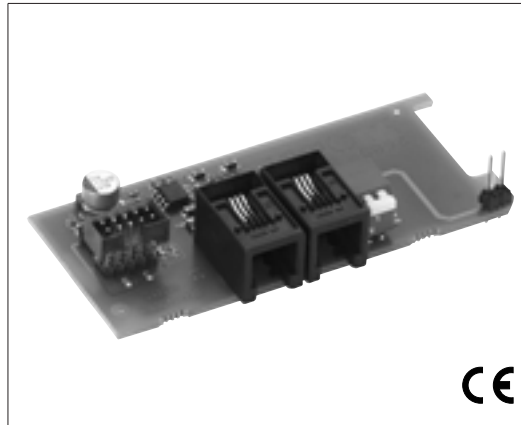


GFX4-MOD

MODBUS RTU SLAVE MODULE



Main characteristics

- Modbus RTU Slave – Modbus RTU Master
- Network address from rotary switches
- RS485 isolated interface
- Baud Rate
- Internal installation

PROFILE

The GFX4-MOD module can be installed inside GFX4/GFXTERMO4 products and expands communication by means of the Modbus RTU protocol.

The module has two communication channels:

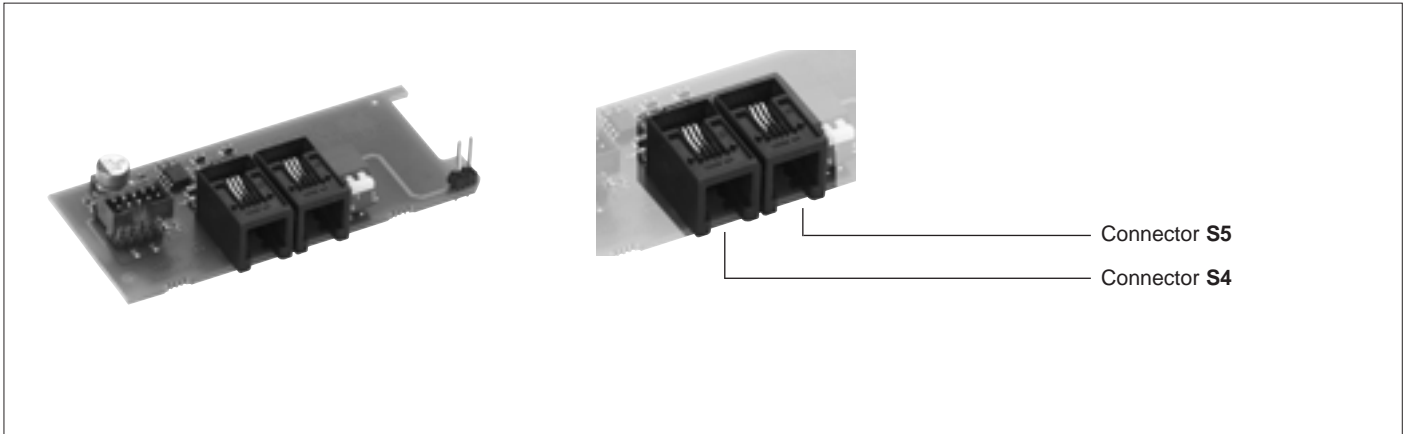
- the first channel is a serial port with Modbus RTU protocol, and connects 32 GFX4/GFXTERMO4 devices (without repeater);
 - the second channel is a serial port with Modbus RTU slave protocol, and lets you connect to a Modbus RTU Master.
- The node address is assigned by means of the two rotary switches (0...99) on the product that houses the module.
- The network Master (typically a PLC) recognizes the slave node by means of this address.
- The slave node recognized by the Master consists of the GFX4/GFXTERMO4 that houses the module plus the GFX4/GFXTERMO4 products connected to the Modbus serial port.
- The expansion can be installed when the above-mentioned products are ordered or at a later date.

TECHNICAL DATA

Modbus port	
Protocol	Modbus RTU (master) RS485 serial type, 1500V isolation
Function	Connects GFX4/GFXTERMO4 to Modbus RTU network
Baud rate	Settable on GFX4/GFXTERMO4 module (1200...115200)
Connector	RJ10 4-4
General characteristics	
Dimensions	106x56x17mm (H x L x D)
Installation	Inside module
Weight	15g
Power supply	+24V, 0,5VA max. . taken directly from GFX4/GFXTERMO4 module
Working/storage temperature	0...40°C/-20...70°C
Relative humidity	20...85% RH non-condensing
Ambient conditions of use	Internal use, altitude up to 2000m
Installation	Inside modules (see "INSTRUCTION AND WARNING" manu)
Approvals and certifications	See GFX4/GFXTERMO4 modules

ELECTRICAL CONNECTIONS

Connectors / LEDs



Connector S4/S5 RJ10 4-4 pin	Nr. Pin	Name	Description	Note
	1	GND1 (**)	-	(**) Connect the GND signal among Modbus devices with a line distance > 100 m.
	2	Tx/Rx+	Data reception/transmission (A)	
	3	Tx/Rx-	Data reception/transmission (B)	
	4	+V (reserved)	-	
Cable type: flat telephone cable for fin 4-4 conductor 28AWG				

ORDER CODE

GFX4

MOD

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