

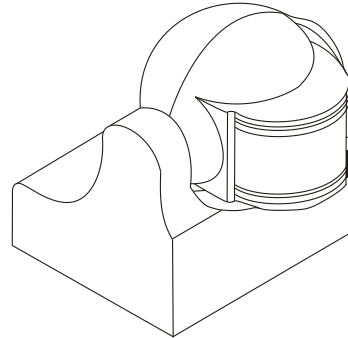
DPS38 INFRARED SENSOR

Power indicating, Easy to Install

The product is the new saving-energy switch adopted the good sensitivity detector, integrated circuit and SMT. It gathers automatism, convenient safe, saving-energy and practical functions. The wide detection fields are made up of up and down. Left and right service field. It works by receiving human motion infrared rays. When human enter detection fields, it can start the load at once and identify automatically day and night.

Specification:

Power source: 100V/AC~130V/AC
220V/AC~240V/AC
Power frequency: 50~60Hz
Ambient light: <3LUX~2000LUX adjustable
Time-delay: min: 8sec±3sec
max: 7min±2min
Rated load: 800W(110V/AC~130V/AC)
1200W(220V/AC~240V/AC)
Detection motion speed: 0.6~1.5m/s
Detection range: 180° 140° 110°
Detection distance: 12m max(<24℃)
Working temperature: -20~40℃
Working humidity: <93%RH
Installation height: 0.5m~3.5m
Power consumption: 0.45W(static 0.1W)



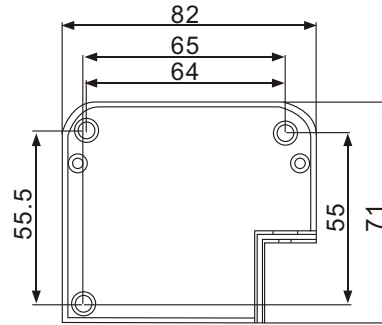
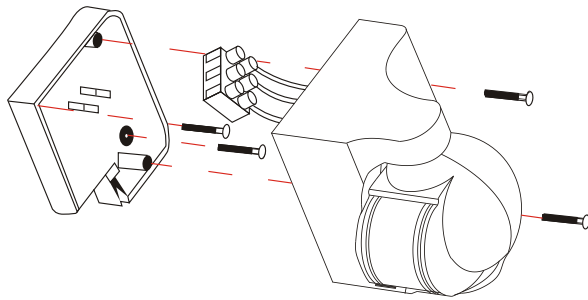
Function:

- Detection field: the detection fields (see the following diagram) is made up of up and down, left and right service field can be selected according to the consumer desire. It has the relationship between the orientation of moving and sensitivity;
- Can identify day and night: The consumer can adjust ambient light when DPS38 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 3LUX ambient light when it is adjusted on the "moon" position (min). As for the adjustment pattern, please refer to the testing pattern;
- Power and detection indication: The indicator lamp can flash one time every 4sec after switching on the power. It can flash 2 times every 1sec after it received the signals. At the same time, it can show the sensor normal conditions for the detection and the power;
- 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).
- Time & Delay adjustment: It can be set according to the consumer desire. The minimum time is 8sec±3sec. The maximum is 7min±2min.



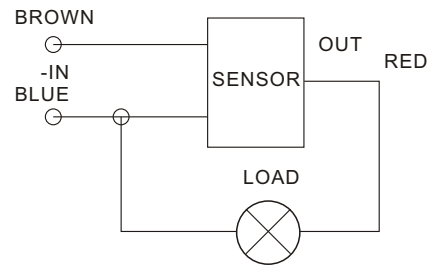
Installation:

- 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;
- The power and the load connected with the connection-wire column according to the sketch diagram;
- The sensor is fixed on the bottom, please screw on the nail and connect the power. So you can test it.



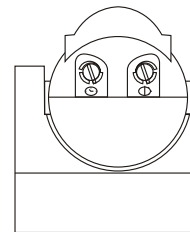
Test:

The light-control knob turn clockwise on the maximum(sun), the time knob turn clockwise on the minimum;
 When you switch on the power, the load don't work and the indicator lamp flash one time in 4sec. After 5~10sec, the load work and the indicator lamp flash two times in 1sec. Under the no inductor signals conditions, the load should stop working within 5~30sec, the indicator lamp should flash still one time in 4sec;
 After the first is out, take 5~10sec to sense. The load should work and the indication flash speed is two times in 1sec. The load should stop working within 5~15sec;
 Ambient light knob turns anti-clockwise on the minimum. 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 the no inductor signals conditions, the load should stop working within 5~15sec;



Note:

Only Electrical technician install it;
 The unrest objects can't be regarded the installation basis-face;
 Front of the detection window hasn'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.



Problem and solutions:

The load don't work:

- a) Check the power and the load;
- b) If the load is good;
- c) If the indicator lamp speed quicken after sensing;
- d) 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't 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.