

DPS03A Infrared Sensor

Instruction

General:

General The product is an energy-saving automatic switch, it adopts integrated circuit and infrared energy detector. It can control the load to be on when one comes and to off after leaves. Its performance is stable. It can identify day and night automatically. The load will turn on when one enters detection field and trigger it, and off automatically after leaves detection field.

Function:

- Can identify day and night automatically, the ambient-light can be adjusted, so it works at night automatically and stops in the daytime.
- Detection distance can be adjusted according to the local place.
- Time-delay can be adjusted;
- It mainly is used fitting with halogen lamp, but it also can be used alone.

Specification:

Detection range: 120°

Detection distance: 12m (22°C)

Power source: 110V/AC ~130V/AC

180 V/AC ~240V/AC

Rated load: 800W.max (110 ~130V/AC)

1200W.max (180 ~240V/AC)

Working temperature: -10°C~+40°C

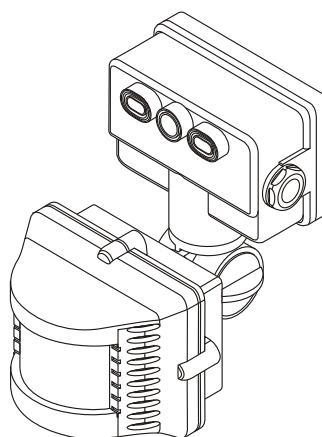
Working humidity: <93%RH

Time-delay: min 5sec

Max 8min ±2min

Ambient-light: <10Lux~2000Lux

Installation height: 2m~4.5m



Installation:

Connection-wire figure

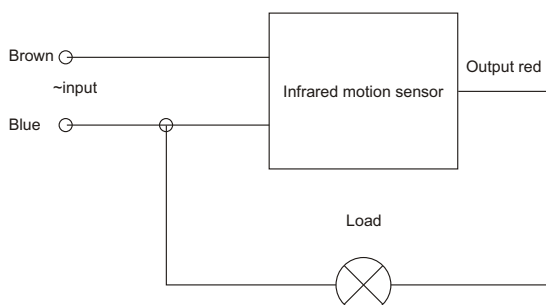
N - blue

L - brown

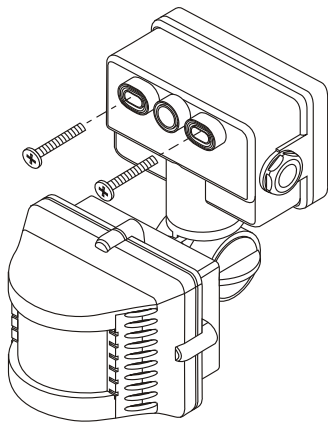
Red (be from infrared sensor)

Connect blue and brown with power

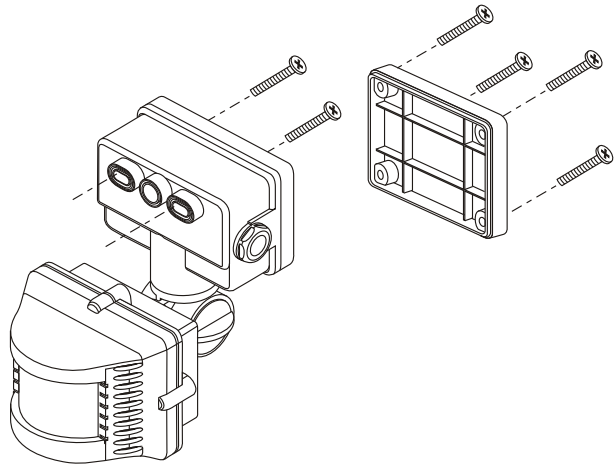
Connect blue and red with load



1. Please tighten off the screw on the rear lid of connection-line box, take off the rear lid.
2. According to the connection-line figure and the sign on the box connect the load and power with the sensor.
3. Fix the sensor on the selected position like the diagram.
4. Cover the rear lid and tighten the screw, then you can electrify it and test it.



Using alone



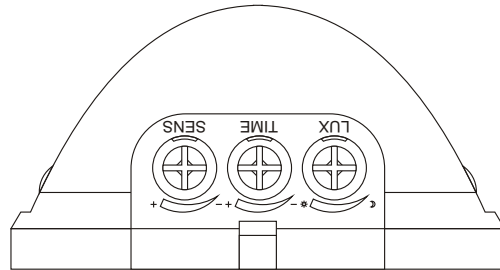
Fitting with halogen lamp

Test

Before you switch on the power turn the time knob (TIME) to the minimum (-) and turn the light-control knob (LUX) to the max (sun), the sensitivity knob to the maximum value (+).

Switch on the power; 5sec later after the load turns off, sense it, the load should turn on, under the condition of no sense signal, the load should turn off within 5sec~10sec.

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, with sensitivity adjustment knob the detection distance can be adjusted.



Note

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