


GlassProtect S Jeweller

Wireless glass break detector with a microphone. Developed for projects

Compatibility	Control panels Hub Plus Hub 2 (2G) Hub 2 (4G) Hub 2 Plus Hub Hybrid (2G) Hub Hybrid (4G) Range extenders ReX ReX 2
Communication	Jeweller communication technology Proprietary wireless communication technology to transmit commands, alarms, and events. Key features: <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. Frequency bands 868.0–868.6 MHz Maximum effective radiated power (ERP) up to 20 mW Automatic power control to reduce power consumption and noise interference. Radio signal modulation GFSK Radio signal range up to 1,000 m up to 3,300 ft Between detector and control panel (or range extender) in an open space. Encrypted communication All the data stored and transmitted are protected by block encryption with a dynamic key. Frequency hopping Radio communication uses frequency hopping to prevent interception and jamming.
Detection	Sensitive elements electret microphone Glass break detection distance from 0.3 to 9 m from 1 to 29.5 ft

	<p>Glass break detection angles horizontal: 180° vertical: N/A</p> <p>Sensitivity 3 levels Adjusted by PRO or user with admin rights in the Ajax app.</p> <p>False alarm prevention DualTone Two-factor glass break verification software algorithm: by low and high frequencies.</p> <p>Input to connect an additional detector Wired detector with the normally closed (NC) contact type.</p>
<p>Glass break characteristics</p>	<p>Minimum glass size 400 × 400 mm 157" × 157" Detection distance is up to 9 m for all glass types when the High sensitivity level is selected. 29.5 ft</p> <p>Type of glass and its thickness: standard pane – 4 mm 0.16" insulated glass – 4 mm 0.16" tempered glass – 6 mm 0.24"</p>
<p></p>	<p>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 7 years</p> <p>Detector's operating voltage range 2.1–3.3 V_{DC}</p> <p>Detector's nominal operating voltage</p>

	<p>3 V\ominus</p> <p>Quiescent detector's current consumption at nominal voltage 0.011 mA</p> <p>Maximum detector's current consumption at nominal voltage 2.5 mA</p> <p>Full capacity 1,600 mAh</p> <p>Low battery voltage 2.4 V\ominus</p> <p>Low battery recovery voltage 2.7 V\ominus</p> <p>End-of-life battery voltage 2 V\ominus</p> <p>End-of-life battery capacity 250 mAh</p> <p>Manufacturer Panasonic</p>
Enclosure	<p>Dimensions 103 × 22 × 21 mm 4.05" × 0.87" × 0.83"</p> <p>Weight 40 g 1.41 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 IP50</p>
Colours	<p>Black White</p>
Complete set	<p>GlassProtect S Jeweller SmartBracket mounting panel with holding screw CR123A battery (pre-installed) Outside-mounted terminal clamp Installation kit Quick start guide</p>
Warranty	<p>24 months</p>