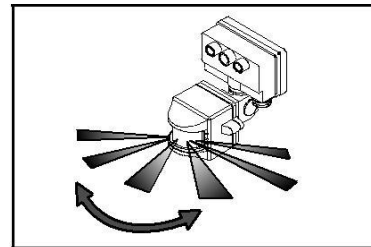
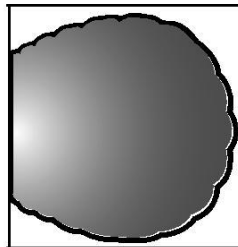
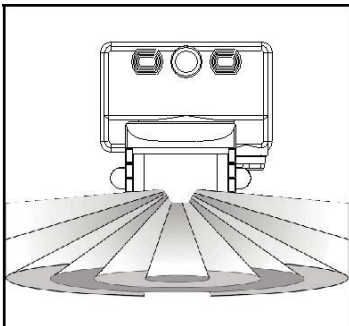
### Summary

The product is an energy-saving automatic switch, it adopts integrated circuit and infrared energy detector. It can be on when someone comes and off when leaves. Its performance is stable. It can identify day and night automatically. The light can turn on when someone enters detection field and trigger it, it can turn off automatically when leaves detection field.

### Specification

Power source: 100-130V/AC 220-240V/AC  
Power frequency: 50/60Hz  
Rated load:  
800W Max.tungsten(100-130V/AC)  
200W Max.fluorescent(100-130V/AC)  
1200W Max.tungsten(220-240V/AC)  
300W Max.fluorescent(220-240V/AC)  
Detection range:12m (22 °C) Detection angle:120 °  
Time setting: min:5sec,max:10min±2min (adjustable)  
Light-control: <10~2000LUX (adjustable)  
Working temperature: -10 °C~+40 °C Working humidity: <93%RH  
Installation height: 2~4.5m

### Sensor information



### Function

## SENSORCN TECH LIMITED

Automatically identify day and night. The ambient-light can be selected, so it works at night and be off in the daytime.

Time setting can be adjusted vary to the place.

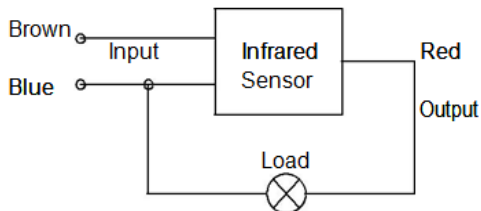
It is mainly used with halogen lamp. Also it can be used independently.

### Installation

While installing connect the line according to the below fig.

N – blue L – brown

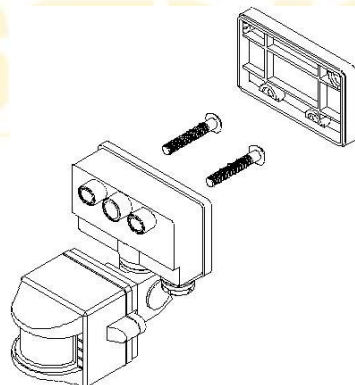
Red ( be from infrared sensor) connect blue and brown with power connect blue and red with load



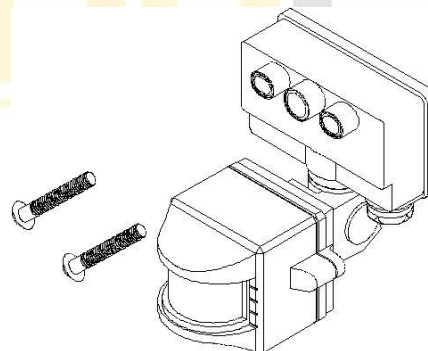
Detailed installation:

Connection-wire diagram

1. Please tighten off the screw on the connection-line box, take off the rear lid of the box.
2. According to the connection line figure and the sign on the connection line box, connect the power and load with the sensor.
3. Install the sensor in the selected position like the right diagram way.
4. Please cover the rear lid and tighten the screw.



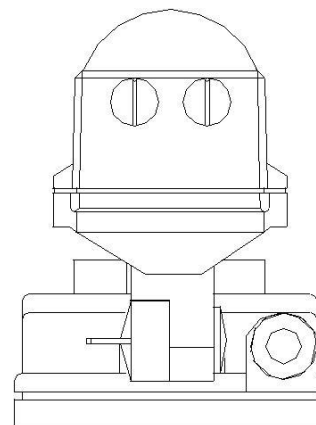
Installation figure fitting the lamp



Installation figure using alone

### Test

1. After installation, please turn anti-clockwise the time knob(TIME) to the minimum and turn anti-clockwise the light-control knob(DAYLIGHT) to the end before you switch on the power.
2. Switch on the power, the light can be on after 30sec. After it turns off, make it to sense after 5~10 sec.
3. If all are under good condition, with time adjustment knob the light period can be adjusted according to your desire, with light-control knob ambient-light can be adjusted .



### Note

Avoid installing it where there are sunshine or air current and temperature alter obviously. Avoid touching the lens device with sharp things or coarse pollutant.

### Some problem and solved way

The load do not work:

1. Please check if the connection-wiring of power and load is correct;
2. Please check if the load is good ;
3. Please check if the working light set correspond to light-control.

The sensitivity is poor:

1. Please check if there has hinder in front of the detection window to effect to receive the signal;
2. Please check if the ambient temperature is too high;
3. Please check if the induction signal source is in the detection fields;
4. Please check if the installation height corresponds to the height showed in the instruction;
5. Please check if the moving orientation is correct.

The sensor can not shut off the load automatically:

1. Please check if there is continual signal in the detection field;
2. Please check if the time setting is the longest;
3. Please check if the power correspond to the instruction;
4. Please check if the temperature near the sensor change obviously, such as air condition or central heating etc.

### Responsibility

Sensorcn will not be responsible for the product damage or other risks under the inappropriate condition. For example, using while parameter exceeds the absolute limit or in the circumstance with strict requirement such as safety devices, fire alarm, life support devices and so on.

### Warranty

Sensorcn guarantee that no defective material or deficient technology are used during the process. And we assure a one-year duration period beginning from the date the delivery signed up.

All the products made by Sensorcn accord the above warranty, except for the ones made for flourmill, lime factory, metal works, etc, which require a hostile environment with high concentration, temperature, humidity. For more specifics of the warranty, please refer to the order confirmation or consult the sales of Sensorcn. The product returned to Sensorcn before the expiration date and inspected to be defective will be repaired or exchanged.

### 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.

Customer should determine the applicability of the product for your own good while Sensorcn provide the application assistance through official document and Sensorcn website. We believe the information here are accurate and reliable, but we have no responsibility for the usage.

### Contact

Any questions, please consult the sales or technician of Sensorcn.

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