Tech specs

🅑ASELINE

Curtain Outdoor Jeweller

Wireless dual technology curtain motion detector for outdoor and indoor use

–	**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 and radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,700 m

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

Encrypted communication

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

Frequency hopping

To prevent radio interference and jamming.

◈ Wings communication technology

Proprietary wireless communication technology for uploading firmware updates.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Data packages reload in case of transmission errors.

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868.0–868.6 MHz
868.7–869.2 MHz
905.0–926.5 MHz
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Detection

Sensitive elements

2 × PIR sensors

1 × K-band microwave sensor

K-band microwave sensor to prevent false alarms caused by thermal interference. Operation frequency: 24 GHz.
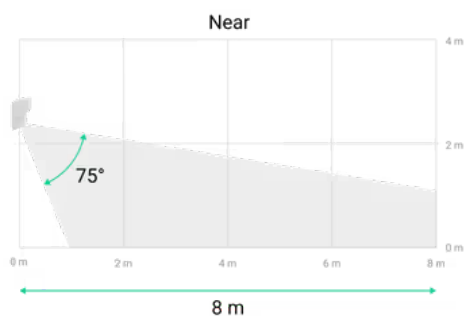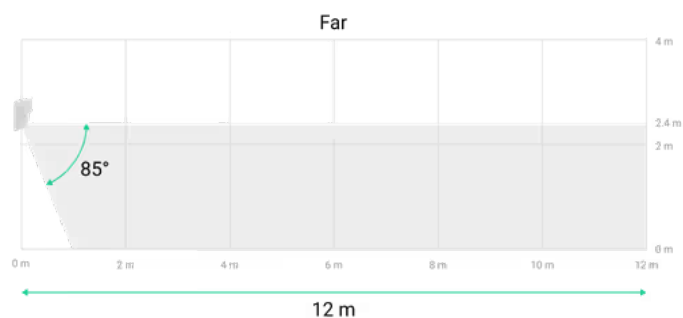

Motion detection distance

up to 8−12 m

When installed at a height of 1−2.4 m. Adjusted with a slider at the detector enclosure.
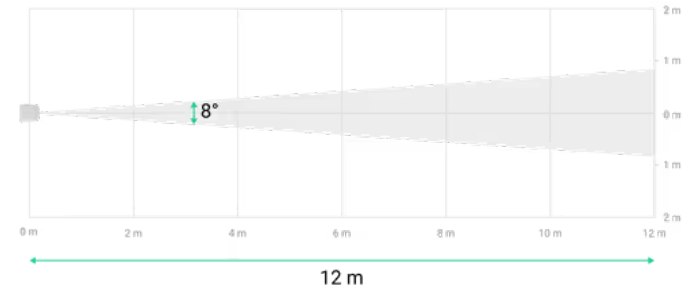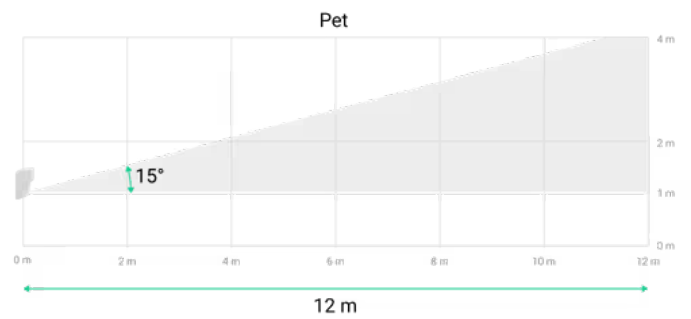
Motion detection angles

horizontal: 8°
vertical: 85°/75°/15°

Depends on the installation height.
The angle is 85° or 75° at 2.4 m and 15° at 1 m.

Motion detection speed

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 a PRO or a user with admin rights in the Ajax apps.

Pet immunity

height: up to 100 cm
weight: irrelevant

The detector should be installed at a height of 1 meter, and the slider on its enclosure should be set to the **Pet** position.

False alarm prevention

Dual motion detection technology

SmartDetect

Software algorithm.

Temperature compensation

Effective motion detection at temperatures
from −25 °C to +60 °C.

Recommendations

It is recommended to install the detector at a height of:

- 2.4 m;
- 1 m when the **Pet immune** mode is enabled.

The device is designed for indoor and outdoor use.

Install the hood to protect the detector's anti-masking system from rain and snow.

Sabotage protection

Tamper alarm

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

Protection against spoofing

device authentication

Anti-masking system

detects attempts to block the detector view

Learn more ›

Accelerometer

alarm when the detector is moved

Must be activated when the detector is installed on third-party brackets.

Holding screw

To secure the detector on SmartBracket or hood.

Communication loss detection

within 36 s

Detection time depends on the Jeweller settings.

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Power supply

Battery

2 × CR123A

Pre-installed.

Type

type C

Calculated battery life

up to 3 years

Learn more >

Detector's operating voltage range

4.1–6.2 V⎓

Detector's nominal operating voltage

6 V⎓

Quiescent detector's current consumption at nominal voltage

37 μA

Maximum detector's current consumption at nominal voltage

600 mA

Full battery capacity

1,600 mAh

Low battery voltage

4.48 V⎓

Low battery recovery voltage

5.14 V⎓

End-of-life battery voltage

4.1 V⎓

Device is switched off.

End-of-life battery capacity

170 mAh

Manufacturer

Huiderui or Panasonic

Enclosure

Dimensions with hood

155 × 77 × 85 mm

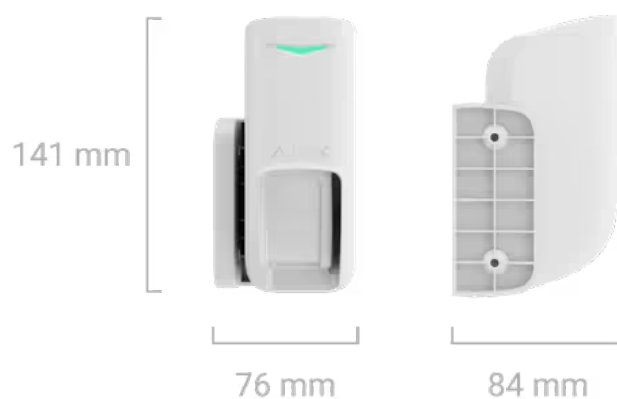## Dimensions with hood and angle mount

155 × 84 × 98 mm

Dimensions without hood

141 × 60 × 72 mm

Dimensions without hood and with angle mount

141 × 76 × 84 mm

Weight with hood

299 g

Weight without hood

223 g

Weight of angle mount

34 g

Operating temperature range

from −25 °C to +60 °C

Operating humidity

up to 95%

Protection class

IP55

Color

White

Complete set

Curtain Outdoor Jeweller

SmartBracket mounting panel

2 × CR123A battery (pre-installed)

Angle mount

Hood

Installation kit

Quick start guide

Certification and compliance with standards

Additional information

Compliance with standards

Learn more

User manual

Learn more

Warranty

24 months

Learn more

Rating 4.8

Solutions

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Wireless Grade 3 solution

Upgrades and retrofits

Why Ajax

How it works

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Manuals and articles

Compliance with standards

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Ajax device compatibility

CMS software compatibility

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Video device calculator

Battery life calculator

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Audio alarm verification

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Ajax Next

Students at CES 2026

Reviews and feedback

For partners

For partners

Ajax Academy

Partner Portal