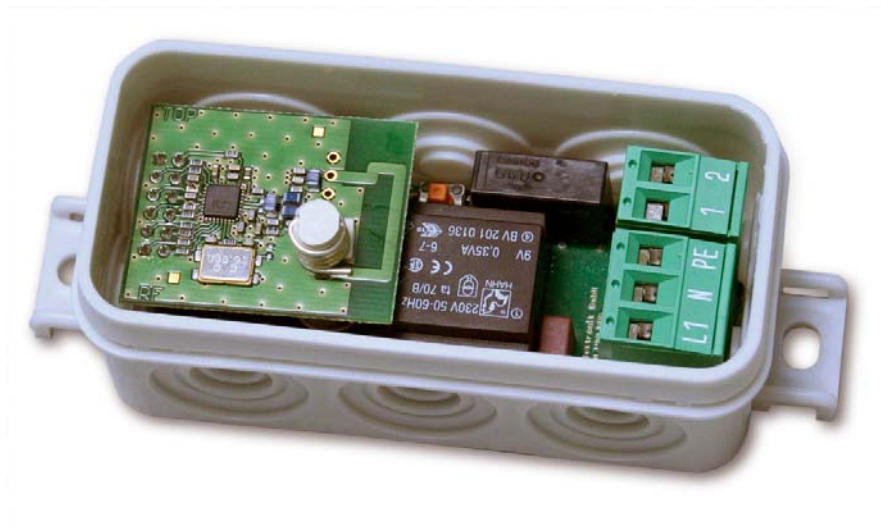


RF Relay

Radio relay for Control Systems WS1000 Color (Version 1.03 onwards), WS1 Color and for Remote Control Remo 8



Technical specifications and installation instructions

elsner
elektronik

Elsner Elektronik GmbH Control and Automation Technology
Herdweg 7 • D-75391 Gechingen • Germany
Tel.: +49 (0) 70 56/93 97-0 • Fax: +49 (0) 70 56/93 97-20
info@elsner-elektronik.de • www.elsner-elektronik.de

Product description

The RF Relay is a radio relay with a NO contactor. This is used with the WS1000 Color or WS1 Color Control Systems or directly with the Remo 8 Remote Control.

If the RF Relay is used with a WS1000 Color or WS1 Color, it can be configured in the control system menu as "Light", "Gutter heating" or as a relay (On/Off). This provides automatic functions for lights and gutter heating. Motors (such as for indoor fountains or pond pumps) can be switched on and off manually using the control system.

Functions:

- 1 dry relay contact (NO contact)
- Wall-mounted housing with wrap-around lid for mounting in concealed locations

Safety advice

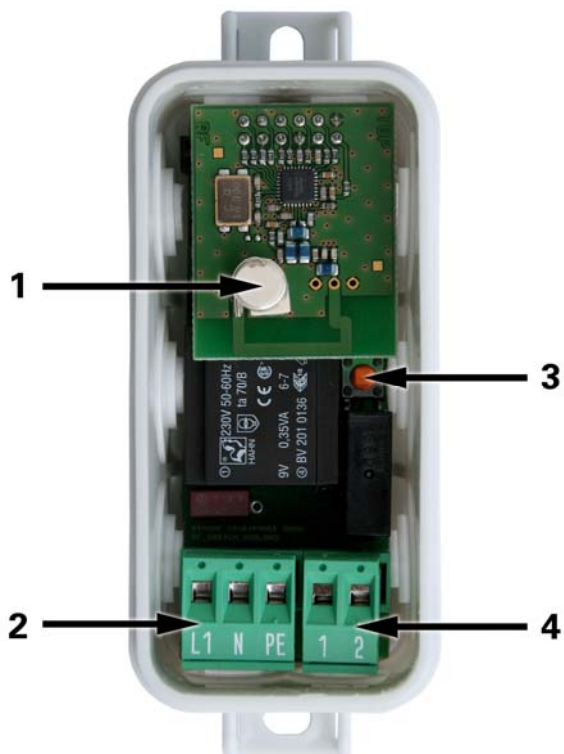
When the wireless connection between the control system and the RF Relay is interrupted, connected devices can no longer be operated. Do not therefore connect devices to the RF Relay which can be hazardous to human life!



