



Ajax MotionProtect Plus

Motion detector with radio frequency scanning against complex interference

Ajax MotionProtect Plus detects the first step of a human intruder on the premises, but ignores the motion of pets, drafts and air conditioners. Radio frequency scanning filters complex interference created by thermal radiation combined with curtain movement, trembling of blinds, and strong glares.



Enhanced performance

- Works at the distance of up to 2,000 meters from Ajax Hub in open space or on the several floors of a business center
- Can work at the same time with air conditioners, while airing the room, at warehouses and rooms with a fireplace
- Detects motion at 12 meters
- Detects the first human step
- 100% of the signal is processed digitally



Smooth operation

- The detector has 3 sensitivity levels
- SmartDetect detection algorithm does not react on animals weighing under 20 kilos
- FresnelTech optical component made from POLY IR4 material and hi-end Excelitas piro sensor eliminate alarms from glares and electromagnetic interference
- Radio frequency scanning filters complex interference
- Digital temperature compensation ensures independence from climate conditions
- Two-way communication with the Hub for testing and customization
- Battery life — up to 5 years



Protection from failures and sabotage

- Authentication of the detector to protect from fraud
- The body is tamper proof
- Response from detectors is checked every 12-300 seconds (adjustable)
- Identification and prevention of jamming
- Encrypted communication



Simple professional-level installation

- No need to disassemble the body when installing on SmartBracket mount
- Connection quality and detection area can be tested from a remote location
- Connects to Ajax Hub in one click with the help of a QR-code
- Can work with an outside security system through Ajax integration modules (uartBridge and ocBridge/ocBridge Plus)

Tech specs

- Colours: White/Black
- Detector type: Wireless
- Detecting element: Piro sensor and microwave sensor (24GHz)
- 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
- Tamper protection: Available
- Radio signal power: 20 mW
- Communication protocol: Jeweller (868 or 915 MHz depending on the country of distribution)
- Maximum distance between detector and central unit: 2000 m (6552 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)