

Curtain Outdoor Jeweller

Wireless dual technology curtain motion detector for outdoor and indoor use

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.

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

up to 5,500 ft

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.

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

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Radio communication range

up to 1,700 m

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<p>Detection</p>	<p>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.</p> <p>Motion detection distance up to 8–12 m up to 26–39 ft When installed at a height of 1–2.4 m. Adjusted with a slider at the detector enclosure. When installed at a height of 3.3–7.9 ft. Adjusted with a slider at the detector enclosure.</p> <p>Motion detection angles horizontal: 8° vertical: 85°/15° Depends on the installation height. The angle is 85° at 2.4 m (7.9 ft) and 15° at 1 m (3.3 ft).</p> <p>Motion detection speed 0.3 to 2.0 m/s 1 to 6.6 ft/s The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.</p> <p>Sensitivity 3 levels Adjusted by a PRO or a user with admin rights in the Ajax apps.</p> <p>Pet immunity height: up to 100 cm (3.3 ft) 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. The detector should be installed at a height of 3.3 feet, and the slider on its enclosure should be set to the Pet position.</p> <p>False alarm prevention Dual motion detection technology SmartDetect Software algorithm.</p> <p>Temperature compensation Effective motion detection at temperatures from -25 °C to +60 °C. (-13 °F to +140 °F)</p>
<p>Recommendations</p>	<p>It is recommended to install the detector at a height of:</p> <ul style="list-style-type: none"> • 2.4 m (7.9 ft); • 1 m (3.3 ft) when the Pet immune mode is enabled. <p>The device is designed for indoor and outdoor use.</p> <p>Install the hood to protect the detector’s anti-masking system from rain and snow.</p>

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

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

after 36 s

Detection time depends on Jeweller or Jeweller/Fibra settings.

Power supply

Battery

2 × CR123A
Pre-installed.

Type
type C

Calculated battery life
up to 3 years

Detector's operating voltage range
4.1-6.2 V_{DC}

Detector's nominal operating voltage
6 V_{DC}

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_{DC}

Low battery recovery voltage
5.14 V_{DC}

End-of-life battery voltage
4.1 V_{DC}
Device is switched off.

End-of-life battery capacity
170 mAh

Manufacturer
Huidrui or Panasonic

Enclosure	<p>Dimensions with hood 155 × 77 × 85 mm 6.1" × 3.03" × 3.35"</p> <p>Dimensions with hood and angle mount 155 × 84 × 98 mm 6.1" × 3.31" × 3.86"</p> <p>Dimensions without hood 141 × 60 × 72 mm 5.55" × 2.36" × 2.83"</p> <p>Dimensions without hood and with angle mount 141 × 76 × 84 mm 5.55" × 2.99" × 3.31"</p> <p>Weight with hood TBC</p> <p>Weight without hood 223 g 7.87 oz</p> <p>Weight of angle mount 34 g 1.2 oz</p> <p>Operating temperature range from -25 °C to +60 °C from -13 °F to +140 °F</p> <p>Operating humidity up to 95%</p> <p>Protection class IP55</p>
Color	White
Complete set	Curtain Outdoor Jeweller SmartBracket mounting panel 2 × CR123A battery (pre-installed) Angle mount Hood Installation kit Quick start guide
Warranty	24 months