

Comfion wireless PIR/MW detector

Art.-Nr. FUBW80100

Seite 1 von 4



Room surveillance without blind spots

The dual wireless motion detector combines two detection methods to precisely detect movement: passive infrared (PIR) and 24 GHz microwave technology (MW). It not only detects movements in the room, but also the body heat field of living beings.

Secure and reliable: close-meshed surveillance

The wireless PIR/MW detector is certified to EN 50131 Grade 2 and therefore meets the highest security standards. With a detection range of up to 12 metres and an opening angle of 110 degrees, the detector covers large rooms almost completely. The lens design of the PIR sensor ensures uniform coverage of the room, while active microwave monitoring even avoids blind spots. An alarm is only triggered if both sensors detect movement, which maximises protection against false alarms.

Pet-immune and flexibly adjustable

Thanks to the pet-immune function, the motion detector ignores animals weighing up to 27 kg. The sensitivity of both sensors can be individually adjusted so that the detector adapts optimally to the surroundings.

Secure connection, long range

Comfion wireless PIR/MW detector

Art.-Nr. FUBW80100

Seite 2 von 4

The wireless motion detector connects securely to the Comfion alarm panel and is protected against tampering by the AES128 encryption method - comparable to the security in online banking. With a range of up to 1,000 metres (free field), the camera has a stable wireless connection from anywhere in the house - even over long distances or in buildings with radio-inhibiting materials.

Simple and flexible installation

The detector can be flexibly mounted on the wall or in a corner at a height of 2.10 to 2.30 metres and configured via the Comfion app.

Technologies

- Room surveillance without blind spots: dual detection technology (PIR & microwaves) precisely detects movements and body heat fields.
- Maximum security: certified to EN 50131 Grade 2 for the highest security standards
- Wide coverage: monitors up to 12 metres range at 110 degree angle; avoids blind spots thanks to microwave technology
- Protection against false alarms: alarm only with simultaneous detection by both sensors
- Pet-immune: ignores animals up to 27 kg, ideal for households with pets
- Flexible sensitivity: adjustable PIR and MW sensitivity (high/medium/low) for customisation to individual requirements
- Tamper-proof: AES128-encrypted communication
- Long range: wireless connection up to 1,000 metres in free field
- Simple installation: can be flexibly mounted on a wall or corner at a height of 2.10 to 2.30 metres

Technical data - Comfion wireless PIR/MW detector

Adjustable sensitivity	High / medium / Low
Animal immune	Yes
Areas of application	Interior
Battery - max. battery life	4 years(s)
Battery - quantity	3
Battery type	CR123A
Certifications	EN 50131 Grade 2; VSÖ
Colour	white

Comfion wireless PIR/MW detector

Art.-Nr. FUBW80100

Seite 3 von 4

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Compatible with	Comfion
Cover monitoring	No
Creep protection	No
DC power supply	12 V
Depth	50 mm
Detection area detector (m)	12 m
Detection area of detector (m2)	70 m ²
Detection method	Heat detection, Microwave
Dimensions	46 x 141 x 50 mm
EN	Level 2
Environmental class	II
Gross weight	0.158 kg
Height	141 mm
Housing material	Plastic
Length	50 mm
Max. Air humidity	85 %
Max. Operating temperature	55 °C
Max. Receive range (free field)	1,000 m
Max. Transmit range (free field)	1,000 m
Min. operating temperature	-10 °C
Modulation	2FSK
Net weight	0.166 kg
PIR viewing angle horizontal	110 °
Product group	Detectors
Protection class IK	6
Radio frequency	868 MHz
Radio power	25 mW
Security gradient	2
Sensor type	PIR, Microwave
Status display	Yes
Tamper monitoring	Yes
Technology	Electronics
Type of protection	Intrusion protection
VdS class	without
Voltage monitoring	Yes
WEEE group	09
standard	EN 50131-2-4

Comfion wireless PIR/MW detector

Art.-Nr. FUBW80100

Seite 4 von 4

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width	46 mm
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