SABRE RELAY

Mobility for Parking Garages, Remote Buildings and Single Door Offices

Overview

The SABRE RELAY is a combination Bluetooth Low Energy (BLE) reader with access controller management capabilities. Ideally suited for parking garages, remote buildings and single door offices where no existing cabling or reader infrastructure exists, the RELAY module enables users to gain access using Virtual Credentials within the Safetrust Wallet.

✓ **Streamline end-user experience with a single credential**

Consolidate all your credentials into one secure, convenient location in the Safetrust Wallet app.

✓ **Upgrade your readers, not your entire system**

The SABRE RELAY makes it easy to upgrade any existing access control system for mobile access, without giving up support for your physical access cards.

✓ **IoT Data Analytics**

Standards based MQTT interface enables high-volume IoT data to be sent from supported devices to an authorised broker.

✓ **Multiple I/O Interfaces**

Includes 5v input/output trigger, internal/external antennas, Wiegand, RS-485, and Wi-Fi module.

✓ **OTA (Over-the-air configuration)**

Firmware updates and configuration management can be made over-the-air through the Safetrust Wallet or Wi-Fi module.

✓ **Configurable Extendable Range**

Activation range can be configured based on environmental requirements. Where an additional range is required, the RELAY supports the use of external antennas for both the BLE and optional Wi-Fi interfaces.

How does it work?

Virtual Credentials are sent from a mobile device or wearable to the RELAY device using Bluetooth Low Energy (802.15.4). The RELAY decrypts the secure virtual credential and sends it to the control panel using industry standard Wiegand or RS485.

The physical access control system authorizes the request for access and triggers an LED and audible response on the host reader.
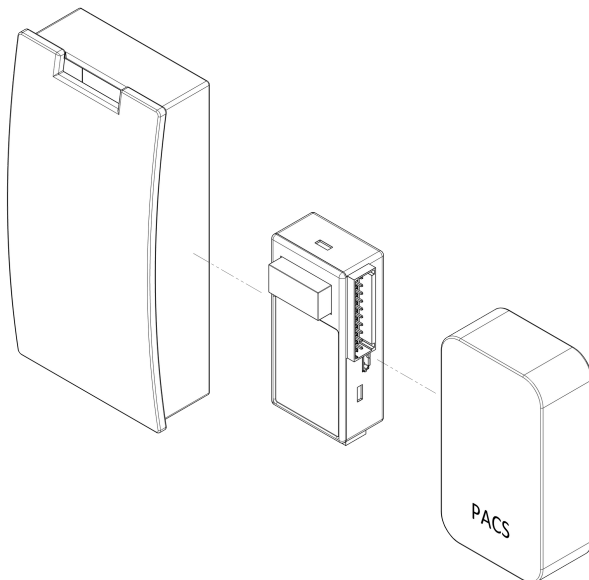
Installation

The SABRE RELAY has two configuration options.

A) By connecting one side of the SABRE RELAY directly to the control panel and the other side of the RELAY device directly to the reader, the SABRE RELAY enables mobile devices and wearables to be used as a replacement or in-conjunction with existing card technologies.
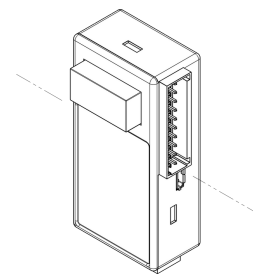
B) The SABRE RELAY can also operate as a standalone device for the support of mobile devices and wearables. This configuration option is ideal for environments where no existing cabling or reader infrastructure exists.

 A full wiring diagram can be found in the Install Guide which includes dimensions, antenna instructions, wiring instructions and power-up steps.

A)

B)

PACS

Step into the future with Safetrust Mobile Access.

SABRE RELAY SA350
FCC ID: 2ANI5SA350
IC ID: 23133-SA350

safetrust.com
Made in United States

Tech Specs

Description	The SABRE RELAY provides mobility for parking garages, remote buildings and single door offices.
Part Number	8820-000
Hardware	Bluetooth Low Energy 2.400 GHz - 2.4835 GHz
Mobile Operating Systems	Apple iOS 9.0 or later and Android 4.4 and up on devices with the Safetrust Wallet
Compatibilities	Most popular 125kHz proximity formats from HID®**, Indala®**, AWID®, GE Casi®, and Honeywell®, MIFARE Classic and MIFARE DESFire
Output	Form C relay, Wiegand, RS-485, OSDP v1/v2, OSDP v2 Secure Channel, TTL 5V
Ports	USB, Optical Relay 400mA, External 48V 5A relay
Expansion Ports	Reserved for future communication devices
Bluetooth Range	1 ft to 50 ft (.31 to 15 meters)
Communication	802.11b/g/n 2.4 GHz, 802.1x Authentication, TCP/IP
RF Transmit Frequency	2.4 GHz - 2.48 GHz
IoT Protocol	MQTT (ISO/IEC PRF 20922)
Power Requirements	12 V DC
Power Consumption	Wi-Fi 2 - 50 mA, BLE 2 - 15 mA
Dimensions	65mm x 30mm x 12mm
Encryption	Hardware secure element EAL 6+, AES 256, ECC, TLS, x.509, OSDP v2 SC
Certifications	FCC, CE, RCM, IC
Warranty	2 Years (limited warranty, review warranty for complete details)

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