

Motion detector PIR MW Xtra-Flex EN3

Art.-Nr. AZBW10220

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DOUBLE VIGILANCE: EXTREMELY SENSITIVE & RELIABLE.

Precise detection & top false alarm protection

EN Grade 3 certified, the wired dual motion detector has two independent detection methods. The passive infrared sensor with sensitive pro Fresnel lens captures a detailed thermal image for uniform coverage of the detection field. It detects human body heat very precisely and distinguishes it from pets. The innovative lens (flexible zone blanking) ensures a stable IR range (15 m/24 m) with all setting variants (vs. mirror detectors).

2 detection methods

It only reports an incident to the IAS/control panel if the MW sensor system also detects a person with active scanning (Doppler effect/radar), thus providing the best protection against false alarms.

Volume and line detector

Lens can be configured as a volume (85° detection field at 15 m) or line detector (5° at 24 m).

Tampering is futile

Thanks to creep-zone protection, the detector detects people directly under itself (no blind spots). Integrated cover protection triggers alarm immediately if the detector's view is covered (when system is disarmed).

Easy fine adjustment, flexible mounting

Easily adjust sensitivity via DIP switches: thermal image zones and pulses that must be detected before alarm relay opens (PIR/MW sensor are independent). Fast wiring with common resistors. Coloured status LED signals detector status. Can be mounted on corner, wall or ceiling (incl. cover/tear-off contact).

Technologies

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- Dual motion detector with passive infrared sensor (PIR) and active microwave detection (MW) for indoor use
- High-precision detection of humans: integrated professional Fresnel lens captures the IR thermal image (80 zones), combined with active microwave scanning (Radarecho), distinguishes between humans and pets (pet-immune)
- Double the protection: Top detection performance and false alarm security, as detector only triggers when both detection methods detect a person, sensitivity individually adjustable for each room environment
- Flexible 2-in-1 solution: thanks to spiral lens, can be used as a volume detector and line detector (without accessories, such as long-range lens)
- Detection range (PIR) adjustable as needed: wide detection (volume detector: 85° viewing angle, 15 m range) for room coverage; narrow detection (line detector: 5°, 24 m) for window front, shelf aisle etc.
- High, stabilised IR range of thermal image detection for each setting option (compare with mirror detector)
- Masking protection (anti-masking) to thwart tampering attempts, adjustable sensitivity: if the detector is masked or covered, e.g. when the alarm system is disarmed, a tamper alarm is triggered
- Creep-zone protection for uninterrupted monitoring even directly under the detector (no blind spots)
- Adjusting the detector precisely during installation is quick and easy via DIP switch
- EN 50131 Grade 3 certified

Technical data - Motion detector PIR MW Xtra-Flex EN3

Adjustable sensitivity	Yes, 4 Levels
Alarm memory	Yes
Animal immune	No
Certifications	EN 50131 Grade 3
Compatible with	Secoris, Secvest, Terxon
Cover monitoring	Yes
Creep protection	Yes
Current consumption	21 mA
Current consumption standby	16 mA
DC power supply	9,5 - 16 V
Depth	59 mm
Detection area detector (m)	15 m
Detection method	Heat detection, Microwave
Dimensions	160 x 62 x 59 mm
EN	Level 3
Environmental class	II
Gross weight	0.2 kg
Height	160 mm
Housing material	Plastic
Length	59 mm
Max. Air humidity	95 %
Max. Detection area (indoor)	15 m

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Max. Operating temperature	45 °C
Min. humidity	0
Min. operating temperature	-20 °C
Mounting location	Wall
Mounting type	Surface Mounting
Net weight	0.198 kg
PIR viewing angle	85 °
PSTI conformity needed	No
Power consumption	0.25 W
Product group	Detectors
Tamper monitoring	Yes
VdS class	without
WEEE group	09
width	62 mm