

Triplex MW Motion Detector

Art.-Nr. BW8040

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The Triplex MW motion detector is a motion sensor with two PIR sensors and one microwave element. An alarm is not triggered until all sensors detect movement. The combination of microwave (MW) and two passive infrared (PIR) sensors ensures almost 100-percent protection against false alarms. The reason: An alarm is not triggered until all sensors - which use two technically different detection methods - register movement. Whereas the PIR sensors react to moving heat, the microwave sensor actively monitors its surroundings for movement. The transmission frequency is 9.35 GHz. The best place to install the sensor is in a corner, between 2 and 3 metres above the floor. The intruder's possible direction of movement should be at right-angles to the sensor. The viewing angle of the Triplex MW motion detector sensor is 90°, and the detection range - depending on installation height - up to 15m x 15m. You can vary its sensitivity by means of a jumper. This way you can define the number of pulses that have to be detected before the sensor opens the alarm relay. The Triplex MW motion detector sensor has an alarm memory. If the alarm center is disarmed following an alarm, the LED on the sensor that triggered the alarm lights up. Depending on the configuration, you can also see which sensor first triggered the alarm.

Technologies

- Passive infrared motion detector with microwave element for indoor areas
- Two logical AND-gated PIR sensors and a microwave element

Technical data - Triplex MW Motion Detector

| | |
|----------------------------|----------------------|
| Adjustable sensitivity | Yes |
| Alarm memory | Yes |
| Anti-creep protection | Yes |
| Connections | NC, 100 mA, 24 V DC |
| DC voltage supply | 9-16 V |
| Detector coverage area (m) | 15 m |
| Dimensions | (WxHxD) 60x107x48 mm |

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Technical data - Triplex MW Motion Detector

| | |
|----------------------------|---------------------------------|
| Display | Yes |
| Height | 107 mm |
| Housing material | ABS |
| Installation location | Wall |
| Installation type | Surface mounting |
| Length | 48 mm |
| Max. operating temperature | 55 °C |
| Net weight | 0,11 kg |
| Power consumption | 13 mA |
| Pulse selector switch | Yes |
| Radio frequency | 9.350 MHz |
| Radio power | 20 mW |
| Sabotage monitoring | 1 |
| Sensor type | 2 x dual PIR, microwave element |
| Status display | Yes |
| Type of detection | Heat detection, Doppler effect |
| White-light filter | Yes |
| Width | 60 mm |