# OPTONICA LED

7317

www.OPTONICALED.com

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Thank you for purchasing 7317 infrared motion sensor!

The product comprises of sensitivity detector and an integrated circuit. It combines automation, convenience and energy efficiency. It utilizes the infrared energy emitted by human body as control-signal source, it initiates the load at once when one enters detection field. It identifies day and night automatically. It is easy to install and has a wide use application.
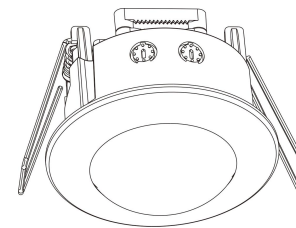
SPECIFICATION:

|	
Power Sourcing: 220V/AC-240V/AC	Detection Range: 360°
Power Frequency: 50-60Hz	Working Temperature: -20~+40℃
Ambient Light: 10-2000LUX (Adjustable)	Working Humidity: <93%RH
Time-Delay: min.10sec±3sec	Installing Height: 2.2m~4m
Max.7min±2min	Power Consumption: <0.9W (work)
Rated Load: 1200W (incandescent lamp)	<0.9W (static)
300W (energy-saving lamp)	Detection Motion Speed: 0.6~1.5m/s
Detection Distance: 6m max (<24℃)	

FUNCTION:

➢ Identifies day and night automatically. Can adjust ambient light according to your preferences: when turn to SUN (max), it will work in the daytime and at night. When turn to MOON (min), it will only work under less than 10LUX conditions. As for Adjustment, please refer to testing instructions.

➢ Time-delay is added continually: when it receives the second induction signal after the first inductor, it will compute time once more on the rest of the first time-delay basic (Set time) .

➢ Time-delay adjustment: can be set according to your preferences. The minimum is 10±3 sec; the maximum is 7±2min.

INSTALLATION: (as per following schematics.):

➢ Turn off the power.

➢ Remove the transparent vinyl cover in the bottom of the sensor.

➢ Loosen the screws in the connection terminal, connect the power and rated load to connection terminal of sensor according to connection sketch figure.

➢ Tighten the screws; put the transparent vinyl cover back into the original place.

- Fold the metal spring of the sensor to upwards, until they are in "I" position with sensor, then put the sensor into the hole or installation box which is in the ceiling, the size is similar with item. Releasing the spring, the sensor will be set in this installation position.
- After finishing installing, the sensor could be connected the power and is ready for test.

STEP 1

STEP 2

STEP 3
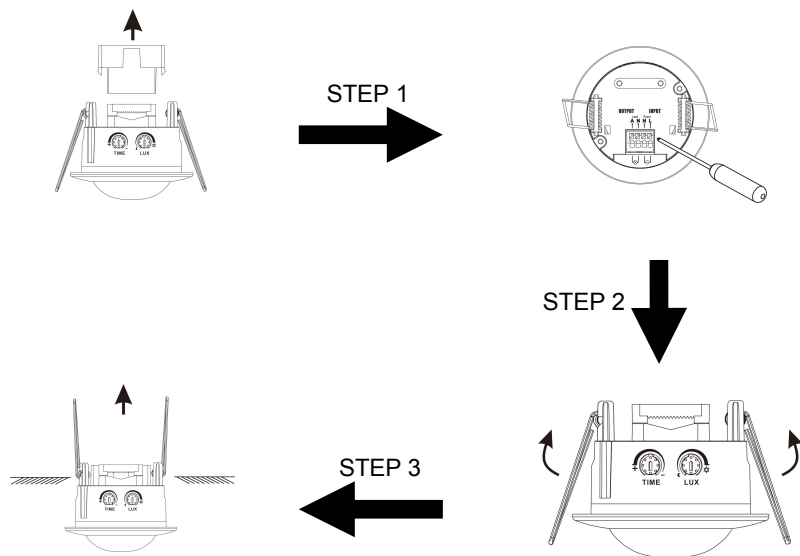
CONNECTION SKETCH FIGURE:
(As per right drawing)

OUTPUT   INPUT
Load   Power
A   N   N   L
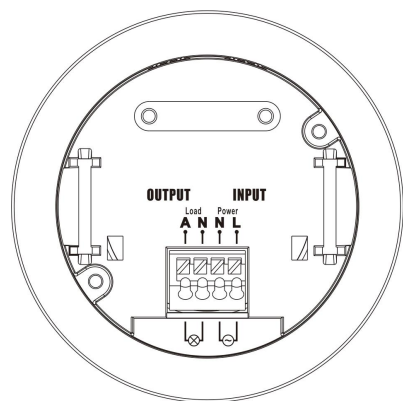
TEST:

- Turn the TIME knob anti-clockwise on the minimum, turn the LUX knob clockwise on the maximum (sun).
- Turn on the power, let the sensor to warm-up for 30 sec, the item will be entered into working estate.
- 5~10 seconds after the light goes down for the first time and then sensor is activated, the load should

TIME   LUX
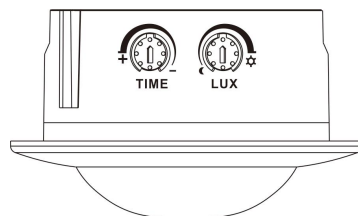
operate.

- Turn LUX knob anti-clockwise on the minimum (moon). The inductor load should not work after load stop working. If you cover the detection window with an opaque objects (towel etc), the load work under no induction signal condition, the load should stop working within 5-15sec.

Note: when testing in daylight, please turn LUX knob to ☼ (SUN) position, otherwise the sensor lamp could not work!

NOTE:

- Should be installed by electrician or experienced man.
- Avoid installing it on unstable surface.
- There shouldn't be any object to obstruct and/or moving body in front of the detection screen effecting detection.
- Avoid installing it near air temperature alteration zones such as air conditioner, central heating, etc.
- Considering your safety, please don't open the cover after the power is on.

TROUBLESHOOTING:

- The load don't work:

    a. Please check the power and load connections are correct.

    b. Check if the load is functioning.

    c. Check if the working light corresponds to the ambient light.

- The sensitivity is poor:

    a. Please check if there is an object in front of the detection window effecting reception of the signals.

    b. Please check if the ambient temperature is too high.

    c. Please check if the signals source is in the detection fields.

    d. Please check if the installation height corresponds to the height showed in the instruction.

- The sensor can't shut the load automatically:

    a. Check if there are continual signals in the detection fields.

    b. Check if the time delay is set to the longest.

    c. Check if the power corresponds to the instruction.

    d. Check if the temperature change obviously nears the sensor, such as air condition or central heating etc.