

INPUT BOARD

TRANSMITTER



The Wireless Input Board module enables the integration of any third party wired components with NC/NO type output into the SAFE alarm system. It provides reliable transmission of alarm and tamper signals through the encrypted SAFE Keeper protocol, extending system functionality without requiring replacement of existing devices.



Data Encryption with AES Algorithm with Floating Code

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



Radio Signal Range up to 1600 m

Stable and efficient communication with a range of up to 1600 m in open space.



Bidirectional Information Transfer between Devices

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



Adjustable NC/NO Relay Output Contact

The contacts are controlled either manually by the user via the ProSAFE application or automatically according to a predefined automation scenario.



Integration of Devices with Wired Output into the SAFE System

The Input Board enables the integration of existing wired security features and third-party components into a modern SAFE security system.



Output to Power a Connected Wired Device

Existing wired detectors and sensors can be integrated into the new SAFE system, allowing you to upgrade without the need for a full replacement.



Firmware Update via Cloud Services

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



Protection Against Radio Signal Interference

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



Integrated Port for External Tamper

Input Board also has an input channel for connecting the tamper port of third-party devices.



Automatic Change to an Uninterrupted Channel

Equipped with an interference detection and suppression system, providing maximum protection against signal interference.



Add a Device to the System by Scanning a QR Code

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



Up to 5 Years of Battery Life

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

Technical Specifications - Input Board

Model Identification

SAFE 38180	EAN code - 0728204234945
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Interface

Indication	1× green LED
Button	1× power button
Alarm Input	1× NO/NC/Pulse
Tamper Input	1× tamper

Function

Sabotage Contact	Triaxial accelerometer
Adjustable Alarm Types	Intrusion, fire, medical emergency, panic (SOS), gas leak, water leak
Remote Update	Yes (Cloud)
Search	Signal strength detection
Temperature Sensor	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 1,600 m (5249.34 ft) in open space
Encryption Mode	AES128
Frequency Hopping	Yes (automatic)

General

Classification	Module for integration of third-party wired peripherals
Device Type	Wireless
Application	Indoor / outdoor environment
Power Supply	3× CR123A batteries
Auxiliary Power Output	3.3 V, up to 10 mA
Power Consumption	Max. 150 mW (without powering external devices)
Current Consumption	Operation: 45 µA (normal operation and without powering external devices) Alarm: 50 mA
Anti-corrosion Level	Yes (basic protection)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F) (indoors)
Operating Humidity	10 % to 90 % (RH)
Product Dimensions	102 mm × 39 mm × 21.5 mm (4.02" × 1.54" × 0.85")
Package Dimensions	95 mm × 43 mm × 139 mm (3.74" × 1.69" × 5.47")
Weight (net)	77 g (0.17 lb)
Weight (gross)	135 g (0.30 lb)
Installation	In an installation box or third-party device
Compatibility	Hub 2 Plus LTE SAFE 38300
Compliance	CE
Warranty	36 months

System Extension with Additional Components

The SAFE Input Board is a versatile wireless module that enables seamless integration of existing wired security devices and third-party components into the modern SAFE security system. This adaptable module can connect a wide range of wired peripherals from various manufacturers - ranging from classic PIR motion sensors, open detectors, glass break detectors, and emergency buttons to specialized sensors for detecting vibrations or hazardous gases such as carbon monoxide. The operating principle is straightforward - when a connected external device detects an alarm event, the Input Board immediately translates this signal and transmits it wirelessly to the central SAFE panel via the integrated RF module.

Configurable Reception of Alarm Events

Received alarm alerts can be configured via the ProSAFE application. Within the device settings, you can specify how a particular Input Board should respond based on the type of connected external peripheral. Up to seven different alarm event categories are supported, covering the most common security incidents: intrusion, fire, medical emergency, SOS, gas leak, water leak and attempted system sabotage.

Protected Against Tampering and Sabotage

The Input Board also includes an input channel for connecting a tamper port for third-party devices. Security is further enhanced by an integrated triaxial accelerometer that reliably detects tampering attempts. This sensitive sensor can recognize even minimal movements and vibrations, ensuring effective protection against unauthorized interference. With this technology, any attempt to damage or tamper with the system is detected immediately.

