SensLights Model Specification	SLL 19118A Infrared Motion Sensor
Power Supply	I00rvl30VIAC 220rv240VIAC
Power Frequency	50 ~ 60Hz
Rated Load	I200W(220rv240VIAC)
Ambient Light	<3Luxrv2000Lux(adjustable)
Sensing Angle	140 degrees
Sensing Distance	24° C < 12 meters
Time Delay	5 sec~ 8 Minute
Work Temperature	-20 ~ +40 ^{o}C
Power Consumption	0. 45 w (working) 0.1 W (static)
Installation Height	0.5-3.5m
Weight	170g
Detection Moving Speed	0.6-I.5mIs
Working Humidity	<93 % RH
Illumination Location	Gate, backyard, garage, stairs, balcony, fence gate etc..
Notes	1. Avoid sunshine or being against draft outlet of air-con and vent for the installation location.

SLL19118A INFRARED MOTION SENSOR SWITCH

The product is a new saving-energy switch; it adopts good sensitivity detector, integrated circuit and SMT. It gathers automatism, convenience, safety, and saving-energy and practical functions. The wide detection field is made up of up and down, left and right service field. It works by receiving human infrared rays. When one enters the detection field, it can start the load at once and identify automatically day and night. Its installation is very convenient and Its using is very wide.

Fig 3

Field of View: (see Fig.4)
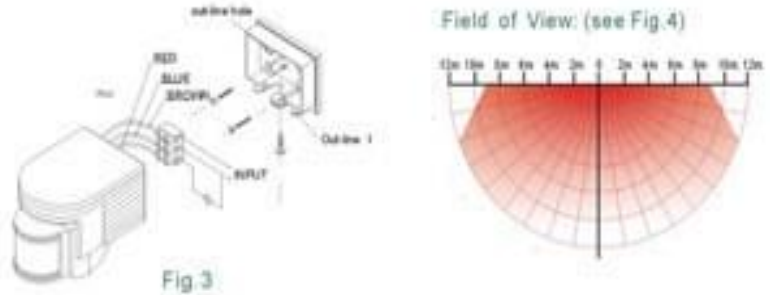
SPECIFICATIONS **Sens**Lights

Power source£º100V/AC~130V/AC
220V/AC~240V/AC
Power frequency:50~60Hz
Ambient light£º<3LUX~2000LUX£¨adjustable£©
Time-delay £ºmin: 8sec¡À3sec
max:10min¡À2min
Rated load£º800W£¨110V/AC~130V/AC£©
1200W £¨220V/AC~240V/AC£©

Detection range : 140 D 180D
Detection distance£º12m max(<24¡æ)
Working temperature£º-20~40¡æ
Working humidity£º<93%RH
Installation height£º0.5m~3.5m
Power consumption£º0.45W (static 0.1W)
Detection motion speed£º0.6~1.5m/s

FUNCTION:

- Detection field: the detection field (see the following diagram) is made up of up and down, left and right service field. It can be selected according to the consumer's desire. the moving orientation has great relationship with the sensitivity

- Can identify day and night: The consumer can adjust ambient light when it works. It can work in the daytime and at night when it is adjusted on the ¡ºsun¡± position (max). It can work in the ambient light less than 3LUX when it is adjusted on the ¡ºmoon¡± position (min). As for the adjustment pattern, please refer to the testing pattern;

Correct moving orientation

Incorrect moving orientation

- Time-Delay can be added continually: When it receives the second induction signals after the first, it computes time once more on the basis of the first time-delays rest. (Set time).

