



STR571

Modbus remote display
Terminale Modbus remoto



User manual
Manuale installatore

3 Technical data

3.1 General features

Display	2.42" monochrome (yellow) OLED graphical display
Operating temperature	Operating temperature 0-40°C - Humidity 35..95 Rh%
Protection	IP54 (on front) with gasket IP20 (container and terminals)
Material	Container: polycarbonate V0 Front panel: silicon rubber
Weight	Approximately 165g

4 Hardware features

Power supply	Extended range power supply 24..230 Vac/Vdc ±15% 50/60 Hz	Consumption: 8 VA.
COM1 serial port	Galvanically isolated RS485 interface	Modbus master Speed 1200..115200 bps
COM2 serial port	RS485 interface	Modbus Slave Speed 1200..115200 bps
Micro-USB port	USB device interface	For connection to PC and memory card management.
Relays output	2 Relays	2 A - 250 Vac contacts. Resistive load.
Digital inputs	3 Inputs	Configurable PNP/NPN (2) Configurable NO / NC
Potentiometer input	1 input to set values of the variables.	Minimum 1 KΩ (power supply 24 Vac/Vdc) Lifespan 150,000 hours (duration is specified as reaching 50% of the initial brightness)
Display	2.42" monochrome yellow OLED technology.	To browse and edit data.
Front keys	4 front keys	

4.1 Software features

Multi-language menu	English/Italian/German/French/Spanish
Master COM1 serial port	Modbus Master / Multimaster RTU / ASCII protocol
Number of variables	Max 8 reading/writing variables on Modbus slave devices.
Viewing variables	Configurable display by means of 1-4 variable parameters per page. Automatic selection of the maximum display font size for enhanced data reading.
Configuration of variables	The following can be set for each variable: <ul style="list-style-type: none">• Description (max 16 characters)• Unit of measurement (max 5 characters)• Selectable number of decimals• Format (bit, 16 bit, 32 bit, 32 bit floating point)• Numerical or enumerative display (for values 0..4): each numerical value has a corresponding displayed text• Processing of read data• Address of data and device
Automatic page scrolling	Possibility of enabling timed automatic scrolling of the display pages of the variables.
Encoder management from panel	Possibility of connecting a rotary encoder on the panel to the digital inputs to facilitate browsing of the various pages and to edit the variables and alarm setpoints. (Code 5300.55.001)
Communication status diagnosis	Possibility of viewing the communication status for each of the enabled variables.
Potentiometer setting	Possibility of setting the value of a variable with a potentiometer. Possibility of enabling writing of a variable by selecting it with a potentiometer. The potentiometer limits are stored with an acquisition procedure.
Alarms management	ON/OFF with hysteresis

Alarm mode	Absolute/Threshold, Band with instantaneous/delayed/retentive action and by digital input/communication failure / activation from serial communication
Slave COM2 serial port	Modbus RTU slave protocol
USB port	Virtual Com Port with Modbus RTU slave protocol. Memory card connection for parameter configuration

5 Dimension and installation

