



## TCP2RS+

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

Code: M54033.

### 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

Code: M54033.

### 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
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#### 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
Cable gauge at power supply terminals	1 mm <sup>2</sup> (min)
Weight (kg)	0,109

#### Standards

Certifications	CE, UL, VDE
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

#### Communications

Data bits	7-8
Stop bits (ModBus)	1 / 2
Connector	RS-485 / RS-232 RJ-45
Parity	without, even, odd
Protocol	TCP / UDP / Modbus/TCP - HTTP
Speed	4800 ... 115200
Connection mechanism	Ethernet 10BaseT / 100BaseTX autodetectable

#### Electrical safety

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



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LED

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

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