

# Energy Management Accessories Type SIU TCP 2

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- Virtual COM port serial device server
- RS485 (2/4 wires) serial port available
- Auto detecting 10/100 Mbps Ethernet interface
- Real COM drivers for Windows
- Easy-to-use configuration software suite
- Cigarette pack size
- Wall and DIN-rail mounting
- Built-in default key to restore factory default settings

## Product Description

The SIU TCP2 is a gateway between Ethernet TCP/IP and RS485/RS422 serial communications. Data coming from the Ethernet (TCP/IP) is sent to the designated RS485/RS422 port and data being received from RS485/RS422 port is

sent to the Ethernet (TCP/IP) transparently. With the SIU TCP2 it is possible to communicate with a remote device both in the Intranet and Internet environment so the communication distance is increased. You can configure SIU TCP2 as a

## How to order

### SIU TCP 2

Model

Power supply adapter

TCP server or as a TCP client. Although it connects through the virtual link of Ethernet, the port on SIU TCP2 is recognised as a real COM port by Windows.

SIU TCP2 is supplied with an utility program (Serial Manager) providing a simple step-by-step installation allowing to configure the network parameters of SIU TCP2.

## Supply specification

DC supply	9 to 30VDC
Power-on indication	LED
Power consumption	300mA @ 9V (max) 2,8 Watt max

AC/DC power supply adapter	Not Included (see type selection) on request on request
AD5V1A (US): American adapter	
AD5V1A (EU): European adapter	

## Input/Output specifications

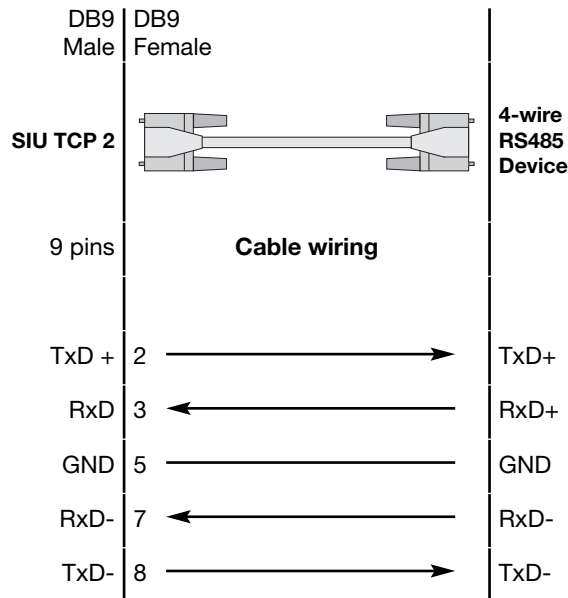
<b>LAN</b> Ethernet Connector "Link" indication Off: Blinking with green: Protection Ports	10/100 Mbps RJ45 LED Ethernet disconnected Data is transmitting on Ethernet for 100Mbps Built-in 1.5kV magnetic isolation TCP port 23 (Telnet) TCP port 4000 (firmware updating) TCP ports 950 and 966 (hostbased/driver mode) UDP port 1029 (broadcast, monitor, real COM installer)	RS485 (2/4-wires) signals Protection <b>Serial communication parameter</b> Parity Data Bits Stop Bits Flow control Baud rate <b>Nodes and max distance</b> 1 unit load <b>Protocols</b> <b>Windows compatibility</b> <b>Run LED</b>	Data+, Data-, GND 15kV ESD for all signals None, even, odd, space, mark 7, 8 1, 2 RTS/CTS, XON/XOFF, NONE, DTR/DSR 1200bps to 230kbps up to 32 (1000m) TCP/IP, UDP, SNMP, HTTP, Telnet, ARP, BOOTP, DHCP, ICMP Windows, XP, Vista Red LED ON: jumper JP1 pin1 and pin2 are shorted to disable. ΔP firmware running Blinking (rate 0.5sec): ΔP firmware is running normally.
	<b>Serial COM</b> Blinking with Orange: Connector "Ready" indication	Data is transmitting on Ethernet for 10Mbps Male DB9 LED, green Off: no data is transmitting on COM port, Blinking: data is transmitting on COM port.	



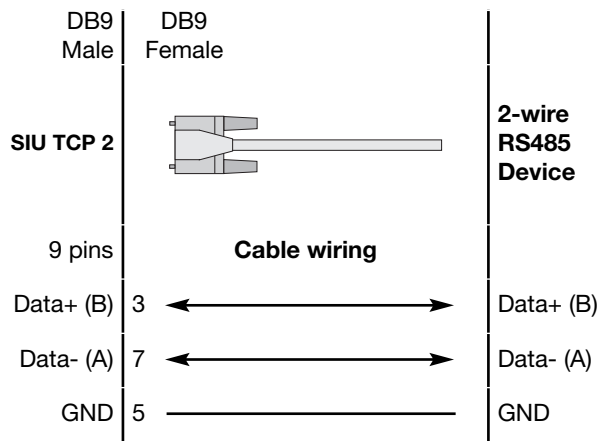
General specifications

Operating temperature	0°C to +60°C (32°F to 140°F) 5 to 95% RH (non-condensing)	Housing Dimensions (LxWxH) Material	65 x 78 x 28mm Varnished over iron
Storage temperature	-20°C to +70°C (-4°F to 158°F) 20% to 90% RH (non-condensing)	Protection degree Weight	IP30 Approx. 363 g (packing included)
EMC Immunity emissions	EN61000-6-1 EN61000-6-4	Standard accessories	DIN-rail mounting kit 9-pole serial cable Configuration software Hardware and software manuals. Quick installation guide
Standard compliance Safety Medical	EN60950 EN55022, class A		
Approvals	CE		

Wiring diagrams



4-wire RS485 Wiring Fig. 1

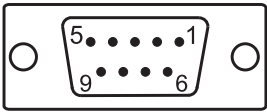


2-wire RS485 wiring Fig. 2

Pin Assignment

PIN	RS232	RS485 (2W)
1	DCD	-----
2	TxD	-----
3	RxD	Data+ (B)
4	DSR	Data- (A)
5	GND	GND
6	DTR	-----
7	CTS	-----
8	RTS	-----
9	-----	-----

Note: the table is referred to the SIU TCP2 side of the 9-pole connector.



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