- Time Delay adjustment: It can be set according to the consumer's desire. The minimum time is 8sec¡À3sec. The maximum is 10min À2min.
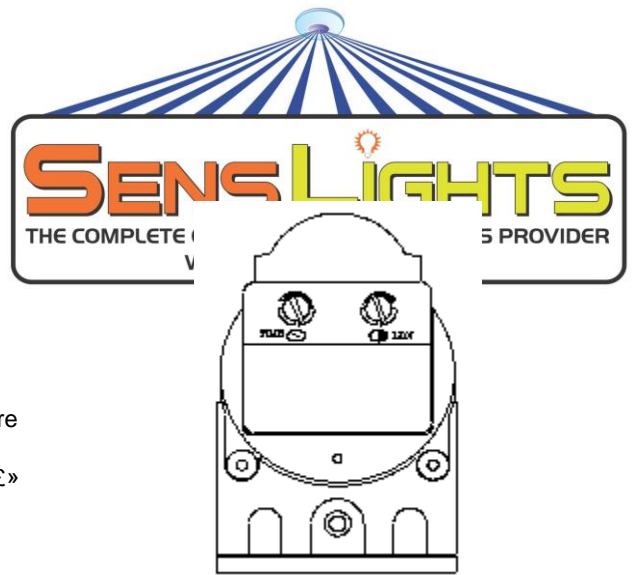
INSTALLATION **Sens**Lights see the following diagram£©

- Switch off the power£»
- Screw off the nail on the bottom. Open the wire hole. The power wire and the load wire are bored in the bottom£»
- The bottom is fixed on the selected position with the inflated screw£»
- connect the power and the load with the connection-wire column according to the sketch diagram£»
 So you can test it¡£
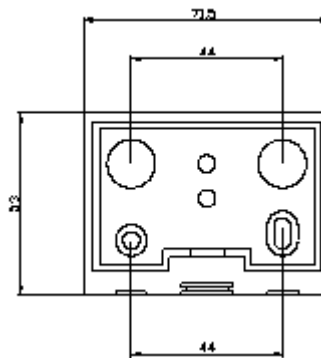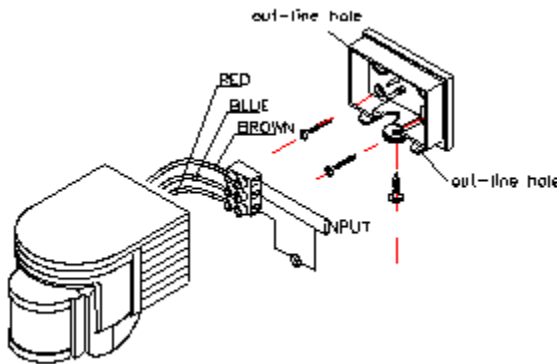
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  The sensor is fixed on the bottom, please screw the nail and connect the power.

CONNECTION-WIRE DIAGRAM sees the right figure

TEST£º

- turn the light-control knob clockwise on the maximum(sun), turn the time knob clockwise on the minimum£»
- After the first is out, make it sense again after 5~10sec, the load should work. The load should stop working within 5~15sec;
- Turn ambient light knob anti-clockwise on the minimum. If it is adjusted in the less them 3LUX, after load stop working, the inductor load should not work. If you cover the detection window with opaque objects (towel etc), the load work. under the no inductor signals conditions, the load should stop working within 5~15sec£»
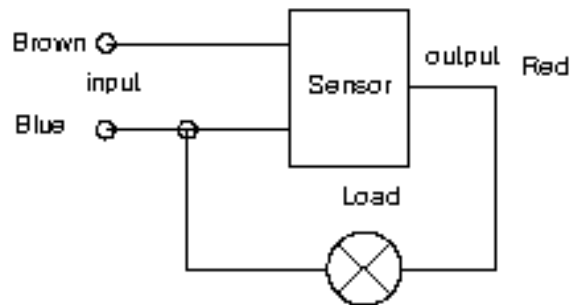
NOTES£º

