

MotionProtect Jeweller

Wireless IR motion detector.

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 sabotage protection.• Block encryption featuring a dynamic key.• Instant notifications.• Remote configuration in the Ajax apps. <p>Frequency bands 868.0–868.6 MHz</p> <p>Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and noise interference.</p> <p>Radio signal modulation GFSK</p> <p>Radio signal range up to 1,700 m up to 5,600 ft Between detector and control panel (or range extender) in an open space.</p> <p>Encrypted communication All the data stored and transmitted are protected by block encryption with a dynamic key.</p> <p>Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming.</p>
Detection	<p>Sensitive element PIR sensor</p> <p>Motion detection distance up to 12* m up to 39 ft When installed at the height of 2.4 m. When installed at the height of 7.9 ft.</p> <p>* – 10 m according to INCERT (with high sensitivity level)</p> <p>Motion detection angles horizontal: 88.5°</p> <p>Motion detection speed from 0.3 to 2 m/s from 1 to 6.6 ft/s</p>

	<p>The direction of the detector lens should be perpendicular to an alleged intrusion path into the facility.</p> <p>Sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app.</p> <p>Pet immunity weight: up to 20 kg weight: up to 44 lb height: up to 50 cm height: up to 1.6 ft</p> <p>False alarm prevention SmartDetect Software algorithm.</p> <p>Temperature compensation Effective motion detection at temperatures from -10°C to $+40^{\circ}\text{C}$. from 14°F to 104°F.</p>
<p>Recommendations</p>	<p>It is recommended to install the detector at a height of 2.4 m. It is recommended to install the detector at a height of 7.9 ft. The device is designed for indoor use only.</p>
<p>Sabotage protection</p>	<p>Tamper alarm Notifications on attempts to detach the detector from the surface or remove it from the mounting panel.</p> <p>Holding screw to secure the detector on SmartBracket</p> <p>Protection against spoofing device authentication</p> <p>Communication loss detection after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.</p>
<p>Power supply</p>	<p>Battery 1 × CR123A Pre-installed.</p> <p>Type Type C</p> <p>Calculated battery life up to 5 years</p> <p>Detector's operating voltage range 2. 1–3. 3 V\approx</p> <p>Detector's nominal operating voltage 3 V\approx</p> <p>Quiescent detector's current consumption at nominal voltage</p>

	<p>0.019 mA</p> <p>Maximum detector's current consumption at nominal voltage 2.75 mA</p> <p>Full capacity 1,600 mAh</p> <p>Low battery voltage 2.5 V\approx</p> <p>Low battery recovery voltage 2.7 V\approx</p> <p>End of life battery voltage 2.1 V\approx Device is switched off.</p> <p>End of life battery capacity 300 mAh</p> <p>Manufacturer Panasonic</p>
Enclosure	<p>Dimensions 110 × 65 × 50 mm 4.33" × 2.56" × 1.97"</p> <p>Weight 86 g 3.03 oz</p> <p>Operating temperature range from -10°C to +40°C from 14°F to 104°F</p> <p>Operating humidity up to 75%</p> <p>Protection class IP30</p>
Colours	<p>Black White</p>
Complete set	<p>MotionProtect Jeweller SmartBracket mounting panel with holding screw CR123A battery (pre-installed) Installation kit Quick start guide</p>
Warranty	<p>24 months</p>