

PD-PIR116A

PD-PIR116B

PRODUCT INFORMATION

The product is a new energy-saving sensor, it adopts integrated circuit and the good sensitivity detector. It incorporates automatism, convenience, energy-saving, safety and practicality. It works by receiving human motion infrared rays. It can start the controlled load at once when one enters detection field. It can identify day and night automatically. Its installation is very convenient and using range is wide.

SPECIFICATIONS

Power source: 100-130V/AC
 220-240V/AC

Power frequency: 50/60Hz

Light-control: <30LUX (adjustable)

Time setting: 5sec(TEST),30sec,
 2min±30sec, 6min±1min (adjustable)

Rated load: 800W Max.tungsten (100-130V/AC)
 1200W Max.tungsten (220-240V/AC)
 300W Max.fluorescent (220-240V/AC)

Detection range: 8m Max. (22°C)

Detection angle:
 150°(PD-PIR116A 1detector)
 250°(PD-PIR116B 2detectors)

Working temperature: -10°C~+40°C

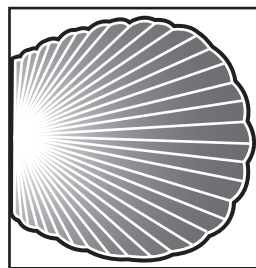
Working humidity: <93%RH

Installation height: 2m~4m

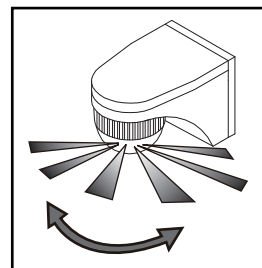
Power consumption: 0.5W (static 0.1W)

Detection speed: 0.6 ~1.5m/s

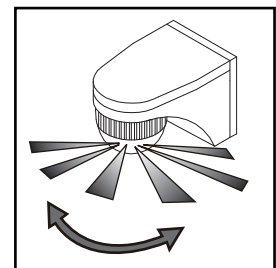
SENSOR INFORMATION



8m Max.
 Correct moving orientation



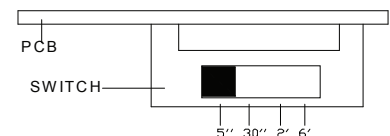
150°
 PD-PIR116A (1detector)



250°
 PD-PIR116B (2detectors)

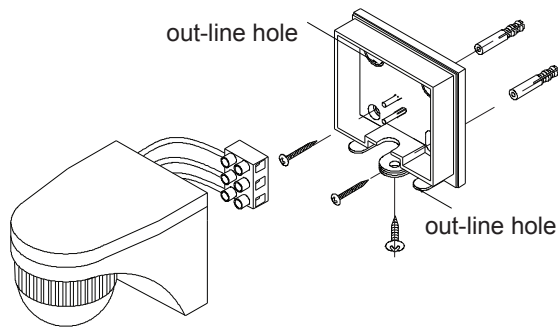
FUNCTION

- Can identify day and night automatically: It can work in the daytime and at night when you turn the switch to the 5" (TEST) position. It can work only in the light below 30LUX when you turn it to the 30", 2', 6' position.
- Time setting is adjustable: time setting can be set freely according to consumer's desire. The 5" (TEST) position is about 5sec. 30" position-----about 30sec, 2'----- 2min±30sec, 6'----6min±1min.

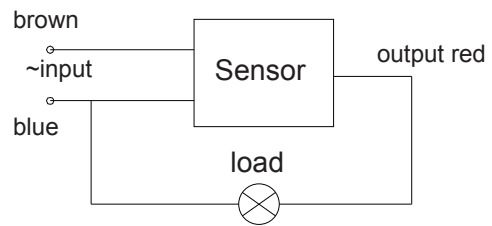


INSTALLATION

- Select suitable installing position, attention: the human body moving orientation has great relationship with the sensitivity (like right diagram);
- Shut off the power before installing.
- Tighten off the base screw.
- Install the base on the selected position with inflated screw.
- Connect the power and the load into the connection-wire column of the sensor according to connection-line diagram.
- Cover the body and tighten up the base screw.



Installing diagram



Connection-line diagram

TEST

- Turn the switch to the 5" (TEST) position,
- Turn on the power, after 60sec the product enter stable working state;
- 5~10sec later after the load should stop working, make it sense, the load should work. Under no continual sensing signal condition, the load should stop working within about 5sec.
- Turn the switch to the 30" position. Sense it, the load shouldn't work in the ambient-light more than 30lux. If you cover the detection window entirely with the opaque objects (towel etc, simulating night light), sense it, the load should work. Under the no sensing signals condition, the load should stop working within about 30sec.

NOTES

- Electrician or experienced human can install it;
- The unrest objects can't be regarded the installation basis-face;
- In front of the detection window there aren'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.

SOME PROBLEM AND SOLVED WAY

- 1、 **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 light-control.
- 2、 **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.

3、 The sensor can not shut off the load automatically:

- a: Please check if there is continual signal in the detection field;
- b: Please check if the time setting is the longest;
- c: Please check if the power correspond to the instruction;
- d: Please check if the temperature near the sensor change obviously, such as air condition or central heating etc.

**Warning!**

- Please confirm with professional installation.
- Please cut off power supply before installation and removal operations.
- Make sure that you have cut off the power for safety purposes.
- Improper operation caused losses, the manufacturer does not undertake any responsibility.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

This instruction, without our permission, should not be copied for any other purposes.

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