TCPRS1+

TCPRS1+, RS-485 / Ethernet converter / Wi-Fi

Code: D80010.

> Protocol: TCP/IP | UDP | Modbus TCP/IP | HTTP (Web server)
> Communications: Ethernet, Wi-Fi

Description

The **TCPRS1+** is a gateway designed to convert a physical environment (RS-485) to Ethernet and/or Wi-Fi. The device features a Web Server and the **"MyConfig Wifi"** app (Android), from which the user can fully edit the configuration parameters of the device.

Other features:

○ The device is for installation inside a medium or low voltage electric panel or enclosure, with DIN rail mounting (IEC 60715).
○ The TCPRS1+ comes with DHCP enabled by default.
○ Connect up to 32 devices on the RS-485 communications bus.

Application

For any installation that has multiple RS-485 communications devices that require monitoring via Wi-Fi or Ethernet.

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Specifications

AC power supply

Installation category	CAT III
Consumption	2 ... 7 VA
Frequency	50 ... 60 Hz
Nominal voltage	100 ... 264 V ~

DC power supply

Installation category	CAT III
Consumption	1,6 ... 2 W
Nominal voltage	120 ... 300 Vdc

Mechanical characteristics

Size (mm) width x height x depth	35 x 109.45 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,192

Environmental characteristics

Protection class	IP30, Front: IP40|IK08
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-20 ... +70 °C
Working temperature	-20 ... +60 °C

Communication Network

Protocol	TCP/IP|UDP|Modbus TCP/IP|HTTP (Web server)-REST
Technology / Type	Ethernet

Standards

Electrical safety, Maximum height (m)	2000
Standards	EN 62368-1:2020/A11:2020/ AC:2020-05, EN 50663: 2017, ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4, ETSI EN 301 893 V2.1.1

User interface

LED	6 LED

Serial communication

Technology / Type	RS-485

Wireless communication

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Technology / Type	Wi-Fi

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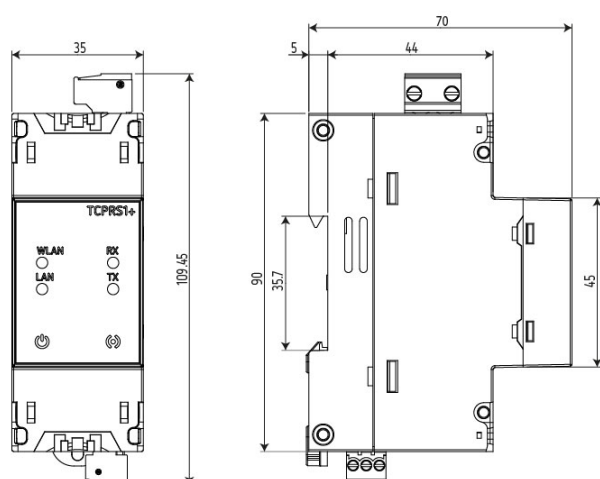| CODE	TYPE	Communications	Protocol
Ethernet			
D80010.	TCPRS1+	RS-485, Ethernet, Wi-Fi	TCP/IP | UDP | Modbus TCP/IP | HTTP (Web server)
D80011.	TCPRS1+PSDC	RS-485, Ethernet, Wi-Fi	TCP |UDP|Modbus TCP|HTTP (Web server)-REST

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Dimensions

Connections