

## Remote switching device TCR IP 4

The TCR IP 4 allows the switching of electrical devices via the TCP/IP-network. The device is located in a housing for mounting on a DIN-rail.

The TCR IP 4 can be switched from all computers of the same network with their web browser by IP-address 192.168.0.2.

A local operation is possible with the built-in or external connected push-buttons. The actual switching state of an output is indicated by a LED located at the push-button for switching.

The TCR IP 4 has an integrated time switching function. For each switching output, up to 4 switching on and 4 switching off times can be selected. With a web browser it is possible to display the actual temperature at connected temperature sensor as well as the settings of the network characteristics and the time switch.

The TCR IP 4 can also be operated from the Internet if there is a fixed IP-address or a DNS-server for the translation of the dynamic IP in a host name provided. The TCR IP 4 can also be operated from a mobile phone, if this supports JavaScript. The TCR IP 4 will be delivered with a CD, which contains detailed operating instructions.

### TCR IP 4:

Housing made of PC

Protection class IP20 according to EN 60529

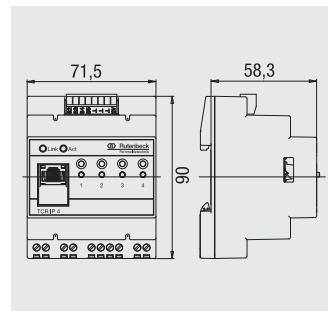


### TCR IP 4 700 802 610

DIN-rail mounting housing 4 TE;  
light grey (similar RAL 7035);  
72 x 90 x 65 mm; 298 g

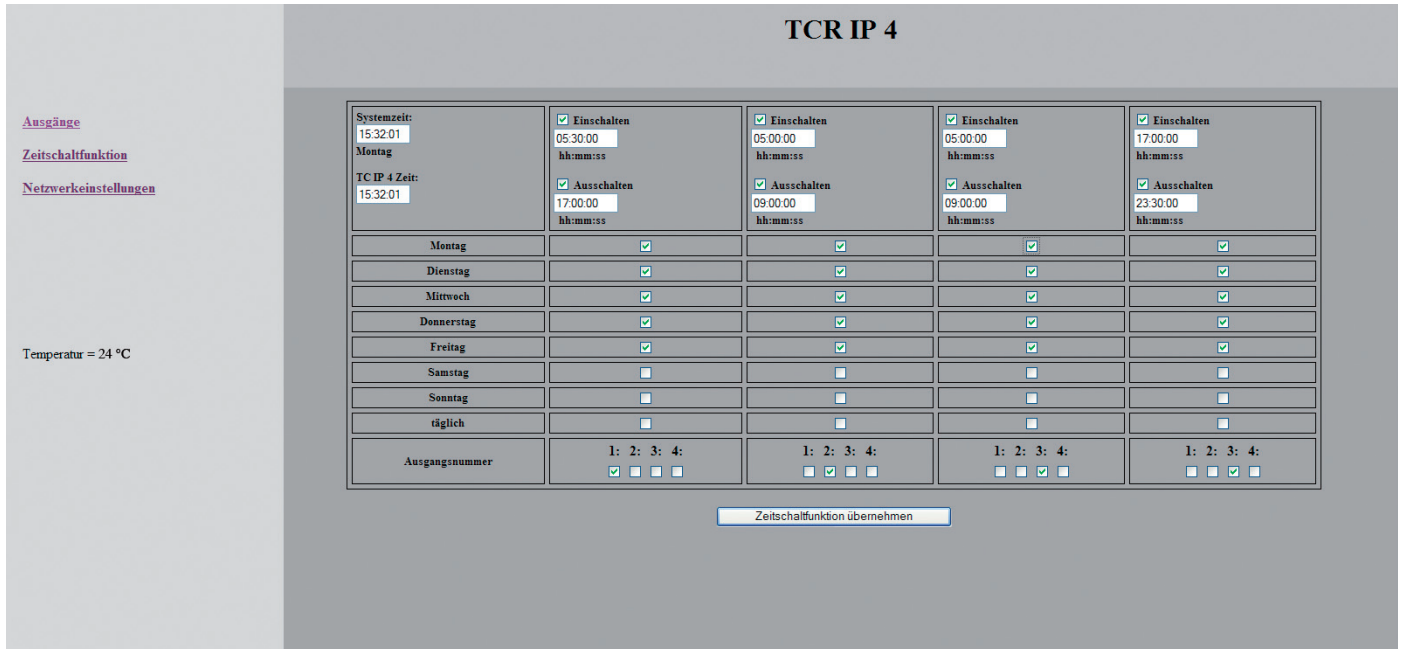
### Leistungsmerkmale

- integrated power supply
- power consumption about 1 W
- 4 switching outputs, potential-free contact max. 10 Amps/230 V
- cross-platform operation with web browser
- indication of the switching state of the switching outputs
- manual allocation of a fixed IP-address or dynamic IP-address via DHCP
- local operation of the switching output by use of the built-in push-buttons or externally connected push-buttons
- access protection through optional passwords
- network connection RJ45
- link-/activity indication for the network connection
- analog input for the connection of a temperature sensor (optional)
- temperature surveillance with web browser, analysis range -25–55 °C, resolution 1 °C
- easy configuration with web browser
- can be resetted to factory settings
- buffering of all settings and time at a power failure
- operation as time switch with 4 switching outputs



### Temperatursensor 700 802 201

Auflösung 1 °C;  
B-Wert 3435 K ± 1 %;  
10 kΩ bei 25 °C;  
schwarz (ähnlich RAL 9005);  
600 mm; 6 g



### Application example

First the TCR IP 4 will be connected with a patch cord to the local network. After this the temperature sensor (optional) will be connected at the screw terminals. After the connection to the 230-V-power supply the TCR IP 4 can be reached with a browser. After entering the address <http://192.168.0.2> the main menu of the TCR IP 4 opens (see picture above). With the button „network configuration“ in the main menu you will access the system settings of TCR IP 4. Here you can enter and modify IP-address and passwords.

The TCR IP 4 has an integrated time switching function. For each switching output, up to 4 switching on and 4 switching off times can be selected. At any on time one switching on time is combined in a group with a switching off time. The days of a week can be allocated to each group.

In the above example the lighting of a company is controlled from a TCR IP 4. The lighting of the hall is connected to the switching output 1 of the TCR IP 4 and will be switched on from Monday to Friday at 5:30 o'clock in the morning and switched off at 17 o'clock. The lighting of the hall is not switched on Saturdays and Sundays, since it will not be worked in the hall on the weekends. Furthermore a temperature sensor is installed in the hall. The temperature in the hall can be checked from the website. At switching output 2 is the lighting of the staircase of the company connected. The staircase lighting will be switched on from Monday to Friday at 5 o'clock in the morning and switched off at 9 o'clock. On the weekends is the staircase lighting switched off.

The lighting of the courtyard is connected to the switching output 3 of the TCR IP 4. The lighting of the courtyard will be switched on from Monday to Friday at 5 o'clock in the morning and switched off at 9 o'clock. In the evening the courtyard lighting will be switched on again at 17 o'clock and switched off at 23:30 o'clock.

The user is also able to switch on the lighting outside the programmed times directly at the push-buttons or through the website. The output can be switched in impulse mode if needed. The on-impulse switches the output on for the selected time. This allows to switch on the lighting for a certain time (i.e. 1 hour). After the hour the lighting is automatically switched off. The light bulb on the website indicates the actual switching state.