Secoris wireless motion detector PIR MW

DUAL MOTION DETECTOR: HIGH-PRECISION ROOM SURVEILLANCE

Detects the body heat field of living beings and movements in the room

The wireless motion detector detects people in the detection range based on their body heat field and on changes in movement. To do this, it uses 2 independent detection methods to precisely detect movements: passive infrared (PIR) and microwave (MW). Unauthorised entry triggers an alarm when both methods detect movement (high false alarm protection). Optional: animal-immune operation.

Secure, reliable: close-meshed surveillance

With a detection area of up to 10 x 10 m (aperture angle: approx. 85°), a single wireless motion detector can monitor large rooms almost completely. The spherical lens design (PIR) with uniform room coverage and active radar surveillance (microwave) ensures absolutely reliable detection. The under-crawl protection closes blind spots.

Secure connection, long range

The wireless detector is taught into the Secoris system via the wireless extension (BUM060030). The connection is protected against tampering by third parties by a highly encrypted wireless protocol. Encrypted with AES128 (similar to online banking) and protected against so-called replay attacks. The wireless range is over 700 m (free field).

Flexible installation

Thanks to the MW sensor, the detector can be mounted flexibly in the room. Optimal installation location: on the wall or in a corner, approx. 1.80 to 2.40 m above the floor.

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Technologies

- Dual motion detector PIR/MW for indoor use (battery-powered, wireless)
- Dual detector with passive infrared sensor (PIR) and microwave sensor (active monitoring) in one device (duplex detector)
- Monitors entire rooms, 2-fold security: detects intruders by body heat (PIR) and by microwave detection (like radar), with a detection range of approx. 10 m – for maximum false alarm protection
- Long wireless range in Secoris wireless mode, with AES128-encrypted, tamper-proof wireless connection (standard as in online banking, replay-protected)
- Modern, discreet design for unobtrusive room surveillance (finish: white)
- Optional: pet-immune monitoring (suppression of pets) configurable at the Secoris control panel
- High security: uniform room coverage, crawl-under protection and sabotage monitoring (cover and wall tear-off contact)
- Flexible mounting on the wall or in the corner (wireless)
- Battery life: up to 5 years
- High security, reliability & wireless range: EN Grade 2 certified

Technical data - Secoris wireless motion detector PIR MW

Area of application	Interior
Battery - fixed	No
Battery - max. battery life	5 y
Battery - quantity	3
Battery - type	1,5V AA
Certifications	EN 50131 Grade 2
Colour	white
Compatible with	Secvest, Secoris
DC voltage supply	4,5 V
Depth	55 mm
Detector coverage area (m)	10 m
Diameter	55 mm
Dimensions	55x115x55 (BxHxT) mm
EN	Level 2
Environmental class	II
Frequency band	24 GHz
Fuse protection type	Intrusion protection
Gross weight	0,194 kg
Height	115 mm
Housing material	ABS
Installation location	Wall
Language of instructions	DE, EN; FR; NL; DK; IT

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Language packing	DE, EN; FR; NL; DK; IT
Length	55 mm
Max. humidity	95 %
Max. operating temperature	55 °C
Max. transmission range (building)	30 m
Max. transmission range (free field)	700 m
Mechanical protection	No
Min. operating temperature	-10 °C
Modulation	FM
Net weight	0,17 kg
PIR viewing angle horizontal	85 °
Pet-proof	<25 kg
Radio frequency	868,09 MHz
Radio frequency 2	868.230 MHz
Radio frequency 3	868,37 MHz
Radio frequency 4	868,51 MHz
Radio frequency 5	868,6625 MHz
Radio power	10 mW
Sabotage monitoring	Yes
Security level	2
Sensor type	PIR, Microwave
Standby power consumption	0,02 mA
Type of detection	Heat detection, Microwave
Voltage monitoring	Yes
Width	55 mm