

Microwave motion sensor, mini, 360°/180°, IP20, 1200W

Marka: Orno | Symbol: OR-CR-281 | Ean: 5908254847479

ORNO


PRODUCT DESCRIPTION

The mini microwave motion sensor is an advanced device combining functionality and versatility. This model, equipped with a high-frequency sensor, features a wide 360° scanning angle and a horizontal 180° detection angle, fully covering the monitored area.

The device operates at 5.8 GHz and detects movement at speeds between 0.6 and 1.5 m/s. The sensor is equipped with sensitivity and light intensity adjustment <3-2000 lux, in order to adapt the sensor's operation

to the prevailing lighting conditions. The sensitivity adjustment allows to change the motion detection distance for the sensor to respond. The device also allows to adjust the switching time in the range between 10s-12min.

The maximum switching power is 1200W allowing to connect various lighting devices or LEDs with a total power of up to 300W. The sensor operates at a nominal voltage of 230V AC and a frequency of 50Hz. Its low energy consumption of just 0.9W makes it an energy-efficient solution. The sensor operates in a wide temperature range from -20°C to +50°C.

The high-quality polycarbonate housing ensures durability and resistance to mechanical damage. Intended for indoor use (IP20).

The sensor is designed for installation in lighting fixtures, plastic housings, above suspended ceilings, behind lightweight partition walls. Its dimensions measure 55x40x37 mm. The optimum installation height is between 1.5 and 2.5 m, and the detection range measures 1-8 m straight ahead. The sensor's white housing perfectly blends with almost any environment.

TECHNICAL DATA

General information:

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| Model: | Czujnik ruchu |
| Sensor type: | Ultradźwięki |
| Scan angle [°]: | 360° |
| Optimum mounting height [m]: | 1,5-3,5 |
| Max. reach sideways [m]: | 8 |
| Max. reach frontally [m]: | 8 |
| Diameter reach on floor [m]: | 16 |
| Working frequency: | 5.8 |
| Detection moving speed [m/s]: | 0,6 - 1,5 |
| Response value luminosity adjustable: | Tak |
| Light intensity adjustment range [lux]: | <3-2000 |
| Mounting method: | Montaż natynkowy |
| Suitable for ceiling mounting: | Tak |
| Suitable for wall mounting: | Tak |

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|---------------------------------|--------------------------|
| 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]: | 12 |
| Detection angle horizontal [°]: | 360° |
| Max. switching power [W]: | 1200 |
| Max. switching power LED [W]: | 300 |
| Power consumption [W]: | 0.9 |
| Relay output: | Tak |
| Temperature [°C]: | -20 – +50 |
| Working humidity: | <93% |
| Width [mm]: | 55 |
| Height [mm]: | 40 |
| Depth [mm]: | 37 |
| Weight [g]: | 60 |