



## 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

#### 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)



#### 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