

Line-TCPRS1

Line-TCPRS1, RS-485/RS-232 to Ethernet/Wi-Fi converter (ModbusTCP/TCP/UDP) Integrated web server and mobile app (MyConfig) for configuration,

Code: D80030.

Description

Physical media conversion gateway, designed to connect Modbus RTU devices with Modbus TCP/IP networks. Its compact DIN rail design (3 modules) allows for easy installation and adaptability to multiple environments. Each gateway can manage up to 32 locally connected Modbus RTU devices and supports direct interconnection with modules from the Line range via the lateral bus, eliminating the need for additional communication bus cabling. It also includes RS-485 and RS-232 terminals to connect external equipment outside the Line range, providing maximum flexibility for integration. They offer features such as:

- Ethernet/Wi-Fi communication for Modbus TCP/IP.
- Serial RS-232/RS-485 communication for Modbus RTU.
- Connects up to 8 devices via the Line bus through the lateral bus without additional cabling.
- Integrated web server with and intuitive and user-friendly interface for advanced Wi-Fi settings.
- Compatible with the MyConfig app, for fast and easy set-up.

Application

Thanks to its direct conversion between Modbus RTU and Modbus TCP/IP, these gateways are ideal for integration projects involving RS-485 communication devices that need to be monitored or controlled over Ethernet or Wi-Fi networks. Typical applications include:

- Modular integration with Line range devices for centralised control and monitoring solutions.
- Automation of utility infrastructures through PLC or BMS integration.
- Monitoring and control of Modbus RTU devices from cloud platforms or centralised supervision systems.
- Modernisation of existing installations by adding TCP/IP connectivity without modifying RS-232/RS-485 cabling.



Line-TCPRS1

Modbus RTU to Modbus TCP/IP conversion gateway

Code: D80030.

Specifications

AC power supply

Installation category	CAT III 300V
Consumption	3,5 ... 7,5 VA
Frequency	50 ... 60 Hz
Nominal voltage	100 ... 264 V ~

DC power supply

Consumption	2 ... 2,5 W
Nominal voltage	100 ... 300 Vdc

Mechanical characteristics

Size (mm) width x height x depth	52.5 x 117.85 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail (IEC 60715)
Weight (kg)	0,192

Environmental characteristics

Protection class	IP30, Front: IP40
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-20 ... +70 °C
Working temperature	-10 ... +50 °C

Communication Network

Technology / Interface	Ethernet

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Standards	UNE-EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4

User interface

LED	7 LED

Wireless communication

Technology / Type	Wi-Fi

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Modbus RTU to Modbus TCP/IP conversion gateway

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CODE	TYPE	Description
Ethernet converter		
D80030.	Line-TCPRS1	RS-485/RS-232 to Ethernet/Wi-Fi converter (ModbusTCP/TCP/UDP) Integrated web server and mobile app (MyConfig) for configuration

Line-TCPRS1: Power supply 100... 264 VAC/100... 300 VDC

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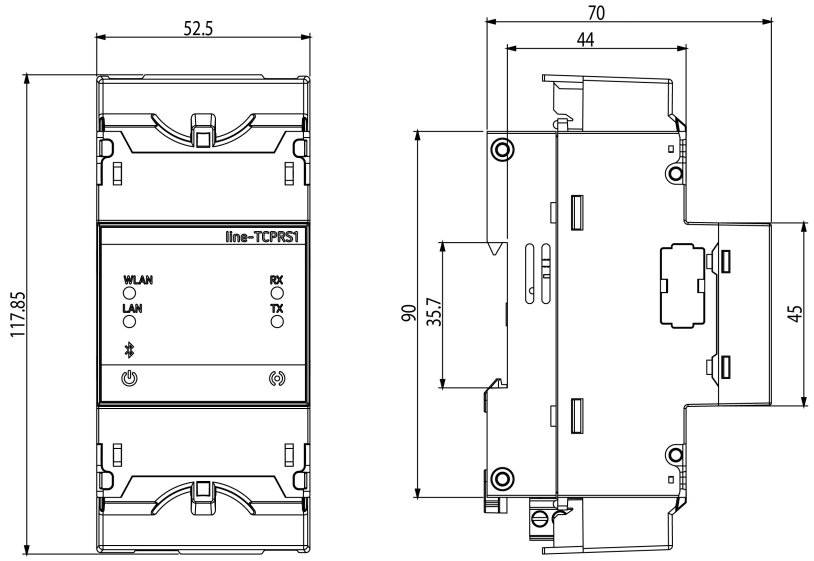


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Dimensions



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