TCP2RS+

TCP2RS+, RS-232/485 Converter / Ethernet Modbus / TCP. Built-in web server and web setup,

Code: D80020.

Description

TCP2RS+ is a gateway for the conversion of the Ethernet physical medium to RS232 or RS485, or vice versa. The unit is fitted with a Web Server, from which the user can fully parametrize the device configuration parameters.

Powerful

TCP2RS+ is a gateway developed entirely in the CIRCUTOR factory, incorporating the latest Ethernet network integration technology with high reliability, stability and robustness of use. TCP2RS+ can work in fixed IP mode, and even in DHCP mode through name identification.

Versatile

TCP2RS+ is designed to work in multiple communication modes by simply selecting the desired option through the configuration Web Server. In master-slave function, the unit's Ethernet port can work in UDP or TCP mode to a configurable port, or in Modbus/TCP to port 502. In addition, the unit has routing functions to develop RS232/485 topologies on existing Ethernet infrastructures.
The selection of the network protocol series (RS232 or RS485) and other network parameters is done through the configuration web site.

Industrial

TCP2RS+ is the only gateway on the market with multi-range power supply and a DIN-type enclosure with as few as 2 modules. Its switching power supply allows you to power the device from 85 to 290 volts in alternating current, and from 120 to 410 volts in direct current.

- Easy IP programming through the IP setup program (Windows)
- Easy access to the configuration Web Server once its IP is known
- RS232 or RS485 interface can be selected through Internet Explorer
- Multiple communications protocols: UDP, TCP, Modbus/TCP or routing functions
- Ethernet connection RJ45 10/100BaseTX
- Connection of up to 32 units on the bus (RS485)
- Compatible with any application on the market (**PowerStudio / PowerStudio SCADA**)

Application

Converting RS-2323 or RS-485 signals to Ethernet or viceversa.

TCP2RS+

RS-232 / RS-485 to Ethernet Modbus converter

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Specifications

AC power supply

Consumption	7,5 VA
Frequency	47 ... 63 Hz
Nominal voltage	85 ... 264 Vca

DC power supply

Nominal voltage	120 ... 300 Vdc

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5 ... 95 %
Working temperature	-10 ... +60 °C

Mechanical characteristics

Envelope	Plastic UL 94 - V0 self-extinguishing
Weight (kg)	0,109

Standards

Certifications	CE
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III, IEC 61010
Standards	IEC 60664, VDE 0110, UL 94, UNE-EN 61010-1, UNE-EN 55011, UNE-EN 61000-4-2, UNE-EN 61000-4-3, UNE-EN 61000-4-11, UNE-EN 61000-6-4, UNE-EN 61000-6-2, UNE-EN 61000-6-1, UNE-EN 61000-6-3, UNE-EN 61000-4-5

Communication Network

Protocol	TCP / UDP / Modbus/TCP - HTTP
Technology / Interface	Ethernet

Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)

User interface

LED	Diagnostic: Power / RX / TX / FULL/HALF (Ethernet)/ ACTIVITY / 10M/100M / LINK

Serial communication

Technology / Type	RS-232/RS-485

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RS-232 / RS-485 to Ethernet Modbus converter

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TCP2RS+
RS-232/485 Converter / Ethernet Modbus/TCP. Built-in web server und Web set-up

CODE	TYPE	Description
Ethernet		
D80020.	TCP2RS+	RS-232/485 Converter / Ethernet Modbus/TCP. Built-in web server and web set-up

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