

Line-TCPRS1

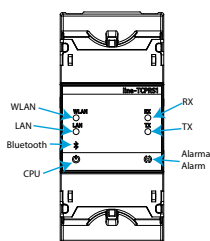
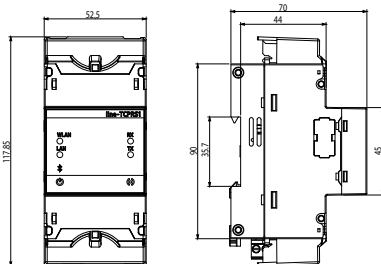
RS-232/RS-485 to Ethernet and/ or Wi-Fi (TCP/IP) converter



Download the MyConfig app for free:



Dimensions



Description

The line-TCPRS1 is a gateway designed to convert an RS-485 or RS-232 physical environment to Ethernet and/or Wi-Fi. The device features a Web Server and the MyConfig app (Android) that uses Bluetooth® connectivity, from which the user can fully edit the configuration parameters of the device. The device can be connected via the side bus to the devices of the line range, without the need to cable the communications bus, making it much easier to install. It also has RS-485 and RS-232 communication terminals so that it can be simultaneously connected to other devices not in the line range.

Installation

- The device is for installation inside an electric panel or enclosure, with DIN rail mounting (IEC 60715).
- The line-TCPRS1 comes with DHCP enabled by default.
- Connect up to 8 devices on the line bus, and up to 32 devices on the RS-485 communications bus.

Technical specifications

AC power supply	Nominal voltage	80... 264 V~
	Frequency	50... 60 Hz
	Consumption	3.5 ... 7.5 VA
	Installation category	Cat III 300V
DC Power supply	Nominal voltage	100... 300 V ---
	Consumption	2... 2.5 W
	Installation category	Cat III 300V
Interface RS-485/RS-232	Fieldbus	RS-485/RS-232
	Speed	4800 - 9600 - 19200 - 38400 - 57600 - 115200 bps
	Data bits	7-8
	Stop bits	1 - 2
	Parity	none-even-odd
	Ethernet interface	Type
RJ45 Connector		
Protocol		TCP - UDP - Modbus TCP - HTTP (Web server) - REST
Type of network connection		DHCP ON/OFF (ON by default)
Wi-Fi communications	Band	2.4 GHz (Range: 2.4 ... 2.5 GHz)
	Standards	IEEE 802.11b/g, IEEE 802.11n (up to 150 Mbps)
	Maximum output power	IEEE 802.11 b: 20 dBm/IEEE 802.11 n: 14 dBm
Bluetooth® Communications	Protocols	Bluetooth® v4.2 BR/EDR and BLE specification
	Radio	NZIF receiver with -97 dBm sensitivity
		Class-1, class-2 and class-3 transmitter Adaptive Frequency Hopping (AFH)
		Receiver Sensitivity @30.8% PER -97 dBm Transmitter RF power control range Min: -12 dBm / Max: +12dBm
Environmental characteristics	Operating temperature	-10°C... +50 °C
	Storage temperature	-20 °C ... +70 °C
	Relative humidity (without condensation)	5 to 95%
	Maximum altitude	2000 m
	Protection rating	IP30, Frontal: IP40
Mechanical characteristics	Dimensions	52.5 x 117.85 x 70 mm
	Weight	170 g.
	Enclosure	Self-extinguishing V0 plastic
	Attachment	DIN rail
Standards	EN 61010-1, EN 61000-6-2, EN 61000-6-4, UL 61010-1	

References

Type	Code	Description
Line-TCPRS1	M62411.	RS-232 or RS-485 (Modbus RTU) to Ethernet and/or Wi-Fi (Modbus TCP) converter