# 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 MHz868.0–868.6 MHz868.7–869.2 MHz905.0–926.5 MHz915.85–926.5 MHz921.0–922.0 MHzDepends on the sales region.**Maximum effective radiated power (ERP)**up to 20 mWAutomatic power control to reduce power consumption and radio interference.**Radio signal modulation**GFSK**Radio communication range**up to 1,700 mup to 5,500 ftBetween 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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| **Detection** | **Sensitive elements**2 × PIR sensors1 × K-band microwave sensorK-band microwave sensor to prevent false alarms caused by thermal interference.Operation frequency: 24 GHz.**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.**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). **Motion detection speed**0.3 to 2.0 m/s 1 to 6.6 ft/sThe direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.**Sensitivity**3 levelsAdjusted by a PRO or a user with admin rights in the Ajax apps.**Pet immunity**height: up to 100 cm (3.3 ft) weight: irrelevantThe 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.**False alarm prevention**Dual motion detection technologySmartDetectSoftware algorithm.**Temperature compensation**Effective motion detection at temperatures from −25 °C to +60 °C. (−13 °F to +140 °F) |
| **Recommendations** | It is recommended to install the detector at a height of:* 2.4 m (7.9 ft);
* 1 m (3.3 ft) 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**Accelerometer**alarm when the detector is movedMust 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 sDetection time depends on Jeweller or Jeweller/Fibra settings. |
| **Power supply** | **Battery**2 × CR123APre-installed.**Type**type C**Calculated battery life**up to 3 years**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 mm6.1″ × 3.03″ × 3.35″**Dimensions with hood and angle mount**155 × 84 × 98 mm6.1″ × 3.31″ × 3.86″**Dimensions without hood**141 × 60 × 72 mm 5.55″ × 2.36″ × 2.83″**Dimensions without hood and with angle mount**141 × 76 × 84 mm5.55″ × 2.99″ × 3.31″**Weight with hood**TBC**Weight without hood**223 g7.87 oz**Weight of angle mount**34 g1.2 oz**Operating temperature range**from −25 °C to +60 °C from –13 °F to +140 °F**Operating humidity**up to 95%**Protection class**IP55 |
| **Color** | **White**  |
| **Complete set** | Curtain Outdoor JewellerSmartBracket mounting panel2 × CR123A battery (pre-installed)Angle mountHoodInstallation kitQuick start guide |
| **Warranty** | 24 months |