MINI ceiling mounted PIR motion and presence sensor, 360°, IP20, 800W

Marka: **Orno** | Symbol: **OR-CR-283** | Ean: **5908254847493**

PRODUCT DESCRIPTION

The microwave 360° presence sensor for suspended ceilings is an advanced device perfect for monitoring presence in rooms. The device uses passive infrared (PIR) technology responding to movement in its field of view.

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 effective coverage of the entire monitored area.

The device is suitable for flush-mounting in ceilings with an optimum installation height of 2.2-4 m. The diameter of presence detection on floor is 3 m, and the diameter of motion detection reaches up to 6 m.

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

The device allows to connect classic light sources with a power of 800W, and LED lights with a total power of 200W. 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. Its switching time is adjustable within 10s-15min. The sensor is energy efficient, with an energy consumption of only 0.5W. It operates within a wide temperature range from -20°C to +40°C.

Thanks to the compact dimensions (⌀ 50; installation depth 67 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 ruchu
Sensor type:	Podczerwień pasywna
Scan angle [°]:	360°
Optimum mounting height [m]:	2,2 - 4
Max. reach sideways [m]:	3
Max. reach frontally [m]:	3
Diameter reach on floor [m]:	6
Detection moving speed [m/s]:	0,6 - 1,5
Response value luminosity adjustable:	Tak

Light intensity adjustment range [lux]:	<3-2000
Mounting method:	Montaż podtynkowy
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 (IP):	IP20
Voltage type:	AC
Frequency [Hz]:	50
Nominal voltage [V]:	230
Min. switch-on time [s]:	10
Max. duty cycle [min]:	15
Detection angle horizontal [°]:	360°
Max. switching power [W]:	800
Max. switching power LED [W]:	200
Power consumption [W]:	0.5
Relay output:	Tak
Temperature [°C]:	–20 – +40
Working humidity:	<93%
Depth [mm]:	67
Diameter [mm]:	50
Weight [g]:	60
Built-in depth [mm]:	51
Built-in diameter [mm]:	41