

DOOR GUARD

MAGNETIC OPENING DETECTOR

A wireless, universal magnetic detector for SAFE alarm system, designed to provide reliable protection of windows and doors of all types and designs, with one NC input for connecting external devices. The device consists of two components – a detector and a magnet.



Data Encryption with AES Algorithm with Floating Code

The SAFEKeeper encrypted communication protocol ensures maximum protection of the security system.



Radio Signal Distance up to 1200 m

Stable and efficient communication at a range of up to 1200 m in open space.



Bidirectional Information Transfer between Devices

Uninterrupted interaction between the central unit and devices using AES128 encryption.



Detection Distance < 4 cm

The device operates via a magnetic field—when the magnet moves away from the detector, the reed switch is triggered.



Input for Connecting a Wired External NC Detector

Integration of other security features, including third-party devices.



Smart Bracket for Quick and Easy Setup

Can be easily mounted using double-sided tape, screws, or other included fixing materials.



Firmware Update via Cloud Services

Adding new features, enhancing software security and expanding the security system capabilities.



Security Level 2 According to EN 50131

This signifies the highest level of protection for wireless components of the alarm and emergency system (PZTS) as standard.



Up to 5 Years of Battery Life

Powered by a replaceable battery that ensures continuous operation for up to 5 years.



Protection Against Radio Signal Interference

If signal interference is detected, the user is alerted, and the device automatically switches to a clear frequency band.



Add a Device to the System by Scanning a QR Code

Adding a detector is simple with the ProSAFE app. Just scan the device's unique QR code and configure the required functions.



Tamper Protection Against Sabotage and Unauthorized Handling of the Device

Protects devices from sabotage or any unauthorized handling.

Technical Specifications - Door Guard

Model Identification

SAFE 38100	White EAN code - 0728204234730
SAFE 38101	Black EAN code - 0728204235119

Interface

Indication	1 × green LED
Button	1 × power button

Function

Sabotage Contact	Yes (tamper)
Remote Update	Yes (Cloud)
Temperature Sensor	Yes
Search	Signal strength detection
Test Mode	Yes
Low Battery Alarm	Yes

Wireless Transmission

Carrier Frequency	868.0 MHz – 868.6 MHz
Transmitter Power (EIRP)	Limit 25 mW
Communication Type	Bidirectional
Communication Distance	Up to 1,200 m (3937.01 ft) in open space
Encryption Mode	AES128
Frequency Hopping	Yes (automatic)

Temperature Parameters

Measuring Range	-15 °C to +65 °C (+18.8 °F to +149 °F) (indoors)
Measurement Accuracy	±1 °C (± 33.8 °F)
Resolution	1 °C (33.8 °F)

Detection Parameters

Detection Type	Magnetic
Sensor	Reed contact
Detection Range	<40 mm (1.57")

Inputs/Outputs

Alarm Input	1 × NC/NO dry contact (adjustable)
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Small but Powerful

Door Guard is a sophisticated security device consisting of two key components: a detector with an integrated, highly reliable reed relay designed to withstand up to 2 million opening cycles, and a strong permanent magnet. The detector is installed on the movable part of a window or door, while the magnet is attached to the stationary frame. The device operates via a magnetic field - when the magnet moves away from the detector, the reed switch is triggered. This causes the Door Guard to immediately send an alarm signal to the central SAFE alarm system hub, alerting the user to a potential threat.

Smart Security

The Door Guard universal magnetic contact reliably detects the opening or closing of windows and doors and instantly notifies the user of any status change via the ProSAFE mobile app. It also integrates seamlessly into your smart security setup - automatically triggering an alarm in the event of a break-in, turning on lights or executing a customized preset action based on your preferences. This integration of intrusion detection with immediate response adds an extra layer of protection for your property and enhances the effectiveness of your security system.

Simple Installation and Practical Installation

Both parts of the wireless door opener can be quickly and easily attached to the surface using the special double-sided adhesive tape (included) or, if level 2 security is required, both parts can be fixed using the screws and mounting material provided. The detector is also equipped with a tamper function to protect the device from sabotage or unauthorized handling. Adding the detector to the system is straightforward using the ProSAFE app - simply scan the device's unique QR code and configure the required functions. Fully set up in no time, allowing your device to operate reliably.



Technical Specifications - Door Guard

General

Power Supply	1× CR123A battery
Power Consumption	Max. 125 mW
Current Consumption	≤12 µA (operation) / ≤2.3 mA (alarm)
Battery Life	When activated twice a day with a battery efficiency of 70%: 4 years (ext. NO input) 2 years (ext. NC or pulse input)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F) (indoors)
Operating Humidity	10 % to 90 % (RH)
Product Dimensions	100.2 mm × 20.8 mm × 20.3 mm (3.94" × 0.82" × 0.80")
Package Dimensions	137.0 mm × 98.0 mm × 28.0 mm (5.39" × 3.86" × 1.10")
Weight (net)	70 g (0.15 lb)
Weight (gross)	128.7 g (0.28 lb)
Installation	Bracket mount
Housing Material	PC + ABS
Compatibility	Hub 2 Plus LTE SAFE 38300
Compliance	CE EN 50131-1:2006+A1:2009+A2:2017+A3:2020 EN 50131-6:2017 EN 50131-5-3:2017 EN 50131-2-6:2008 Security Grade 2 Environmental Class II
Warranty	36 months

Support for System Extensibility

The Door Guard includes an NC input on the back for connecting an external wired detector. This allows seamless integration of additional security elements, including devices from third-party producers. Examples include flammable or explosive gas detectors, armored contacts for opening and closing garage doors, flood detectors, wired magnetic contacts, or other normally closed circuit sensors. This feature significantly enhances the flexibility and modularity of the entire SAFE alarm system.

SAFEKeeper Wireless Communication

SAFE Keeper is a radio protocol designed for the SAFE wireless security system. It operates at a frequency of 868.0-868.6 MHz and provides an interference-free communication range of over 2,000 m in open areas. Protected by AES128 encryption and a bi-directional communication mechanism, it ensures enhanced security for the transmitted data. In case of radio signal interference, the user is notified and the device automatically switches to a clear frequency band. The device is reliably protected against software-level threats. SAFE Keeper delivers the maximum and effective protection of the wireless security system.

