


DoorProtect Plus Jeweller

Wireless opening, shock, and tilt detector

Communication	<p>Jeweller communication technology Proprietary wireless technology to transmit alarms and events.</p> <p>Features:</p> <ul style="list-style-type: none">◇ Two-way communication.◇ Advanced anti-sabotage.◇ Block encryption featuring a dynamic key.◇ Instant notifications.◇ Remote configuration via the Ajax apps. <p>Radio 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><i>* Certified according to UL/ULC standards.</i></p> <p>Maximum effective radiated power (ERP) up to 20 mW</p> <p>Radio signal modulation GFSK</p> <p>Radio communication range up to 1,200 m up to 3,900 ft Between the detector and a hub (or radio signal 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 To prevent radio interference and radio signal interception.</p>
Detection	Sensitive elements

	<p>1 × accelerometer 1 × reed switch The magnet should be installed to the right of the detector.</p> <p>Additional detector connection Third-party wired detector with the NC (normally closed) contact type*. <i>* Must be UL certified.</i></p> <p>Shock sensitivity 3 levels Adjusted by a PRO or user with admin rights in the Ajax app.</p> <p>Option to ignore single shock Adjusted by a PRO or user with admin rights in the Ajax app.</p> <p>Tilt sensor activation threshold from 5° to 25° Adjusted by a PRO or user with admin rights in the Ajax app.</p>
	<p>The magnet is mounted to the right of the detector. It can be placed horizontally. Do not install the detector with the LED indicator facing down, as this may cause it to fall and fail due to damage. Device is designed for indoor use only.</p>
<p>Anti-sabotage protection</p>	<p>Tamper alarm Notifications of attempts to tear off the detector from the surface or remove it from the mounting panel.</p> <p>Protection against spoofing device authentication</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>Device's nominal operating voltage 3 V_{DC}</p> <p>Quiescent device's current consumption at nominal voltage</p>

	<p>11.8 μA</p> <p>Maximum device's current consumption at nominal voltage 24 mA</p> <p>Full battery 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 Huiderui UL listed.</p>
Enclosure	<p>Dimensions \varnothing 20 x 90 mm \varnothing 0.79" x 3.54"</p> <p>Weight 29 g 1.02 oz</p> <p>Operating temperature range from -10°C to +40°C from 14°F to 104°F Temperature range from 32 °F (0 °C) to 120 °F (+49 °C) is certified according to UL/ULC standards.</p> <p>Operating humidity up to 75% Humidity of up to 85% is certified according to UL/ULC standards.</p> <p>Protection class IP50</p>
Colours	<p>Black White</p>
Complete set	DoorProtect Plus Jeweller

	SmartBracket mounting panel CR123A battery (pre-installed) Big magnet Small magnet Terminal to connect a third-party detector Installation kit Quick start guide
Warranty	24 months