

Motion detector PIR MW (PET)

Art.-Nr. AZBW10120

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PLAY IT SAFE: CLEARLY DETECT UNAUTHORIZED PERSONS

Close monitoring: 2 sensors, twice as safe

The "EN Grade 2" certified wire motion detector combines the advantages of two sensors and provides high security against false alarms: An alarm is only if both sensors with separate detection methods, passive infrared (PIR) and microwaves (MW), detect a movement. For example, the PIR sensor reacts to moving body heat, while the MW sensor actively monitors the surroundings (cf. radar).

PET immunity: For your beloved pet

Optional "pet-immune" function, adjustable to 3 levels, distinguishes between humans and animals. Moving persons are reliably detected while pets weighing up to 15 kg are ignored. In rare individual cases, however, a lighter animal may set off the detector, e.g., if it runs, jumps, or flies close to the detector.

Technology and installation

Optimal mounting location is in a corner, about 1.80 to 2.40 m above the floor. The expected direction of travel of an intruder should be across the detector. The viewing angle is approx. 90 degrees, the detection range (depending on the mounting height) up to 12 x 12 m. The spherical lens design ensures extremely reliable detection thanks to uniform room coverage. Thanks to integrated anti-creep protection, the detector has no blind spots and also detects people directly underneath it.

Individual range settings

The microwave range is variably adjustable to cover exactly the desired area.

Technologies

- Passive infrared motion detector (PIR) with microwave element (MW) for indoor use

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- Dual detector: PIR sensor and MW sensor combined in one detector
- Preventive protection against false alarms thanks to twofold detection
- Pet-immune optional: Ignores animals up to approx. 15 kg
- Monitors entire rooms (detection area approx. 12 x 12 m)
- High security: No blind spots thanks to anti-creep protection
- EN Grade 2 Certification

Technical data - Motion detector PIR MW (PET)

Adjustable sensitivity	Yes
Alarm memory	Yes
Anti-creep protection	Yes
Area of application	Indoors
Certifications	EN 50131 Grade 2, VSÖ GS-N
Compatible with	Secoris, Secvest, Terxon
DC voltage supply	9-16 V
Depth	46 mm
Detection speed	0,3 - 2 m/s
Detector coverage area (m)	12 m
Dimensions	(WxHxD) 66x104x46 mm
Display	Yes
EN	Grade 2
Height	103,8 mm
Housing material	Plastic
Installation location	Wall
Installation type	Surface mounting
Length	45,5 mm
Max. humidity	90 %
Max. operating temperature	40 °C
Min. humidity	10 %
Min. operating temperature	-10 °C
Net weight	0,099 kg
PIR viewing angle	85,9 °
PSTI conformity required	No
Pet-proof	Yes, < 10 kg
Power consumption	17 mA
Radio frequency	24.200 MHz
Sabotage monitoring	Yes
Sensor type	PIR, microwave
Status display	Yes

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Type of detection	Heat detection, Microwave
Width	65,7 mm