INFRARED MOTION SENSOR   S19

INSTRUCTION

WELCOME TO USING:

The product is the new saving-energy switch adopted the good sensitivity detector, integrated   circuit and SMT. automatic, It gathers convenient   safe saving-energy and practical functions. The wide detection fields are made up of up and down,   left and right service f ield. It works by receiving human mot ion infrared rays. When human enter detection fields, it can start the load at once and identify automatically day and night; its installation is very convenient and its using is very wide.

SPECIFICATIONS:

Power source:220-240V~ Detection range:180
Power frequency:50~60Hz
Ambient light:<2Lux~daylight(adjustable)(<24℃)
Detection distance:12m(adjustable)
Time-delay:Min:8sec 3sec Max:6min 2min(adjustable)
Working temperature:-20~40
Working humidity:<93%RH
Rated load:1100W(220-240V~)
Installation height:1.5m-3.5m
Power consumption:0.45W(static0.1W)
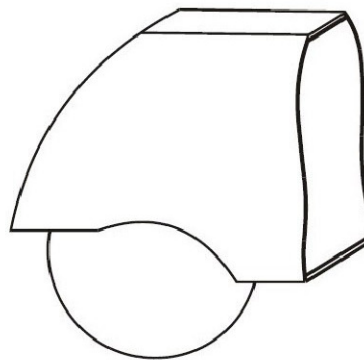Detection motion speed:0.6~1.5m/s

Fig:1

FUNCTION:

1) Detection field: the detection fields(see the following diagram) is made up of up and down, left and right service field. It can be selected according to the consumer desire. It has the relationship between the orientation of moving and sensitivity;

2) Can identify day and night: The consumer can adjust ambient light when it worked. It can work at the day and night when it is adjusted on the (sun) position(max). It can work in the less than 2Lux ambient light when it is adjusted on the (moon) position (min).As for the adjustment pattern, please refer to the testing pattern;

3) Detection distance can be adjusted according to the local place;

4) Time-Delay added continually: When it received the second induction signals after the first inductor,you should compute time once more on the rest of the first time delay basic.(set time).

5) Time-Delay adjustment: It can be set according to the consumer desire. The minimum time is 8s 3s. The maximum is 6min 2min
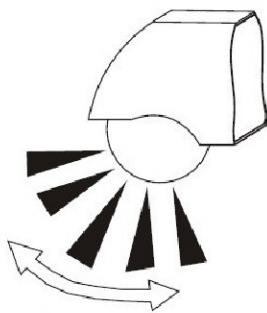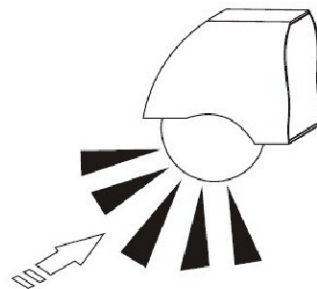
Correct the moving orientation

Fig:2

Fig:3

Incorrect the moving orientation

Fig:4

INSTALLATION (see the following diagram)

1) Switch off the power;

2) Screw off the nail from cover;

3) Loosen the screw of connecter, connect the power cable

(According the symbol of <L> and <N>),then connect the load wire(according the symbol < → >);

4) The button be fired on the selected position with the inflated

screw;

Screw on the nail and c osed the cover, then switch on the power;

So you can test it.

Warning: Please assemble it according to the figure to avoid the dangerous, because of the possibility of water entering.
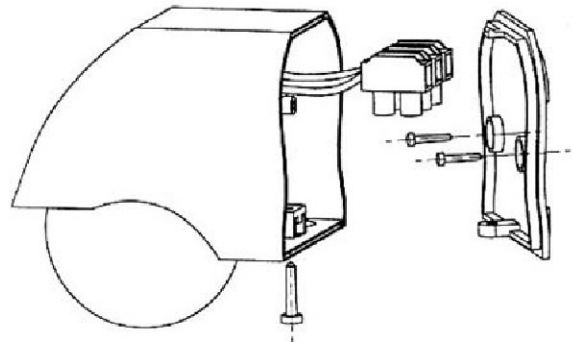

Fig:5

CONNECTION-WIRE DIAGRAM (see the right figure)

TEST:

1) The light-control knob turn clockwise on the maximum (sun), the time-knob

anti-clockwise on the minimum;

2) When you switch on the power, the load work. Under the no inductor

signals conditions, the load should stop working within 5~30sec;

3) After the first is out, take 5~10sec to sense. The load should work.

The load should stop working within 5~15sec;

4) Ambient light knob turns anti-clockwise on the minimum. If it is adjusted in the more than 2Lux, the inductor load should not work after load stop working. If you cover the detection window with the opaque objects(toweletc), the load work. Under the no inductor signals conditions, the load should stop working within 5~15sec.
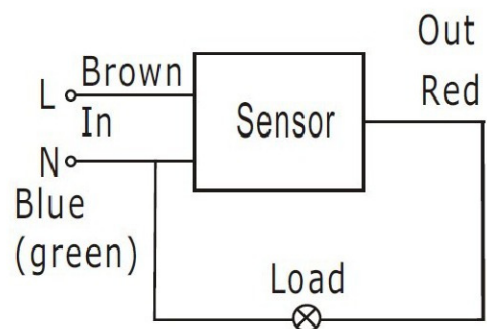
NOTES:

1) Electrician or experienced human can install it;

2) The unrest objects can not be regarded the installation basis-face;

3) Front of the detection window has not hinder or unrest objects effecting detection.

4) Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc.

5)Please do not open the case for your safety if you find the hitch after installation.

SOME PROBLEM AND SOLVED WAY

The load do not work:

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:

a Please check if the front of the detection window has the hinder that effect 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 can not shut automatically the load:

a If it has the continual signals in the detection fields;

b If the time delay is longest;

c If the power correspond to the instruction;

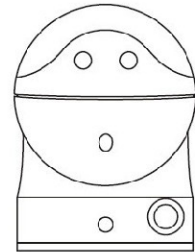d If the air temperature change near the sensor, for example air condition or central heating etc.

Fig:7