# 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  Depends on the sales region.  **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. |
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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  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/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 (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.  **False alarm prevention**  Dual motion detection technology  SmartDetect  Software 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 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⎓  **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  6.1″ × 3.03″ × 3.35″  **Dimensions with hood and angle mount**  155 × 84 × 98 mm  6.1″ × 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 mm  5.55″ × 2.99″ × 3.31″  **Weight with hood**  TBC  **Weight without hood**  223 g  7.87 oz  **Weight of angle mount**  34 g  1.2 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 Jeweller  SmartBracket mounting panel  2 × CR123A battery (pre-installed)  Angle mount  Hood  Installation kit  Quick start guide |
| **Warranty** | 24 months |