



Ajax MotionProtect Plus

Pet immune motion PIR detector with microwave sensor

Ajax MotionProtect Plus detects the first step of a human on the premises but ignores pets, drafts and noise from an air conditioner. Radio frequency scanning filters interference created by thermal radiation combined with curtain movement, trembling blinds or a strong sun glare.

Tech specs

- Detector type: Wireless
- Detecting element: PIR-sensor and microwave sensor (24 GHz)
- 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)
- Additional protection: Microwave sensor to filter composite false alarms sources
- Tampering alarm: Available
- Radio signal power: 20 mW
- Communication protocol: Jeweller (868.0-868.6 MHz)
- Maximum distance between detector and central unit: Up 2,000 m (6,552 ft) (in open area)
- Power supply: CR123A battery
- Power supply voltage: 3 V
- Battery life: Up to 5 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)



Maximum performance

- Works up to 2,000 meters from Ajax Hub in open space or across several floors of a business center
- Avoids false alarms even in rooms or warehouses with active air conditioners and fireplaces
- Detects motion up to 12 meters away
- Detects the first step of an intruder
- Processes signals digitally



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
- Filters interference with radio frequency scanning
- 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 5 years



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



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 ocBridge Plus modules