

# 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