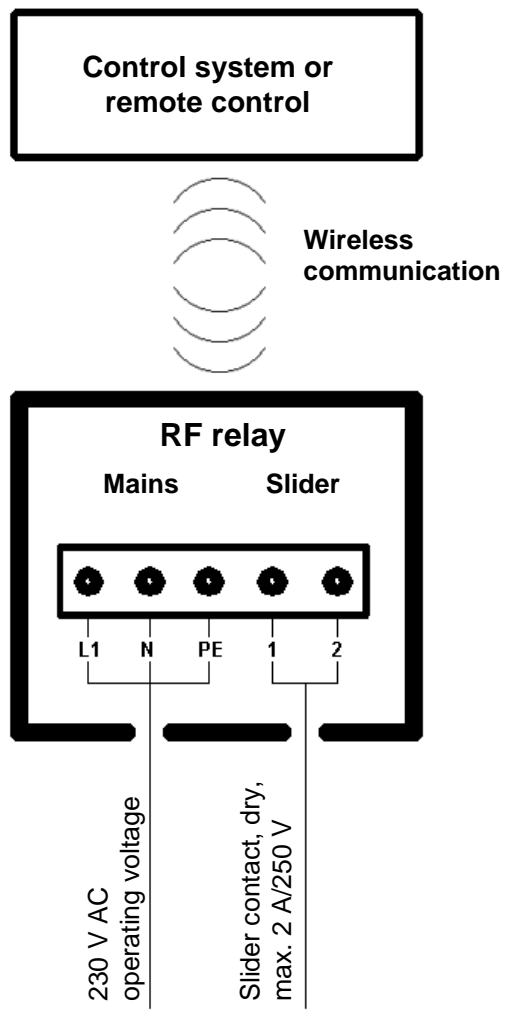
Technical specifications

Housing:	Plastic
Colour:	Grey
Installation:	Surface-mounted
Protection rating:	IP 54
Dimensions:	approx. 89 x 43 x 37 (W x H x D, mm, without attachments)
Weight:	approx. 85 g
Ambient temperature:	Operating -10...+60°C, Storage -55...+90°C
Operating voltage:	230 V AC
Output:	dry contact, max. 2 A / 250 V capacity
Transmission frequency:	868.2 MHz

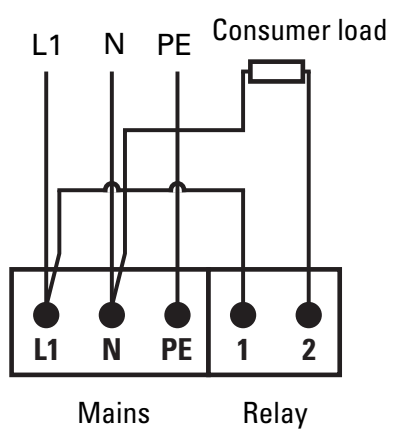
Circuit board construction and wiring diagram



- 1 Antenna
- 2 Power supply 230 V AC (L1 / N / PE)
- 3 PRG button for configuring wireless connection
- 4 Relay contact (NO), dry (1 / 2)



Wiring example



Establishing a wireless connection

As the programming key for learning the radio connection is inside the RF Relay, learning should only be performed by a trained electrician.



After connecting the device to the RF Relay, the wireless connection to the control system or remote control is set using the small button in the RF Relay. For this purpose switch the control to teaching mode (please take note of the manual of the control system or instruction of the remote control). Then press the PRG button inside the RF Relay (see figure above No. 3) to establish the radio connection.

Installation instructions

**Warning, mains voltage!
National legal regulations are to be observed.**



Installation, testing, commissioning and fault repair of the RF relay may only be carried out by a qualified electrician. Switch off the voltage to all cables to be fitted and take safety precautions against unintended activation.

The RF Relay is intended exclusively for appropriate use. Any improper alteration or non-observance of the operating instructions will void any warranty or guarantee claim. After unpacking, the unit must be checked immediately for any possible mechanical damage. The supplier shall be immediately notified in the event of any transport damage.

The RF relay must not be used if damaged.



If it is assumed that danger-free operation can no longer be guaranteed, the device must be taken out of service and secured against unintended operation.

The RF relay may only be operated as a fixed installation, meaning in a built-in condition and upon completion of all installation and commissioning work, and solely in its intended environment.

Elsner Elektronik shall not be liable for any changes to norms or standards after the publication of these operating instructions.