

## POWER RELAY

RELAY



Power Relay is a smart solution for remotely controlling and monitoring the power of electrical devices via the ProSAFE app, supporting a power supply of 100 to 240V AC. Featuring a NO/NC (normally open/normally closed contact) relay output that can be configured in bistable mode for continuous energization or de-energization, or in pulse mode, where the relay energizes only for a preset period. This flexibility allows the Power Relay to conveniently control a wide range of devices and components.



### 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 1200 m

Stable and efficient communication with 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.



### Power Metering Functions

With its integrated electricity meter, the device can display the energy consumption of connected electrical appliances.



### 100-240 V AC, 50/60 Hz

A smart solution for remote control of electrical devices via the ProSAFE app with power supply from 100 to 240 V AC.



### Electrical Equipment Automation and Control Scenarios

Actions can be programmed to respond to alarm events or operate according to a predefined schedule.



### Firmware Update via Cloud Services

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



### Protection Against Overvoltage and Overheating

The Power Relay is equipped with advanced overvoltage and overtemperature protection.



### Relay Control Using the ProSAFE Mobile App

The Power Relay closes/opens an electrical circuit allowing users to control power remotely through the ProSAFE app.



### 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 Power Relay is simple with the ProSAFE app. Just scan the device's unique QR code and configure the required functions.



### Installation in a Flush-Mounted box or on a DIN rail

Thanks to its compact design, the device can be easily installed in a standard flush-mounted box or mounted on a DIN rail using the SAFE DIN Holder.

# Technical Specifications - Power Relay

## Model Identification

|            |                                   |
|------------|-----------------------------------|
| SAFE 38186 | White<br>EAN code - 0728204234884 |
|------------|-----------------------------------|

## Interface

|              |                                      |
|--------------|--------------------------------------|
| Indication   | 1× green LED                         |
| Button       | 1× power button                      |
| Relay Output | 1× NO/NC (100 – 240 V AC, max. 13 A) |

## Function

|               |                           |
|---------------|---------------------------|
| Remote Update | Yes (Cloud)               |
| Search        | Signal strength detection |

## 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)                          |

## General

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Power Supply          | 100 – 240 V AC, 50 / 60 Hz                                      |
| Operating Temperature | -10 °C to +55 °C (+14 °F to +131 °F) (indoors)                  |
| Operating Humidity    | 10 % to 90 % (RH)                                               |
| Product Dimensions    | 39 mm × 33 mm × 19 mm (1.54" × 1.30" × 0.75") (L × W × H)       |
| Package Dimensions    | 95.0 mm × 59.5 mm × 30.5 mm (3.74" × 2.34" × 1.20") (L × W × H) |
| Weight (net)          | 45 g (0.10 lb)                                                  |
| Weight (gross)        | 60 g (0.13 lb)                                                  |
| Installation          | Wall mounting, into the installation box                        |
| Housing Material      | PC + ABS                                                        |
| Compatibility         | Hub 2 Plus LTE SAFE 38300                                       |
| Compliance            | CE                                                              |
| Warranty              | 36 months                                                       |

## Power, Intelligence and Modularity

Power Relay is a smart solution for remote control and power metering of electrical equipment via the ProSAFE app. Its main advantage is its extensive modularity, enabling convenient control of a wide range of devices - from electrical sockets, lighting and fans, heaters and household appliances to rolling gates, pumps and other components within security and automation systems.

## Automation and Metering of Electrical Equipment

The input terminals of the Power Relay connect to the mains and the output terminals connect to the controlled device such as an electrical outlet or equipment. The Power Relay opens or closes the electrical circuit to control power, either via commands from the user through the ProSAFE app or automatically according to a predefined automation scenario. With its built-in electricity meter, the Power Relay also displays the energy consumption of connected devices.

## Wireless Control and Automation

Using scenarios, actions can be programmed into automation devices such as Power Relay, Dry Relay, or Socket to respond to alarm events, Button presses or operate according to a predefined schedule. Scenarios can be created and configured remotely directly via the ProSAFE App. This makes the device ideal not only for alarm installations but also for fully integrating the SAFE alarm system into a smart home or building automation setups, providing secure wireless control of 100 - 240V AC powered devices via relays.

## Smart and safe

A secure connection to the central unit of the SAFE alarm system is ensured through the encrypted SAFE Keeper communication protocol. Additionally, the Power Relay supports convenient cloud-based firmware updates and features advanced overvoltage and overtemperature protection.

