

ESYPRO+

INTELLIGENT

SENSOR & DIMMING

ESYPRD020PD



Instruction

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely.

SPECIFICATION:

Power Source: 220-240V/AC

Power Frequency: 50Hz

Daylight sensor: <3-2000LUX (adjustable)

Hold Time: Min.10sec±3sec

Max.30min±2min

Rated Load: Max.2000W

1000W

Power Consumption: approx 0.5W

Detection angle: 360°

Detection Range: 50%, 75%, 100% (choice)

Detection Distance: 20m max(<24°C)

Working Temperature: -20~+40°C

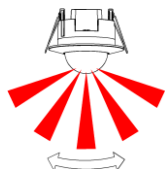
Working Humidity: <93%RH

Installation Height: 2.2-6m

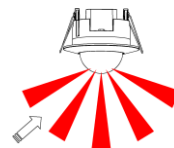
Detection Moving Speed: 0.6-1.5m/s

FUNCTION:

- Can identify day and night: The consumer can adjust working state in different ambient light. It can work in the daytime and at night when it is adjusted on the "2000LUX". It can work in the ambient light less than 3LUX, when it is adjusted on the "3LUX".
- Detection range adjustable: It offers 3 levels (50%, 75%,100%).The max can be 20m.
- Time-Delay is added continually: When it receives the second induction signals within the first induction, it will restart to time from the moment.



Good sensitivity



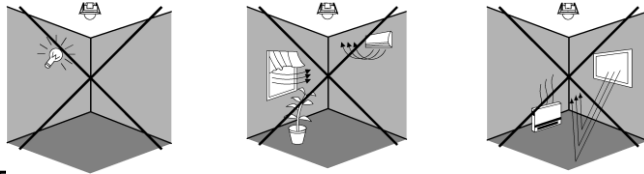
Poor sensitivity



INSTALLATION ADVICE:

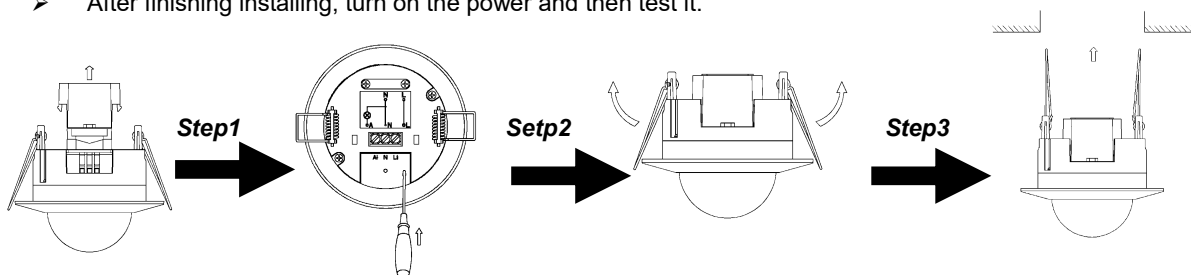
As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.
- Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.

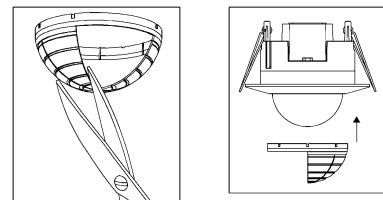


CONNECTION:

- Unload the transparent vinyl cover which is at the bottom of the sensor.
- Loose the screws in the connection terminal, and then connect the power to connection terminal of sensor according to connection-wire diagram.
- Install back the transparent vinyl cover into the original location.
- Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole or installation box which is on the ceiling and has the similar size with the sensor. Releasing the spring, the sensor will be set in this installation position.
- After finishing installing, turn on the power and then test it.

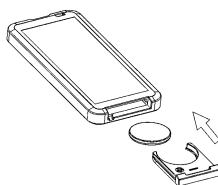


Note: you can cut the plastic cover whatever shape you want and make different detection range. (refer to right figure)

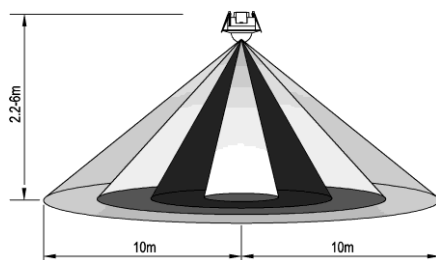


Battery replacement

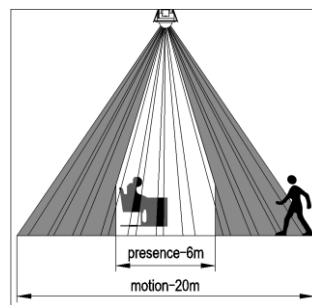
- Pull out the battery holder
- Put in a new battery (3V)



SENSOR INFORMATION:



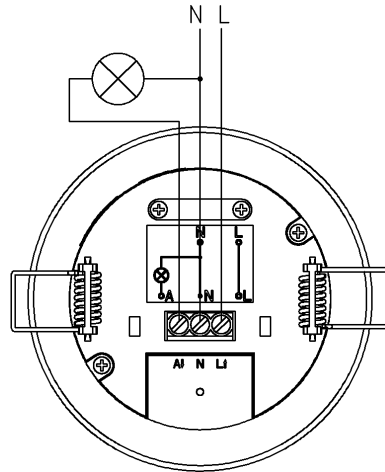
Height of installation: 2.2-6m



Detection Distance: Max.20m

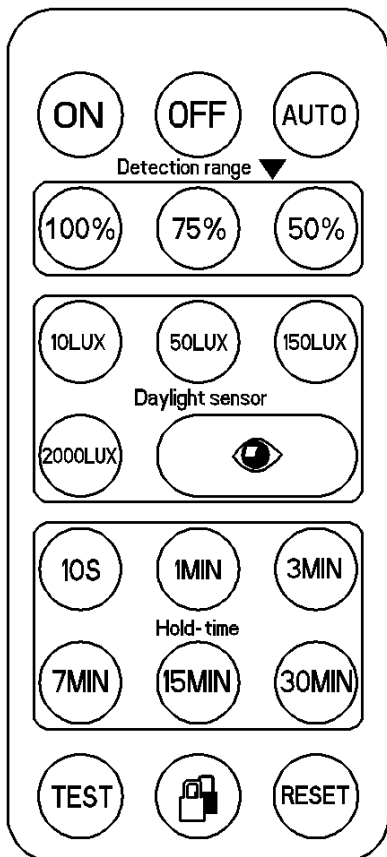


CONNECTION-WIRE DIAGRAM (See the right figure)



It requires a remote control for setting all parameters! About the details kindly see in “IR REMOTE CONTROLLER”.

IR REMOTE CONTROLLER:



- **ON** Load switching ON
After 8hours, return to AUTO mode
- **OFF** Load switching OFF
After 8hours, return to AUTO mode
- **AUTO** Set load work depending on motion
- **RESET** Sensor works according to knob setting
- Automatically read-in the actual ambient light level and the sensor works according to this LUX value stored, range 3-2000LUX
- Lock & unlock remote controller buttons
- **TEST** Test mode
- Adjust detection range
- Adjust LUX value from 10-2000LUX



SOME PROBLEM AND SOLVED WAY:

- 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 sets correspond to ambient light.
- The sensitivity is poor:
 - a. Please check if there has any hindrance in front of the detection window to affect 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 is continual signal in the detection field.
 - b. Please check if the time delay is the longest.
 - c. Please check if the power corresponds to the instruction.

