

MRW100-F1

Outdoor Microwave Motion Sensors, 100 m (10.6 GHz)



The MRW series microwave barriers are X-band microwave outdoors motion sensors used in high risk applications where the presence of the intruder needs to be reported. Microwave technology products have maximum reliability. Changes in weather conditions do not impact on the working principle of this technology. MRW series is available in three ranges: the 50 m, which mainly is used for perimeter protection of relatively small sites, and the 100 and 200 m for larger sites. For applications longer than 200 m, the sensors can be installed in line with each other. The MRW series are delivered with the clamps and flexible cable conduits required. The sensors are designed to be mounted on a post with a diameter of 60 mm.

Aesthetic

Both the product's functional performance and appearance were important criteria during the product development. With its modern parabolic shape and the fixation screws placed on the back the product provides an aesthetic finishing touch to your perimeter protection.

Easy alignment

Thanks to the optional alignment tools the sensors can be set, aligned and walk tested easily and quickly. There are several sensor settings: field strength, AGC and sensitivity as well the correct power supply. They can be checked using the alignment tool to ensure optimal installation results. At the end of installation this tool can be used to walk test the units. The on-board buzzer helps the installer carry out this test alone.

Power supply

With the optional transformer and IP66 enclosure you can use 230 VAC. This allows a greater distance to be used between the beams and the control panel. The MRW can even be powered with 24 VDC, if available. With the optional back-up battery, the sensors guarantee maximum security in case of power failure.

Details

- Range : 50, 100 & 200 m
- 10.6 GHz microwave frequency
- Easy to align with optional alignment tool
- Delivered with post-clamps and cable-conduit
- 4 modulation channels
- Battery back up
- Aesthetic

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Technical Specifications

General

| | |
|--------------|---------------------|
| Category | Microwave detection |
| Product type | Microwave detector |
| Frequency | 10.6 GHz |
| Integration | Continuous control |

Detection

| | |
|-------------|----------------------|
| Range | 100 m |
| Sensitivity | Continuous control |
| Channels | 4 modulation channel |

Inputs/outputs

| | |
|----------------------|-----|
| No. of alarm outputs | 2 |
| Alarm output | Yes |
| Supervision output | Yes |

Electrical

| | |
|--------------------|------------------|
| Power supply value | 19 VAC or 24 VDC |
|--------------------|------------------|

Physical

| | |
|------------|------|
| Net weight | 4 kg |
|------------|------|

Environmental

| | |
|-----------------------|--------------|
| Operating temperature | -25 to +55°C |
|-----------------------|--------------|