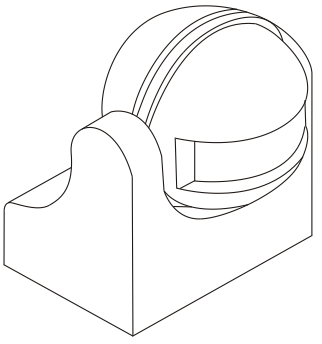
DPS39 INFRARED SENSOR
Instruction

This product is a new type of energy-saving lighting switch, adopted high sensitivity detector, integrate circuit and SMT; It gathers automatic, convenience, safety, energy-saving, practical functions; It has wide detection range made of up and down, left and right service field; It utilizes human motion infrared rays as control signal sources, when persons enter into detection field, it will start the control load quickly; It can identify day and night automatically; It is easy to install and its usage is wide; It has the function of power and detection indication.

Specification:

Power source: 220V/AC~240V/AC □
110V/AC~130V/AC □
Detection distance: 12m max(<24℃)
Detection angle: 180 degree □
140 degree □
Power frequency: 50~60Hz
Ambient light: <3LUX~daylight (adjustable)
Working temperature:-20~40℃
Time-delay: min: 8s±3s
max: 7min±2min
Working humidity: <93%RH
Installation height: 0.5m±3.5m
Rated load: 1200W (220V/AC-240V/AC) 800W(110V/AC)
Power consumption: 0.45W (static 0.1W)
Detection motion speed: 0.6-1.5m/s



Function:

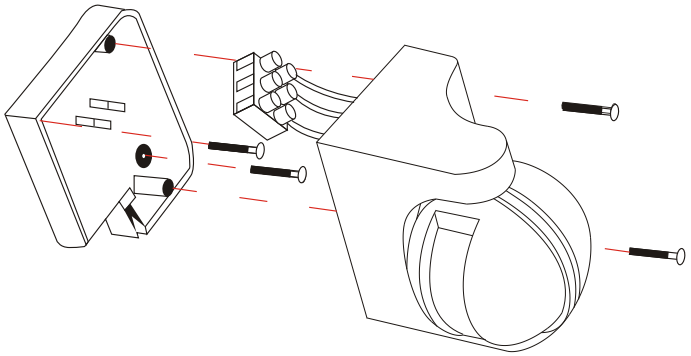
• Detection field: The wide detection range made of up and down, left and right (see the following diagram), the detection range could be selected according to your desire, but there are much relation between motion orientation and sensitivity in detection fields;
• Identify day and night automatically: The ambient light of DPS39 could be adjusted accord to your desire: when you turn to SUN (max), it will work day and night, when turning to MOON (min), it will only work under less than 3LUX circumstance. As for adjustment, please refer to testing way;
• Time-delay added continually: When it receives the second induction signals after the first induction, it would compute time once more on the rest of the first time-delay basis (set time);
• Time-delay adjustment: It can be set according to your desire, the minimum is 8s±3s,the maximum is 7min±2min.

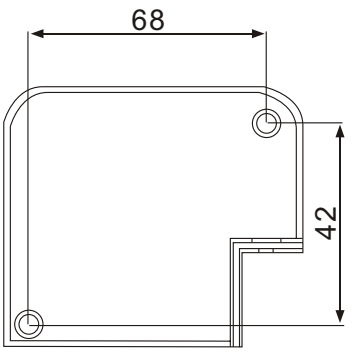
Correct orientation Incorrect moving orientation

Diagram 1

Installation:

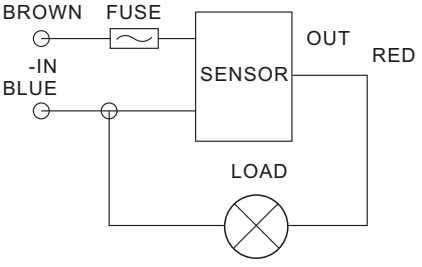
• Shut off power;
• Loosen the screw on the bottom lid, pull open the wiring hole, pass the wire of power and load through the bottom lid;
• Fix the bottom lid with inflated screw in the selected position;
• Connect the power and load wire into connection-wire column according to the connecting figure;
• Put the sensor on the bottom lid, twist the screw tightly then electrifying to test it.





Test:

Turn the light-control knob in clockwise to the maximum (SUN),turn time knob in clockwise to the minimum;
Turn on power, the control load should not work, under the no induction signal condition, the load should stop work within 5-30sec,and the indication lamp should get back to flash one time every 4sec;
It will detect again 5-10sec later since the first is out, the load should work, the load should stop working within 5-20sec;
Turn LUX knob to minimum anti-clockwise, if you test it under the ambient light is more than 3LUX,the induction load would not work after the load stops working; the load should work if you cover the detection window with opaque objects(towel etc),it would be regular the load stops to work within 5-15sec under no induction signal condition.



Note:

Should be installed by electrician or experienced person;
Avoid installing it on the unrest objects;
Hindrance and moving objects should not hide in front of the detection windows;
Avoid installing it near air temperature alteration zones such as air condition, central heating, etc;
Considering your safety, please do not open the cover when 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.

Problem and solutions:

The load do not work:

a) please check if the connection-wiring of power and load is correct;
b) please check if the load is good ;
c) please check if the working light set correspond to ambient light.

The sensitivity is poor:

a) Please check if there has hinder in front of the detection window to effect to receive the signal;
b) Please check if the ambient temperature is too high;
c) Please check if the induction signal source is in the detection fields;
d) Please check if the installation height corresponds to the height showed in the instruction;
e) Please check if the moving orientation is correct.

The sensor can not shut off the load automatically:

a) Please check if there has the continual signals in the detection fields;
b) Please check if the time delay is the longest;
c) Please check if the power correspond to the instruction;
d) Please check if the temperature near sensor change, such as air condition or central heating etc.