STR571

8-Channel Panel-Mounted Display for Modbus Sensors

CALEX ELECTRONICS LIMITED
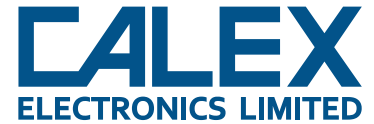
- Read or write 8 variables from Modbus sensors
- Simultaneously view up to 4 variables per page, with 2 pages
- Compatible with all Calex Modbus infrared temperature sensors, and other Modbus devices
- Isolated RS485 Modbus Master interface
- Multimaster – up to 16 STR571 masters on the same network of slaves
- RS485 Modbus Slave interface for connection to a larger network
- 2 Alarm Relay Outputs, and inputs for external controls

The STR571 is a versatile interface and display unit for Modbus sensors, I/O modules, signal converters and other Modbus devices in general.

Up to 8 variables may be read or written on Modbus slave devices, with the variables shown on-screen numerically or in text.

The description and measuring units of each variable are configurable, and display data may be rescaled.

Up to 4 variables may be displayed simultaneously. Text is automatically resized depending on the number of variables being displayed.

Digital inputs allow connection of a rotary encoder that makes it even easier to navigate the displayed data and the configuration interface, or connection to panel buttons with programmable functions.
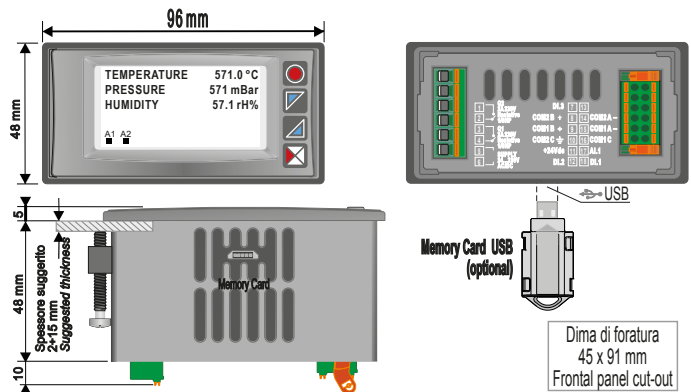
SPECIFICATIONS

Communications and Outputs	
Communications and Outputs	1 x RS485 Modbus RTU Master interface, supports 8 channels, e.g. for PyroMiniBus temperature sensors
Modbus Slave	RS485 Modbus RTU Slave interface
Inputs	3 digital inputs allowing the connection of external controls such as a rotary encoder: 2 x PNP/NPN inputs e.g. to enable outputs, reset alarms, lock configuration, increase/decrease value; 1 x PNP input programmable to select values
Outputs	2 alarm relays, configurable, rated 250 V AC, 2 A, on/off, with hysteresis

General	
Display	OLED monochrome yellow
Supply Voltage	24-230V AC / DC ± 10% 50/60 Hz (with 2500 V galvanic isolation)
Power Consumption	6 VA

Mechanical	
Housing dimensions	96x48 (front) x 48 mm (1/8 DIN)
Housing material	Polycarbonate V0
Weight	Approximately 165 g
Wiring	Removable spring-lock terminal blocks
Configuration	Via built-in push-button controls using simple menu system

Environmental	
Temperature	Operating range 0-45 ° C
Humidity	Operating range 35-95% RH (non-condensing)
Protection	Front panel: IP54 (IP65 with sealing), and container terminals: IP20

Software Features	
8 Variables	8-channel data management, view 1 to 4 variables on each page, editable text description of each variable (max 16 characters), editable measurement units for each variable (max 5 characters), 1, 16, or 32 bit data format, editable text display for variable values between 0 and 4, configurable display value (offset, gain, limits, rescale).
2 Alarms	ON-OFF with hysteresis
Alarm mode	Absolute / threshold, band with choice of activation mode (instantaneous / delayed / retentive / by digital input), activation by serial line
Multimaster	Connect up to 16 x STR571 master devices on the same Modbus network
Interface Language	English, Italian, German, French, Spanish
Options	Optional front panel encoder to facilitate input of data

Model Numbers	
STR571-1ABC-T128	8-channel panel-mounted Modbus indicator
Options (contact Calex)	Compatible infrared temperature sensors Rotary encoder

ООО ИНКОЛ - инфракрасные датчики температуры
Web-site: www.pyrosensor.ru
Email: incoll@pyrosensor.ru

Issue A - Sept 17
Specifications subject to change without notice