

Tech specs

SUPERIOR

Superior DoorProtect G3 Fibra

Opening detector with shock, tilt, and magnetic masking sensors



Device compatibility

Check

Communication

◆ Fibra communication technology

Proprietary wired communication technology. Fibra combines the reliability of wires with the freedom of radio connection.

Key features:

- Two-way communication.
- Advanced anti-sabotage protection.
- Instant notifications.
- Remote configuration via the Ajax apps.

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Line connection

4-core cable

Fibra line length

up to 2,000 meters

When using the U/UTP cat.5 twisted pair cable.

[Calculate the line length at the facility >](#)

Encrypted communication

Detection

Sensitive elements

1 accelerometer

Reed switches

1 magnetic masking sensor

2 reed switches

Protection against reed switch chattering

The detector ignores vibrations lasting up to 0.15 s.



The magnet can be installed to the left or right side of the detector.

Input to connect an additional detector

Wired detector with the normally closed (NC) contact type.

How to connect a third-party wired detector

Additional detector connection



Shock sensor sensitivity

3 levels

Adjusted by a PRO or a user with admin rights in the Ajax app. The detection radius depends on the material type:

- **Framed glass window** – 1.2 m (high sensitivity level), 1 m (low sensitivity level).
- **Wooden plate** – 1.2 m (high sensitivity level), 1 m (low sensitivity level).
- **Concrete plate** – 0.75 m (high sensitivity level), 0.5 m (low sensitivity level).

Tilt and shock sensitivity



The smoother and cleaner the detection surface is, the better the detection radius is.

Option to ignore single impact

Adjusted by a PRO or a user with admin rights in the Ajax app.

Tilt sensor activation threshold

from 5° to 25°

Adjusted by a PRO or a user with admin rights in the Ajax app.

Spacers

2 pcs.

Are needed to install the detector or the magnet on a metal surface, as they help to reduce the distance between the detector and the magnet. You can use one or two spacers at once.



Chime

When the system is disarmed, the siren makes a special sound to notify that the opening detectors are triggered.

[Learn more](#) >

Recommendations

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.

The device is designed for indoor use only.

Sabotage protection

Tamper alarm

2 tampers

Notifications on attempts to detach the detector from the surface or open the front lid.



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Magnetic masking sensor

The device detects an attempt to mask the main magnet of Superior DoorProtect G3 Fibra with a fraudulent magnet.

Holding screw

to secure the detector on the mounting
panel

Protection against spoofing

device authentication

Power supply

Detector's operating voltage range

5–30 V_{DC}, up to 20 mW

The detector is powered by the hub.

Detector's nominal operating voltage

24 V_{DC}

Quiescent detector's current consumption at nominal voltage

120 μ A

Maximum detector's current consumption at nominal voltage

2 mA

Enclosure

Detector dimensions

102 × 21 × 19.5 mm

Magnet dimensions

102 × 21 × 19.5 mm

Weight of the white device

68 g

Weight of the black device

60.7 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%

Protection class

IP30, IK04



Colours

Black

White



Complete set

Superior DoorProtect G3 Fibra

Magnet

Spacers – 2 pcs.

Installation kit

Quick start guide

Certification and compliance with standards



Superior DoorProtect G3 Fibra



Additional information

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[User manual](#)

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Warranty

24 months

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Rating 4.8

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Products

Intrusion protection

Video surveillance

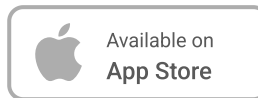
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Ajax Security System

Ajax PRO: Tool for Engineers

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