TROVIS 5500 Automation System
TROVIS 5590 Web Module

Application

Communication over TCP/IP network (internet/intranet) with TROVIS 5400 and 5500 Automation Systems as well as the TROVIS 6495-2 Industrial Controller

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The web module allows the visualization of data from smart controllers in the TROVIS 5400 and 5500 Automation Systems as well as the TROVIS 6495-2 Industrial Controller using the TCP/IP protocol. The plant schematics, relevant control parameters and time schedules of a connected controller can be viewed in a web browser.

Data from connected controllers are saved cyclically in the web module and can be displayed as trend graphs. An alarm management handles incoming fault alarms and sends event-triggered e-mails to max. four e-mail addresses.

Communication to Modbus devices is established either over RS-232 or RS-485 (2-wire/4-wire). There are two Modbus communications interfaces to allow two controllers to communicate with the web module over the RS-232 interface or a group of controllers to communicate with the web module over the RS-485 interface and an additional controller to communicate with the web module over the RS-232 interface. The number of controllers that can be connected is restricted by the maximum number of plant schematics (4) and the number of maximum data points (256).

Special features

- Visualization and operation using a web browser
- Data logging (trend graphs and function to export data as CSV files)
- Alarm management including e-mail notification
- Four configurable user levels
- High password security (MD5 transmission)
- Ethernet interface 10/100 Mbit
- RS-232 for configuration
- RS-232, RS-485 (2-wire/4-wire) Modbus RTU
- 5573, TTL connection to individual controllers, e.g. TROVIS 5573 or 5578
- Processing of max. six heat meters
- Dynamic DNS-supported internet connection
- LEDs for Power, TxD, RxD, 5573
- Mounting on a 35 mm top-hat rail according to DIN EN 50022
- Voltage supply 230 V AC, 50/60 Hz

Fig. 1: *TROVIS 5590 Web Module*

The web module editor software tool is used to create applications for the web module. This tool allows users to configure all functions over intranet/internet and, for example, to alter user access rights and e-mail addresses.

Data Sheet　　　　　　　　　　　　**T 5590 EN**

Technical data

Interfaces		
	Serial interfaces	RS-232
		TTL (maximum cable length: 1 m)
		M-Bus using screw terminal (plug-type)
		RS-232 or RS-485 (2-wire/4-wire)
	Ethernet interface	LAN connection 10/100 MBit
Voltage supply		230 V AC, 50 Hz, max. 3 VA using screw terminals
Transmission rate		2400, 4800, 9600, 19200 bit/s
Terminals		Max. 2.5 mm² or 2 x 1.0 mm² wire cross-section
LEDs		Status indication
		Send and receive data (controller and control station) over TTL connection
		LAN
Permissible ambient temperature		Operation: 0 to 50 °C
		Storage and transport: −10 to 60 °C
Degree of protection		IP 20 according to IEC 60529
Class of protection		II according to VDE 0106
Degree of contamination		2 according to VDE 0110
Overvoltage category		II according to VDE 0110
Humidity rating		F according to VDE 40040
Noise immunity		According to EN 61000-6-1
Noise emission		According to EN 61000-6-3
Housing		Plastic
Weight		Approx. 0.15 kg
Compliance		CE · EHC

Mounting

Mounting on a 35 mm top-hat rail according to DIN EN 50022

Dimensions in mm

Ordering text

TROVIS 5590 Web Module

Scope of delivery

TROVIS 5590 Web Module with RS-232 communication cable

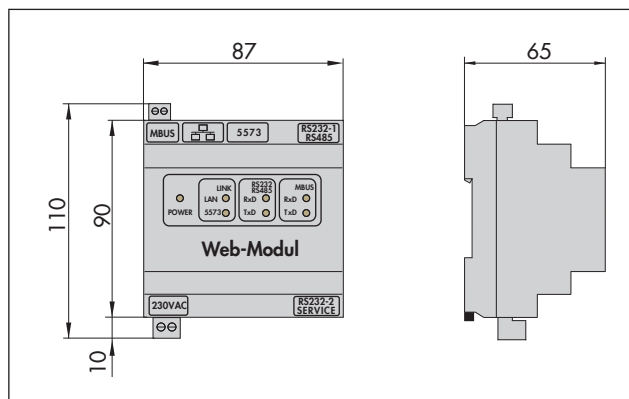Cable for connection over TTL, e.g. to TROVIS 5573 or 5578

Accessories

– Web Module Editor software   Configuration ID 2559750
– RS-232 communication cable, 1 meter   1400-9958
– RS-485 communication cable, 1 Meter   1400-9959
– RS-232 configuration cable, 1 meter   1400-9957
  (enables communication settings to be read without TCP/IP access)

Specifications subject to change without notice