

OR-CR-255

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**(ENG) Manual
Presence sensor**

(ENG) IMPORTANT!

Before using the device, read this Service Manual and keep it for future use. Any repair or modification carried out by yourselves results in loss of guarantee. The manufacturer is not responsible for any damage that can result from improper device installation or operation.

While installing the device, remember that the sensor is activated by the detected motion or heat. To avoid false alarms, place the sensor in location not exposed to direct sunlight and far from heat sources such as radiators, heaters, light bulbs, etc.

In view of the fact that the technical data are subject to continuous modifications, the manufacturer reserves a right to make changes to the product characteristics and to introduce different constructional solutions without deterioration of the product parameters or functional quality.

The latest version of the Manual can be downloaded from www.orno.pl. Any translation/interpretation rights and copyright are reserved in relation to this Manual.

1. Do not use the device against its intended use.
2. Disconnect the power supply before any activities on the product.
3. Do not dip the device in water or another fluids.
4. Do not operate the device when its housing is damaged.
5. Do not open the device and do not repair it by yourselves.



Each household is a user of electrical and electronic equipment, and hence a potential producer of hazardous waste for humans and the environment, due to the presence of hazardous substances, mixtures and components in the equipment. On the other hand, used equipment is valuable material from which we can recover raw materials such as copper, tin, glass, iron and others. The weee sign placed on the equipment, packaging or documents attached to it indicates the need for selective collection of waste electrical and electronic equipment. Products so marked, under penalty of fine, cannot be thrown into ordinary garbage along with other waste. The marking means at the same time that the equipment was placed on the market after August 13, 2005. It is the responsibility of the user to hand the used equipment to a designated collection point for proper processing. Used equipment can also be handed over to the seller, if one buys a new product in an amount not greater than the new purchased equipment of the same type. Information on the available collection system of waste electrical equipment can be found in the information desk of the store and in the municipal office or district office. Proper handling of used equipment prevents negative consequences for the environment and human health!

08/2018

TECHNICAL SPECIFICATION	DESCRIPTION
Power source: 230V~, 50 Hz Rated Load: Max: 2000W Detection Range: 360° Adjustable daylight sensor: <3 – 2000 lux Adjustable hold time: min: 10 sek. ± 3 sek. max: 30min. ± 2 min. Detection range: max. Ø20m. Power Consumption: 0.45W (praca); 0.1W (czuwanie) Detection Motion Speed: 0,6~1,5 m/s Temperature: -20°C~+40°C Installation Height: 2 – 2,6 m Protection level: IP65 Dimmension: 102,5 x 102,5 x 58,3 mm Net weight: 0,14 kg	The product is a new saving-energy switch; it adopts good sensitivity detector, integrated circuit. It gathers automatism, convenience, safety, saving-energy and practicality functions. The wide detection field is consisting of detectors. It works by receiving human motion infrared rays. When one enters the detection field, it can start the load at once and identify automatically day and night; its installation is very convenient and its using is very wide

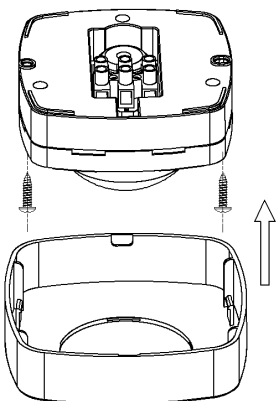
FUNCTION

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 "sun" position (max). It can work in the ambient light less than 3LUX, when it is adjusted on the "moon" position (min). As for the adjustment pattern, please refer to the testing pattern.

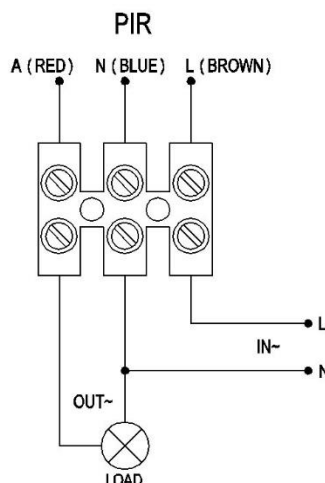
Time-Delay is added continually: When it receives the second induction signals within the first induction period, it will compute time once more on the basic of the first time-delay rest (Set time).

Time-Delay is adjustable. It can be set according to the consumer's desire. The minimum time is 10sec±3sec. The maximum is 30min±2min.

INSTALLATION/ CONNECTION-WIRE DIAGRAM



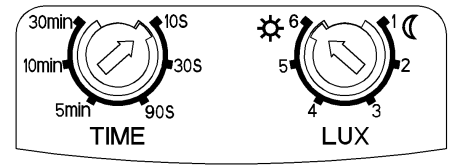
rys. 1a Instalation



rys. 1b Connection diagram

TEST

- Turn the TIME knob anti-clockwise on the minimum, turn the LUX knob clockwise on the maximum (sun).
- Switch on the power; the controlled load does not working. After Warm-up 30sec, the indicator lamp turns on. Under the conditions of no sense signal, within $10\text{sec} \pm 3\text{sec}$ the load should stop working and the indicator lamp turns off.
- After the first induction is out, make it sense again after 5~10sec. The load should work and then stop working within $10\text{sec} \pm 3\text{sec}$ when not any sense signal.
- Turn LUX knob anti-clockwise on the minimum. If the ambient light is more than 3LUX, the inductor load should not work after the load stop working. If you cover the detection window with the opaque objects (towel etc), the load would work .Under no induction signal condition, the load should stop working within $10\text{sec} \pm 3\text{sec}$.



rys. 2

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

NOTES

- Should be installed by electrician or experienced person.
- There should be no hindrance and moving objects in front of the detection windows to affect detection.
- Avoid installing it near air temperature alteration zones such as air condition, central heating, etc.
- Considering your safety, please do not open the cover when you find the hitch after installation.
- If there is any difference between instruction and the function of the product has, please give priority to product and sorry not to inform you additionally.

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.
 - d. Please check if the temperature near the sensor changes obviously, such as air condition or central heating etc.