- Electrician or experienced human can install it£»
- The unrest objects cant be regarded as the installation basis-face£»
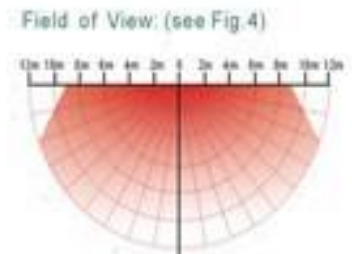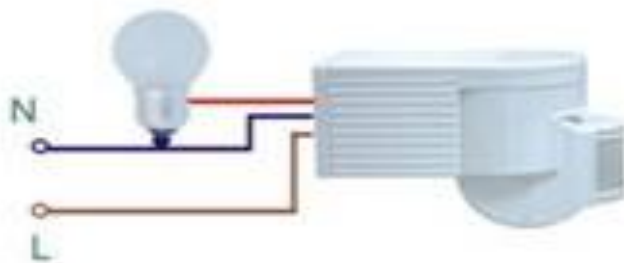- In front of the detection window there should be no hinder or unrest objects effecting detection.
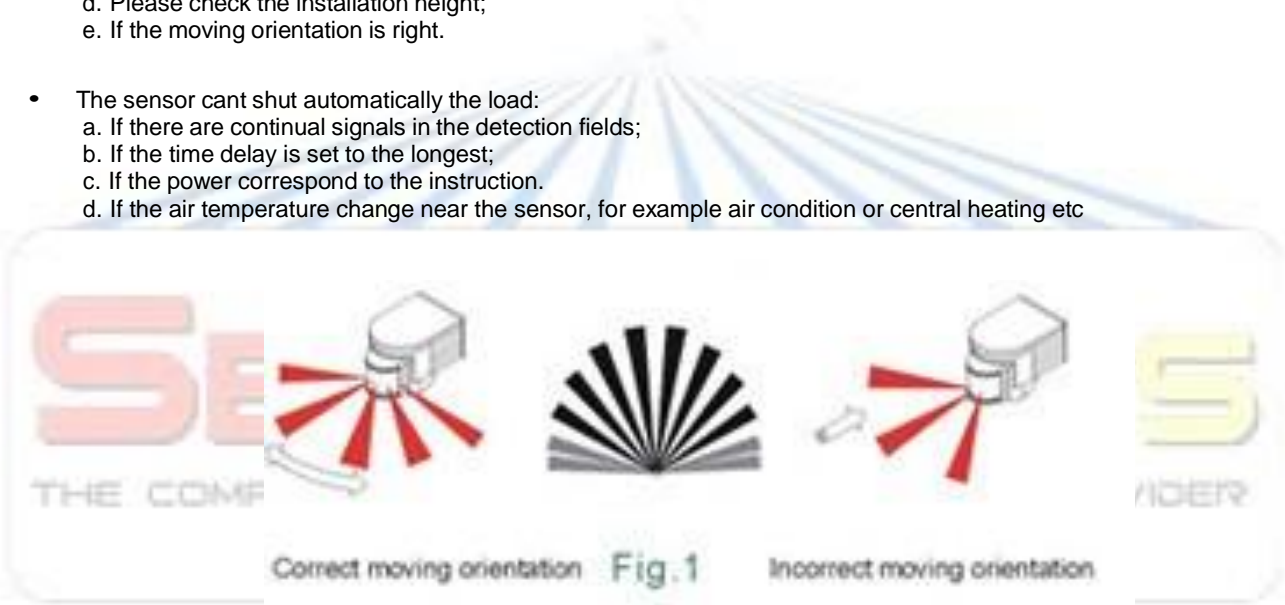
- Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc
- For your safety, please don't open the case if you find the hitch after installation.
- In order to avoid the unexpected damage of product, please add a safe device of 6A when installing infrared sensor for example: fuse, safe tube etc.

SOME PROBLEM AND SOLVED WAY

- The load don't work£⁰
   a. Check the power and the load£»
   b. If the load is good£»
   c. Please check if the working light correspond to the ambient light¡£

- The sensitivity is poor£⁰
   a. Please check if in front of the detection window there is hinder that effect it to receive the signals¡£
   b. Please check the ambient temperature;
   c. Please check if the signals source is in the detection fields;
   d. Please check the installation height;
   e. If the moving orientation is right.

- The sensor cant 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

Correct moving orientation   Fig.1   Incorrect moving orientation

Field of View: (see Fig.4)