Ultrasonic motion and presence sensor, 360st. IP20, 2000W, ultra flat 2.5cm

Marka: **Orno** | Symbol: **OR-CR-275/W** | Ean: **5908254846687**

5 YEARS WARRANTY

PRODUCT DESCRIPTION

The ultra flat presence sensor is an advanced device perfect for monitoring presence in rooms. The device works on the basis of ultrasonic technology, which ensures precise detection of movement and presence.

The presence sensor detects very slight movements, such as the movement of a hand, the turning of the head and even the breathing of a seating person. This allows to monitor whether someone is in the room, even if they do not move significantly. Being mounted on the ceiling, it offers a full 360° scanning angle, ensuring

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effective coverage of the entire monitored area.

The device is suitable for surface-mounting on ceilings, with an optimum installation height of 2-4 m. The diameter of presence detection on floor is 6 m, and the diameter of motion detection reaches up to 9 m.

The sensor operates at 24 GHz and detects movement at speeds of 0.6 to 1.5 m/s. Additionally, the user may adjust the sensitivity and intensity of the light in a range within <3-2000 lux, which allows to precisely adapt the sensor's operation to the ambient conditions.

The device allows to connect classic light sources with a power of 2000W, and LED lights with a total power of 500W. The presence sensor is equipped with a relay output, which increases its functionality and flexibility in application.

Installation of the sensor is extremely easy thanks to the screw clamp, and the high-quality polycarbonate ensures durability and resistance to mechanical damage. The IP20 rate allows to install the sensor in dry rooms not exposed to moisture

It operates at a nominal voltage of 230V AC and a frequency of 50Hz, and its switch-on time is adjustable within 10s-12min. The sensor is energy efficient, with an energy consumption of only 0.5W, and operates over a wide temperature range from -20°C to +50°C.

Thanks to the compact dimensions (⌀115 mm) and an ultra-flat depth of 22 mm, the sensor is easy to install, and it aesthetically blends with the surroundings. The white housing makes it elegant and discreet in any room.

TECHNICAL DATA

General information:

Model:	Czujnik obecności
Sensor type:	Ultradźwięki
Scan angle [°]:	360
Optimum mounting height [m]:	2-4
Presence diameter [m]:	6
Max. reach frontally [m]:	3
Diameter reach on floor [m]:	6
Working frequency:	24
Response value luminosity adjustable:	Tak

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Light intensity adjustment range [lx]:	<3-2000
Mounting method:	Montaż natynkowy
Suitable for ceiling mounting:	Tak
Suitable for wall mounting:	Nie
Connection type:	Zacisk śrubowy
Material:	Tworzywo sztuczne
Material quality:	Tworzywo termoplastyczne
Colour:	Biały
Degree of protection:	IP20
Voltage type:	AC
Frequency [Hz]:	50
Nominal voltage [V]:	230
Min. switch-on time [s]:	10
Max. duty cycle [min]:	12
Detection angle horizontal [°]:	360
Max. switching power [W]:	2000
Max. switching power LED [W]:	500
Power consumption [W]:	0,5
Relay output:	Tak
Temperature [°C]:	-20 - +50
Working humidity:	<93%
Real presence sensor:	Tak
Depth [mm]:	22
Diameter [mm]:	115
Weight [g]:	104

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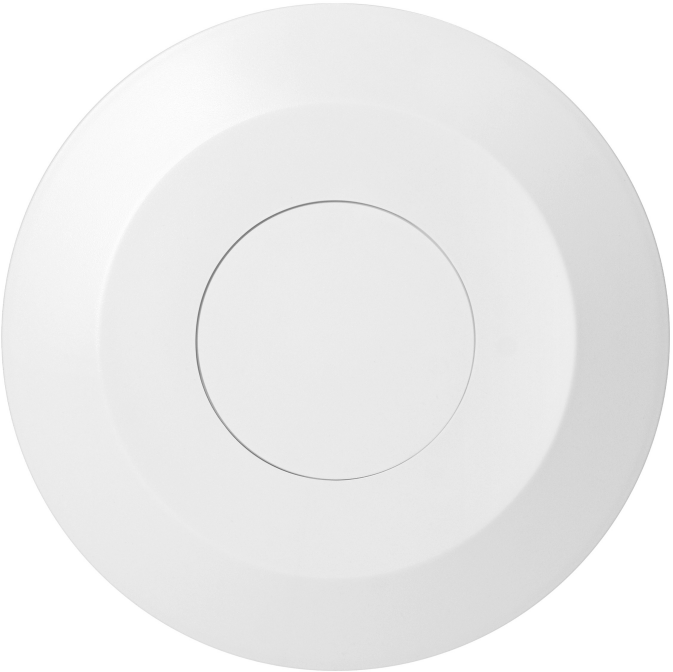

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