KEYPAD PLUS

TOUCH KEYBOARD

The Keypad Plus is a wireless, illuminated touch keyboard that allows easy operation alarm system using touch keys or encrypted contactless chips. In a critical situation, it can also trigger an emergency alarm, a fire alarm or a medical assistance alarm. The keypad includes password guessing protection, automatically locking after several unsuccessful code attempts. The current status information of the security system can then be indicated by individual LED indicators.



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 1600 m

Stable and effective communication with a distance of up to 1600 m in open space.

Bidirectional Information Transfer between Devices

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

Contactless Card Identification

Intuitive and easy operation of the ProSAFE security system.

One-Touch System Activation

Ability to initiate an emergency or fire alarm or an alarm to call for medical assistance.

Personal Access Codes

Establishing user permissions for individual users.

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.

Tamper Protection Against Sabotage and Unauthorized Handling of the Device

Protects devices from sabotage or any unauthorized handling.

Defense Radio Signal Interruption

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 Keypad Plus is simple with the ProSAFE app. Just scan the device's unique QR code and configure the required functions.

Up to 3 Years of Battery Life

Powered by a replaceable battery that ensures continuous operation for up to 3 years.

Technical Specifications - Keypad Plus

Model Identification

SAFE 38050	White EAN code - 0728204234723

Interface

Indication	4× LED indicator (communication, arm/disarm, fault, alarm)
Button	1× power button
Buzzer	1× built-in
Keypad Buttons	15× (0 – 9, *, #, arm, partial arm, disarm)
Card Reader	1× contactless (RFID Mifare 13.56 MHz)

Functions

Activation and Deactivation	Password; RFID card
Alarm Shortcuts	3x (fire, panic, medical assistance)
User management	Max. 32 users
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 1,600 m (5249.34 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)

Simple and Safe Operation

Keypad Plus provides intuitive and easy operation of the SAFE alarm system. Thanks to the integrated Mifare RFID chip reader, the device enables key operations, such as partial activation, full activation or deactivation of the system by entering a numeric code on the modern touch-sensitive keypad or by simply attaching an encrypted contactless card or key fob. This combination provides maximum convenience and security when managing your alarm system.

Customized for the User

Keypad Plus contactless cards or key fobs can be easily customised to your specific needs. Their simplicity makes them suitable for both young children and senior users. If needed, you can also assign chips to employees or occasional visitors as needed. Regardless of how the system status is changed - RFID chip, keypad code, remote control, or app - all status changes are carefully recorded, providing clear history of the individual events, including the identification of specific users.

Unconventional Solutions

Unlike traditional system keypads, the SAFE Keypad Plus offers a wide range of advanced features that enhance both functionality and security standards.
Main features encompass enhanced transmission power, which allows the radio signal range to be extended over greater distances. It also provides three types of alarms for emergencies - emergency alarm, fire alarm and medical emergency alarm. Users can customize the keypad LED backlight intensity, set activation/deactivation tones, adjust the integrated siren volume or check the radio signal strength to optimize communication.

Technical Specifications - Keypad Plus

General

Power Supply	4× AA batteries
Power Consumption	Max. 2.3 W
Current Consumption	≤82,5 µA (operation) / ≤1 A (alarm)
Battery Life	3 years of operation (if the device is armed and disarmed once a day) 2 years of operation (after activation of departure/arrival delay and arming/disarming alarms, if armed and disarmed once a day)
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F) (indoors)
Operating Humidity	10 % to 90 % (RH)
Product Dimensions	146.0 mm × 82.0 mm × 22.6 mm (5.75“ × 3.23“ × 0.89“) (L × W × H)
Package Dimensions	175 mm × 104 mm × 57 m (6.89“ × 4.09“ × 2.24“) (L × W × H)
Weight (net)	240 g (0.529 lb) (with battery) 145 g (0.32 lb) (without battery)
Weight (gross)	374 g (0.82 lb)
Installation	Wall 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 50131-3:2009 EN 50131-6:2017 EN 50131-5-3:2017 Security Grade 2 Environmental Class II
Warranty	36 months

Fits your Requirements

By configuring individual user privileges, you can control the entire alarm system or only selected areas by entering a code on the keypad or by attaching a chip. Specifically, a visitor can open the gate and access a specific part of the building, while other zones remain fully protected. You have complete authority over setting individual permissions, allowing you to customize the Keypad Plus to your exact needs, ensuring maximum security and convenience for every user.

Abnormal Temperature Alert

The Keypad Plus includes an integrated temperature sensor, that provides both a summary of the current temperature status at the installation site and alerts if a predefined threshold is crossed - either above or below the set limits. The user is notified when normal conditions are restored as the temperature returns to the predefined range . This feature ensures users are effectively informed when needed, allowing monitoring of the area's temperature and early detection of abnormal variations that may indicate, for example, a fire or other hazardous conditions.

SAFEKeeper Wireless Communication

SAFEKeeper 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. SAFEKeeper delivers the maximum and effective protection of the wireless security system.