



Ajax CombiProtect

Combined motion and glass break detector

Ajax CombiProtect detects the first step of a human on the premises but ignores the motion of pets, drafts and air conditioners. Protects windows up to 9 meters from the detector.

Tech specs

- Detector type: Wireless
- Use: Indoor
- Movement detection distance: Up to 12 m (39.4 ft)
- Movement and glassbreak sensitivity: 3 levels adjustable (low, medium, high)
- Movement 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)
- Glassbreak detection distance: Up to 9 m (29.5 ft)
- Detecting element: PIR-sensor (movement), electret microphone (glass break)
- 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 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
Detects motion up to 12 meters away
Detects broken glass up to 9 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
Works under most conditions due to digital temperature compensation
Uses two-factor detection of broken glass at low and high frequencies to prevent false alarms
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
Detects jamming, encrypts communication channels, and ensures authentication



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