

DoorProtect Plus Fibra

Wired indoor motion, shock, and tilt detector

<ul style="list-style-type: none">• Built-in accelerometer for shocks and tilt detection• Protection against reed switch chattering• Two colours casing• Energy consumption up to 55 μA• Remote control and setup	<ul style="list-style-type: none">• Two reed switches to use magnet from left or right side of the detector• Additional NC input for connecting a third-party detector• Data-rich notifications• Fibra line connection up to 2,000 m
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DoorProtect Plus Fibra – is the device of the new Fibra wired product line. Such devices can only be purchased, installed and administered by accredited Ajax partners.

Communication protocol Fibra

The new wired line of Fibra devices has inherited all the advantages of the Jeweller wireless line. Data transmission that is encrypted and protected from sabotage, unprecedented range and energy efficiency, remote control and maintenance, the fastest possible installation.

Fibra technology allows building complex protection regardless of facility size, steel or concrete obstructions. Security is enhanced by informative notifications, photo verification of alarms, real-time system control in the app, and automation scenarios.

Three missions of one device

DoorProtect Plus is equipped with two reed switches and an accelerometer to detect opening, shocks and tilts. When installed on doors, shopfronts, panoramic and dormer windows, the detector reports intrusion instantly.

Built-in accelerometer for shocks and tilt detection

For additional protection, the detector features a built-in accelerometer. The detector uses it to notify the user if an intruder attempts to open or break through a window that was opened for ventilation. The tilt sensor detects vertical deflection of the device of more than 5°.

Use magnet from left or right side of the detector

DoorProtect Plus Fibra has two reed switches, which allows you to install a magnet on both the left and right side of the detector. Note that **DoorProtect Plus Fibra** works with one magnet on one side only.

The sensitive element of the detector is a reed switch (sealed contact). This is a small flask with an open contact group inside. When a magnet is brought to the detector, a magnetic field is generated and the detector contacts are magnetized, attracted, and closed. Opening the flap or door moves the magnet away from the reed switch, which opens the circuit, and the detector detects opening.

It takes a single magnet for the **DoorProtect Plus Fibra** detector to create a magnetic field. Use a small or large magnet, depending on the conditions at the installation site.

Terminals to connect a third-party NC detector

A third-party wired NC detector (normally closed detector) can be connected to **DoorProtect Plus Fibra**. It can be any type of detector: motion, opening, or vibration.

Technical specifications

General settings	
Classification	Wired opening, shock, and tilt detector
Color	White, Black
Installation method	Indoors
Limitations	
Compatibility	Hub Hybrid (2G) Hub Hybrid (4G)
Communication	
Fibra protocol	Transmission of events and alarms Alarm delivery time: 0.15 sec
Recommended wire for connection	Signal cable (4 × 0.22, copper) Twisted pair U/UTP cat.5 (4 × 2 × 0.51)
Connection wire length	Up to 2,000 m
Polling interval	From 12 to 300 seconds

Sensor parameters	
Sensing element	Reed switch
Detector life	2,000,000 openings
Detector triggering threshold	1 cm (small magnet) 2 cm (large magnet)
Sensing element	Accelerometer
Tilt sensor activation threshold	5° or more (customizable)
Shock sensitivity	3 levels (customizable)
Ignore First Shock option	Yes
Tampering alarm	Yes
External detector connection	Yes, normally closed
Power supply	
Detector power supply	24 V _{DC} , up to 55 µA
Enclosure	
Protection class	IP50
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 75%
Dimensions	90.5 × 21 × 18.5 mm
Weight	54 g
Service life	10 years