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GRADE
EN 50131

Ajax MotionProtect
Pet immune motion PIR detector

Ajax MotionProtect detects the first step of a human on the premises but ignores pets, drafts and noise from an air conditioner.

Maximum performance

Works up to 2,000 meters from Ajax Hub in open space or across several floors of a business center

Detects motion up to 12 meters away

Detects the first step of an intruder

Processes signals digitally

Protection from intruders and failure

Uses authentication to protect against fraud

Tampering alarm

Adjustable polling period from 12 seconds

Jamming detection, frequency-hopping

Uses an encrypted connection

Effortless operation

Adjustable to three different sensitivity levels

Uses our SmartMotion algorithm to avoid false alarms from animals weighing less than 20kg

Eliminates false alarms from gear and electromagnetic interference using a FresnelTech optical component, made from POLY IR4 material and an Excelitas PIR sensor

Works under most conditions due to digital temperature compensation

Two-way communication with Ajax Hub allows for periodic testing and customization

Has a battery life of up to 7 years

Simple professional-level installation

No need to disassemble the body when installing using SmartBracket mounts

The quality of the connection and detection area can be tested remotely

Connects to Ajax Hub with a single click

Can be used with third-party security systems using the uartBridge and Bridge Plus modules

Tech specs

- Detector type: Wireless
- Use: Indoor
- Movement detection distance: Up to 12 m (39.4 ft)
- Sensitivity: 3 levels adjustable (low, medium, high)
- Detection angle: 88.5° horizontal / 80° vertical
- Installation height suggested: 2.4 m (7.9 ft)
- Pet ignoring option: Weight up to 20 kg (44 lb), height up to 50 cm (19.7 in)
- Tampering alarm: Available
- Radio signal power: 20 mW
- Communication protocol: Jeweller (868.0-868.6 MHz)
- Maximum distance between detector and central unit: Up to 2,000 m (6,552 ft) (in open area)
- Power supply: CR123A battery
- Power supply voltage: 3 V
- Battery life: Up to 7 years
- Operating temperature range: From 0°C (+32°F) to +50°C (+122°F)
- Operating humidity: Up to 80%
- Dimensions: 110x65x50 mm (4.33x2.55x1.96 in)