



Relay Module RMR 4
Installation instructions

Table of contents

General	3
Installation.....	4
Putting into Operation.....	4
Connection of RMR 4	5
Technical Data.	6
Manufacturer Declaration.....	7
Service.....	8
Guarantee.	8

General

The relay module RMR 4 is an additional module for the TCR/TCR Alarm and can be used for switching electrical devices.

The RMR 4 is for mounting on a DIN-rail (4 module width).

The inputs are protected against reversed polarity. In order to use the module universally, the control circuits are galvanically separated, there is no common plus- or minus-connection.

The control voltage of the 4 relays is 12 V DC or 24 V DC. An additional power supply is not necessary.

The load contacts are make-contacts.

The four relays have a monostable behavior, which means that the load contacts are closed as long as the control voltage is supplied. The switching state of the four relays will be indicated with a green LED.

Installation

The mounting and installation of the RMR 4 must be performed by a qualified electrician.

In order to fulfill the general safety regulations for telecommunications systems and to avoid disturbances, the DIN VDE 0100 part 520, respectively, the prEN 50174-2:1998, section 5.4 and 5.5 must be taken into account:

A physical separation or suitable partition wall must be provided (clearance or shielding).

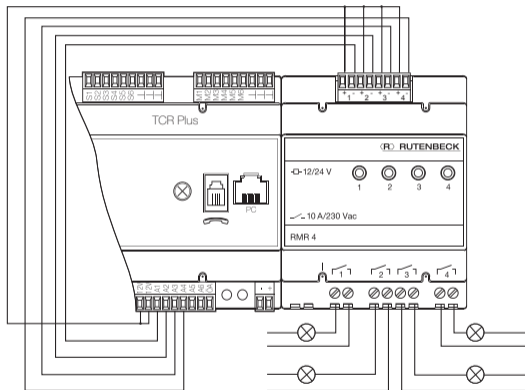
Putting into Operation

- 1 Connect the RMR 4 at the screw terminals through an installation cable with "+" and "-" with the TCR/TCR Alarm (see page 5).

The upper terminal block can be pulled out for easier connection of the wires.

- 2 The wiring for the devices must be carried out according to the diagram on page 5.

Connection of RMR 4



Technical Data

Inputs:

Voltage range: 12 to 24 V DC (nominal values)
11 to 28 V DC (limit values)

Power consumption of each input: 32 mA at 12 V
40 mA at 24 V

Outputs: 10 A at 230 V AC (real load)

Operating elements: 4 LEDs

Dimensions L x B x H (mm): 72 x 90 x 65 mm (4 module width)

Weight: 270 g

Color: light grey (similar RAL 7035)

Temperature range

Operation: -5 to 45 °C

Storage: -25 to 70 °C

Protection class: IP20 according to EN 60 529

Class: II

Guarantee

We guarantee the perfect function of the **RMR 4** for 2 years after date of purchase (receipt) providing that it was professionally installed and operated.

Service

In case of a malfunction, consult your dealer or send the device with receipt and a short description of the malfunction with appropriate postage to:

**Rutenbeck Service-Center
Gewerbegebiet
Im Meilesfelde 5
99819 Marksuhl
Germany**

Tel: +49 369 25 90091

Fax: +49 369 25 90092

Manufacturer's Declaration

We, Wilhelm Rutenbeck GmbH & Co. KG declare in our sole responsibility, that the RMR 4 was manufactured under a full quality assurance system and that the mentioned equipment is in compliance with the essential requirements and provisions of the directives 2004/108/EG und 2006/95/EG.

The complete declaration of conformity can be found under www.rutenbeck.de in the download-sector.



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