Products ⌄   **Assemble kit**

Tech specs

BASELINE

MotionProtect Curtain Jeweller

Wireless IR curtain motion detector

Device compatibility   (Check)

Communication

⬦ Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote control and configuration in Ajax apps.

Learn more ›

Frequency bands

866.0–866.5 MHz
868.0–868.6 MHz
868.7–869.2 MHz
905.0–926.5 MHz
915.85–926.5 MHz
921.0–922.0 MHz

Depends on the sales region.

Maximum effective radiated power (ERP)

up to 20 mW

Automatic power control to reduce power consumption tend radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,700 m

Between the device and a hub (or a range extender) in an open space.

Calculate radio communication range at the facility ›

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Learn more ›

B MotionProtect Curtain Jeweller   More ⌄

Sensitive element

2 × PIR sensor

Motion detection distance

up to 6–15 m

When installed at a height of 2.4 m, and the **Correlation Signal Processing** feature is **disabled**. It also depends on the sensitivity level adjusted in the device settings.

up to 6–8 m

When installed at a height of 2.4 m, and the **Correlation Signal Processing** feature is **enabled**. It also depends on the sensitivity level adjusted in the device settings.

Learn more ›
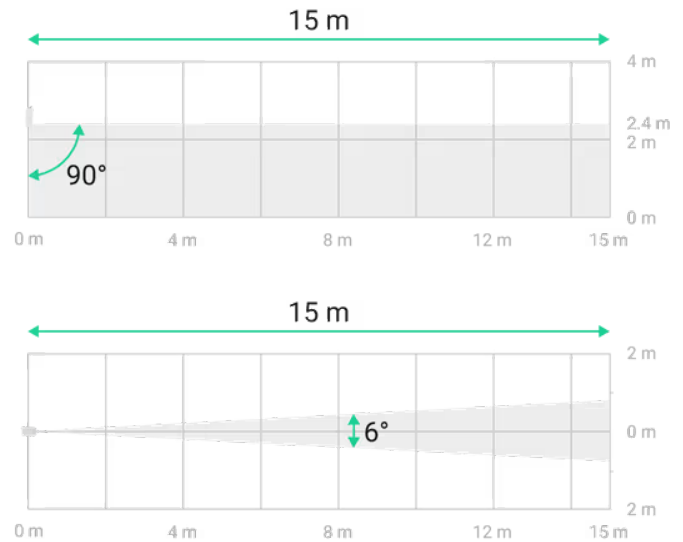
Motion detection angles

horizontal — 6°

vertical — 90°

Motion detection speed

from 0.3 to 2.0 m/s

The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.

Sensitivity

3 levels

Adjusted by PRO or user with admin rights
in the Ajax app.

Pet immunity

Install the detector upside down to
prevent it reacting to domestic animals.

Temperature compensation

Effective motion detection at
temperatures from −10 °C to +40 °C.

Learn more ›

Recommendations

It is recommended to install the detector at a height of 2.4 m. The device is designed
for indoor use only.

Sabotage protection

Tamper alarm

Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.

Learn more ›

Protection against spoofing

device authentication

Communication loss detection

after 36 s

Detection time depends on the Jeweller or Jeweller/Fibra settings.

Learn more ›

Power supply

Battery

CR123A

Pre-installed.

Type

type C

Calculated battery life

up to 5 years

Learn more ›

Detector's operating voltage range

2.1–3.3 V⎓

Detector's nominal operating voltage

3 V⎓

Quiescent detector's current consumption at nominal voltage

41 μA

Maximum detector's current consumption at nominal voltage

60.4 mA

Full battery capacity

1,600 mAh

Low battery voltage

2.5 V⎓

Low battery recovery voltage

2.7 V⎓

End-of-life battery voltage

2.1 V⎓

Device is switched off.

End-of-life battery capacity

300 mAh

Manufacturer

Huiderui

Enclosure

Dimensions

134 × 44 × 34 mm

with bracket

134 × 52 × 41 mm

134 mm

34 mm　　44 mm

Weight

118 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP54

134 mm

41 mm   52 mm
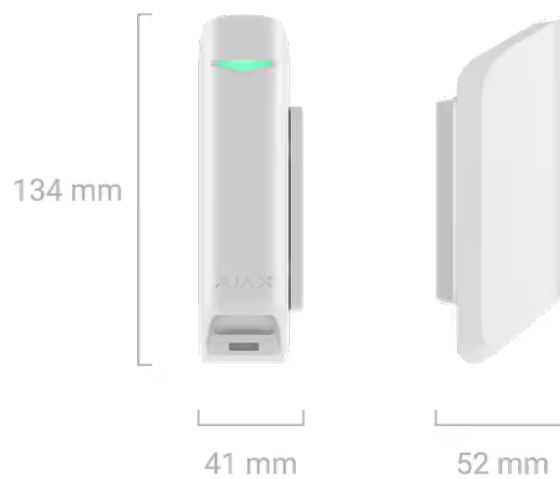
Colors

Black   White

Complete set

MotionProtect Curtain Jeweller

SmartBracket mounting panel

Bracket

Installation kit

CR123A battery (pre-installed)

Quick start guide

Certification and compliance with standards

MotionProtect Curtain Jeweller

Additional information

Compliance with standards

Learn more >

Warranty

24 months

Learn more >

User manual

Learn more >

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Request extra help

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💬 Send a request

★ Trustpilot
★★★★★
Rating 4.8

4,000,000
people worldwide under Ajax protection

💡 Suggest a feature

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Intrusion protection

Video surveillance

Fire and life safety

Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

Software

For users

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Translator PRO

Ajax Cloud Signaling

Scenarios

 Available on
App Store

 Available on
Google Play
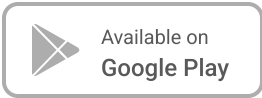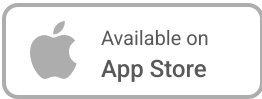
Solutions

Support

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Wireless Grade 3 solution

Upgrades and retrofits

How it works

Manuals and articles

Compliance with standards

Tools

Ajax device compatibility

Video storage calculator

Video device calculator

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Switches and outlets configurator

Fibra power supply calculator

All web tools

Monitoring solutions and integrations

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Audio alarm verification

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Reviews and feedback

For partners

For partners

Ajax Academy

Partner Portal

México   Privacy policy   Report a vulnerability   GDPR White Paper   NDAA Statement   Cookie policy   Anti-Spam Policy

End user agreement   Warranty