Ajax Superior DoorProtect G3 Jeweller

Wireless reed-switch opening detector with shock, tilt, and masking sensors

3 GRADE EN 50131

PD 6662 2017

This is a device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and maintain Superior products.



Reliable detection

- Two reed switches to detect doors or windows being opened
- Accelerometer to detect impacts, vibrations, and changes in the tilt angle
- Plastic reed switches for more durable performance compared to glass alternatives
- Adjustable alarm parameters for shock and tilt sensors to ensure accurate detection

Additional features

- Additional NC input for connecting a third-party detector
- Protection against reed switch chattering to prevent false alarms
- Chime[1] feature: Ajax sirens make a special sound when someone opens the door

Superior Jeweller and Wings communication technologies

- Up to 3,500 m (11,450 ft) of radio communication[2] in open space
- Enhanced data encryption
- Regular polling to display current device state
- Device authentication to prevent spoofing
- Over-the-air firmware updates

System supervision

- Low battery notifications and status display in Ajax apps
- Automatic device self-diagnosis with state report generation
- Regular sensor performance check
- Notifications in case of malfunctions

Sabotage resistance

- Advanced anti-masking system compliant with Grade 3 requirements
- Holding screw for securing the detector and magnet on SmartBracket
- Tamper alarm on dismantling or detachment
- Frequency hopping for radio interference and jamming protection
- Communication loss detection[3] within 36 s

Easy installation and setup

- Adding to the system via a QR code
- SmartBracket mounting panel for installation without enclosure disassembly
- Remote control and configuration in mobile and desktop Ajax apps
- Installation kit with all necessary fasteners
- Up to 5 years (TBC) of operation on enhanced pre-installed batteries

Compliance with standards

EN 50131 (Grade 3)
PD 6662:2017

Compatibility with hubs and range extenders

For detailed information, scan the QR code or follow the link:

ajax.systems/tools/devices-compatibility/?models=DP.G3.J

Communication with a hub or range extender

Wings communication technology

Superior Jeweller communication technology

Frequency bands
865.0–868.0 MHz
868.0–868.6 MHz
868.7–869.2 MHz
869.4–869.65 MHz
The device supports these four bands

Communication range[2]
up to 3,500 m
up to 11,450 ft
In open space

Over-the-air firmware updates

Opening detection

Sensitive elements
2 reed switches
1 accelerometer
1 magnetometer

Shock sensor sensitivity
3 levels
Adjusted by a PRO or user with admin rights in the Ajax app

Tilt sensor activation threshold
from 5° to 25°
Adjusted by a PRO or user with admin rights in the Ajax app

Magnetometer sensitivity
3 levels
Adjusted by a PRO or user with admin rights in the Ajax app

Magnet spoofing detection

Third-party detector connection
wired detector with the normally closed (NC) contact type

Power supply

Battery
1 × CR123A
(pre-installed)

Battery life (TBC)
up to 5 years

Installation

Operating temperature range
from -10 °C to +40 °C
from 14 °F to 104 °F

Operating humidity
up to 75%

Enclosure

Color
white, black

Dimensions
103 × 22 × 21 mm
4.06" × 0.87" × 0.83"

Weight
39 g
1.38 oz

Protection class
IP30

Complete set

Ajax Superior DoorProtect G3 Jeweller
SmartBracket mounting panel
CR123A battery (pre-installed)
Magnet
Connector for a third-party detector
Installation kit
Quick start guide

[1] The Chime feature requires the indoor or outdoor siren or keypad with a buzzer.
[2] Communication range depends on the hub model.
[3] If the polling interval is set to send three data packets as often as 12 seconds.

For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/superior-doorprotect-g3-jeweller/

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