

frogblue Relay

frogRelay2-2-PF
R2-2-PF.01

2-channel relay switch

Intended use

Multifunctional 2-channel relay switch with potential-free outputs. With 2 inputs to monitor buttons and switches (110-240 V~).
With comfort and timer functions.

For installation in flush-mounted box according to DIN 49073. (For installation behind a switch insert a flush-mounted box depth of minimum 53 mm is necessary, otherwise single mounting is required).

Safety information

Electrical equipment may only be installed and fitted by qualified electricians.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards!

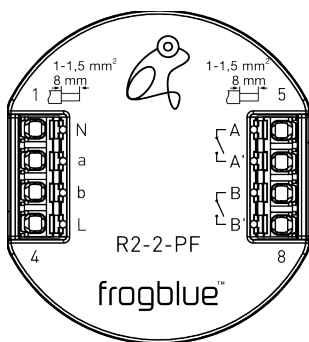
Danger of electric shock. Before starting work on the device or replacing light sources, disconnect the power supply and switch off the circuit breakers.

If a SELV voltage is connected to an output (A or B) the other output (B or A) is allowed maximum SLEV voltage, too.

Country-specific regulations must be observed.

These instructions are an integral part of the product and must remain with the end customer.

Device setup



- L/N: Mains supply connection
A/A': Potential-free contact 1
B/B': Potential-free contact 2
a: Input 1
b: Input 2

Function

System information

This device is a product of the frogblue system. Detailed technical expertise obtained through frogblue training sessions is required.

The functionality of the device depends on the software. Detailed information regarding software versions and the respective range of functions can be found on the frogblue website. Technical descriptions, further detailed instructions and information for proper disposal are available in the manual on the frogblue website at all times.

Commissioning and configuration are performed using the frogblue app.

Product characteristics:

- Feedback of the switching state
- Programmable switching behaviour
- Switch-on and switch-off delay
- Outputs are interlocked with each other in motor mode (configuration is performed using the frogblue app)
- Power supply via mains power cable, no additional cabling required between frogblue modules

Information for qualified electricians

Fitting and electrical connection



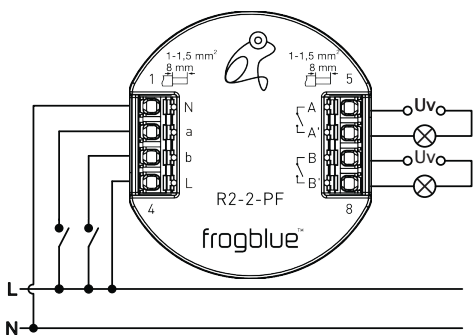
DANGER!

Electric shock if live parts are touched.

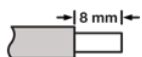
Electric shocks can be fatal.

Before working on the device, disconnect the power supply and cover live parts in the working environment.

Connecting and installing the device

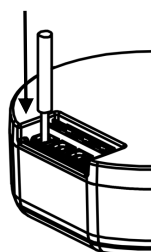


Stripping length



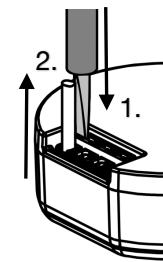
Ø 1 ... 1,5 mm²; rigid conductors recommended

Connecting wires



push conductor completely in terminal

Disconnecting wires



1. push and hold release button with screwdriver (size 3)
2. pull wire

repeat the process with each wire

Factory default input function

Input		Output	
a	brief activation	A	toggle
b	brief activation	B	toggle

Technical data

Rated voltage AC 110-240 V~
Mains frequency 50 / 60 Hz

Bluetooth Bluetooth 4.2 Low Energy

Frequency range 2400 MHz – 2483.5 MHz, max. -0.2 dBm

Inputs 2, 110-240 V~

Ambient temperature -25 ... +55 °C
Storage/transport temperature -25 ... +70 °C

Output 2; potential-free

U_v (resistive load)
max. 6 A / 30 V DC
max. 2,5 A / 50 V DC
max. 6 A / 110-240 V AC

U_v (inductive load @ cosφ=0,4)
max. 3 A / 30 V DC
max. 0,8 A / 50 V DC
max. 5 A / 110-240 V AC

Contact type µ, closing contact

Dimensions (LxWxH) 48 x 53 x 21 mm
Connection type Spring plug-in terminal
Mains cable core diameter 1 ... 1.5 mm²

Technical changes reserved.

Further information to products, operating instructions as well as proper disposal are available in our user manual at: www.frogblue.com

Warranty

The warranty is subject to the statutory provisions relating to the specialist retailer.

Declaration of Conformity

Hereby frogblue AG, Luxemburger Str. 6, 67657 Kaiserslautern, declares that this device is in compliance with the essential requirements and other relevant provisions of directive

2014/53/EU Radio Equipment Directive
2011/65/EU RoHS Directive

The declaration of conformity is available at www.frogblue.com