

DRY RELAY

RELAY



Dry Relay is a modern wireless relay with potential-free output, designed for convenient and safe remote control of electrical equipment and appliances with power supply in the range of 7 to 24 V DC. Thanks to the relay output type NO/NC (normally open/normally closed contact), which is galvanically isolated from the power supply circuit, maximum safety and universal use („dry contact“) is ensured. The output can be easily configured either in bistable mode for permanent switching on or off, or in pulse mode, where the relay switches only for a preset time.



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.



Adjustable NC/NO Relay Output Contact

The control of the contacts is based on the user's instruction via the ProSAFE application, or completely automatically following the automation scenario.



Power Supply 7-24 V DC

A smart solution for remote control of electrical equipment via the ProSAFE app with low voltage between 7 and 24 V DC.



Scenarios for Automation and Control of el. Equipment

Using scenarios, actions can be programmed to respond to alarm events or to operate according to a pre-set schedule.



Firmware Update via Cloud Services

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



Protection Against Overvoltage and Overheating

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



Relay Control Using the ProSAFE Mobile App

The Dry Relay closes/opens an electrical circuit and controls power by commanding the user of the security system via 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 Dry 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 miniature size, it can be easily placed in a standard installation box or simply mounted on a DIN rail using the SAFE DIN Holder.

Technical Specifications - Dry Relay

Model Identification

SAFE 38184	White EAN code - 0728204234877
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Interface

Indication	1× green LED
Button	1× power button
Alarm Input	1× tamper, NO/NC
Relay Output	1× NO/NC (0 – 36 V DC, max. 5 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	7 – 24 V DC
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

Discover the Smart Home and Security Module!

The Dry Relay stands out for its versatility and opens up a wide range of applications - whether you need to control electric locks, deadbolts, lighting or other devices within an alarm or automation systems. Dry Relay therefore provides maximum flexibility and easy integration into your system.

Dry Relay: The Key to Automation

The Dry Relay is equipped with dry, i.e. potential-free, contacts that are not galvanically connected to the device itself. As a result, the Dry Relay can reliably simulate the function of a button, switch or other control elements in electrical circuits with different voltages - for example, in sirens, electric valves or electromagnetic locks. The control of the contacts is either directly based on the user's instruction via the ProSAFE app, or fully automatically according to a pre-set automation scenario.

Wireless Control and Automation

Using scenarios, actions of automation devices such as Dry Relay or also Power Relay and Socket can be programmed to react to alarm events, push button actuation or operate according to a pre-set schedule. Scenarios can be created and configured remotely in the ProSAFE App. This makes the device ideal not only for alarm installations, but also offers the possibility of fully integrating the SAFE alarm system into smart home or building automation - for applications requiring secure wireless control of devices powered by low voltage 7 to 24 V DC via relays.

Smart and Safe

Secure connection with the SAFE security system central unit is guaranteed thanks to the encrypted SAFE Keeper communication protocol. The Dry Relay device also supports convenient cloud firmware updates and is equipped with advanced protection against overvoltage and overheating.

