

Curtain Outdoor Jeweller

Wireless dual technology curtain motion detector for outdoor and indoor use

Communication	<p>Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Advanced anti-sabotage.• Block encryption featuring a dynamic key.• Instant notifications.• Remote control and configuration in Ajax apps. <p>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.</p> <p>Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and radio interference.</p> <p>Radio signal modulation GFSK</p> <p>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.</p> <p>Encrypted communication All stored and transmitted data are protected by block encryption featuring a dynamic key.</p> <p>Frequency hopping To prevent radio interference and jamming.</p> <p>Wings communication technology Proprietary wireless communication technology for uploading firmware updates.</p> <p>Key features:</p> <ul style="list-style-type: none">• Two-way communication.• Advanced anti-sabotage.• Block encryption featuring a dynamic key.• Data packages reload in case of transmission errors. <p>Frequency bands 866.0–866.5 MHz 868.0–868.6 MHz</p>
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Detection	<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</p>

	<p>Software algorithm.</p> <p>Temperature compensation Effective motion detection at temperatures from –25 °C to +60 °C. (–13 °F to +140 °F)</p>
Recommendations	<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	<p>Tamper alarm Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.</p> <p>Protection against spoofing device authentication</p> <p>Anti-masking system detects attempts to block the detector view</p> <p>Accelerometer alarm when the detector is moved Must be activated when the detector is installed on third-party brackets.</p> <p>Holding screw To secure the detector on SmartBracket or hood.</p> <p>Communication loss detection after 36 s Detection time depends on Jeweller or Jeweller/Fibra settings.</p>
Power supply	<p>Battery 2 × CR123A Pre-installed.</p> <p>Type type C</p> <p>Calculated battery life up to 3 years</p> <p>Detector's operating voltage range 4.1–6.2 V_{DC}</p> <p>Detector's nominal operating voltage 6 V_{DC}</p> <p>Quiescent detector's current consumption at nominal voltage 37 µA</p> <p>Maximum detector's current consumption at nominal voltage 600 mA</p> <p>Full battery capacity 1,600 mAh</p>

	<p>Low battery voltage 4.48 V\approx</p> <p>Low battery recovery voltage 5.14 V\approx</p> <p>End-of-life battery voltage 4.1 V\approx Device is switched off.</p> <p>End-of-life battery capacity 170 mAh</p> <p>Manufacturer Huiderui or Panasonic</p>
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	<p>Curtain Outdoor Jeweller</p> <p>SmartBracket mounting panel</p> <p>2 × CR123A battery (pre-installed)</p> <p>Angle mount</p>

	Hood Installation kit Quick start guide
Warranty	24 months