DoorProtect S Jeweller

Wireless reed switch-based opening detector. Developed for projects

Communication	**Jeweller communication technology**
	Proprietary wireless communication technology to transmit commands, alarms, and events.
	Key features:
	- 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 1,200 m up to 3,900 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** 2 reed switches The magnet can be installed to the left or right side of the detector.
	Magnets small and big one come in the set The small magnet operates at a distance of up to 1 cm from the detector, and the big magnet — up to 2 cm. The small magnet operates at a distance of up to 0.4" from the detector, and the big magnet — up to 0.8".
	Protection against reed switch chattering The detector ignores vibrations lasting up to 0.15 s.
	Input to connect an additional detector Wired detector with the normally closed (NC) contact type.
	Chime The siren makes a special sound to notify that the opening detectors are triggered when the system is disarmed.
(i)	Do not install the detector using both magnets at the same time. The detector recognizes only one magnet on one side of the detector — left or right. For indoor use only.

Sabotage protection	**Tamper alarm** Notifications on attempts to detach the detector from the surface or remove it from the mounting panel. **Holding screw** to secure the detector on SmartBracket **Protection against spoofing** device authentication **Communication loss detection** after 36 s Detection time depends on the Jeweller or Jeweller/Fibra settings.
Power supply	**Battery** 1 × CR123A Pre-installed. **Type** Type C **Calculated battery life** up to 7 years **Detector's operating voltage range** 2. 1–3. 3 V⎓ **Detector's nominal operating voltage** 3 V⎓ **Quiescent detector's current consumption at nominal voltage** 0.013 mA **Maximum detector's current consumption at nominal voltage** 10.5 mA **Full capacity** 1,600 mAh **Low battery voltage** 2.5 V⎓ **Low battery recovery voltage** 2.7 V⎓ **End of life battery voltage** 2.1 V⎓ Device is switched off. **End of life battery capacity** 300 mAh **Manufacturer** Panasonic

Enclosure	**Detector dimensions** 103 × 22 × 21 mm 4.05" × 0.87" × 0.83" **Dimensions of the big magnet** 103 × 22 × 21 mm 4.05" × 0.87" × 0.83" **Dimensions of the small magnet** 55 × 11 × 6 mm 2.15" × 0.43" × 0.24" **Weight of the white device** 37 g 1.310 oz **Weight of the black device** 34 g 1.20 oz **Operating temperature range** from −10 °C to +40 °C from 14 °F to 104 °F **Operating humidity** up to 75% **Protection class** IP50, IK04 IP30 tested by CNPP according to NFa2P.
Colours	**Black** **White**
Complete set	DoorProtect S Jeweller SmartBracket mounting panel with holding screw CR123A battery (pre-installed) Big magnet Small magnet Outside-mounted terminal clamp Installation kit Quick start guide
Warranty	24 months