INSTALLATION MANUAL

S117P1

PRELIMINARY WARNINGS

The word **WARNING** preceded by the symbol ⚠ indicates conditions or actions that put the user's safety at risk.
The word **ATTENTION** preceded by the symbol ⚠ indicates conditions or actions that might damage the instrument or the connected equipment. The warranty shall become null and void in the event of improper use or tampering with the module or devices supplied by the manufacturer as necessary for its correct operation, and if the instructions contained in this manual are not followed.

	**WARNING**: The full content of this manual must be read before any operation. The module must only be used by qualified electricians. Specific documentation is available via QR-CODE shown on page 1.
	The module must be repaired and damaged parts replaced by the Manufacturer. The product is sensitive to electrostatic discharges. Take appropriate measures during any operation.
	Electrical and electronic waste disposal (applicable in the European Union and other countries with recycling). The symbol on the product or its packaging shows the product must be surrendered to a collection centre authorized to recycle electrical and electronic waste.

DOCUMENTATION
S117P1

SENECA

QUALITY MANAGEMENT SYSTEM
ISO 9001:2015

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CONTACT INFORMATION

Technical support	support@seneca.it	Product information	sales@seneca.it

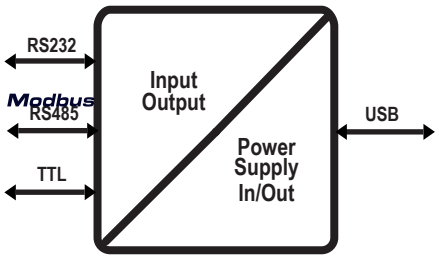
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SIGNALS VIA LED ON FRONT PANEL

LED	STATUS	LED meaning
PWR Green	ON	The device is powered correctly
RX Red	ON flashing	It lights up every time the instrument receives data through the RS485 / RS232 port
TX Red	ON flashing	It lights up every time the instrument transmits data through the RS485 / RS232 port

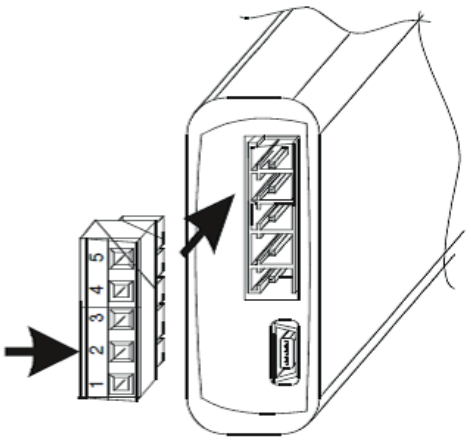
TECHNICAL SPECIFICATIONS

CERTIFICATIONS	https://www.seneca.it/products/s117p1/doc/CE_declaration
INSULATION	 **WARNING** the maximum working voltage between any terminal and ground must be less than 50 Vac / 75Vdc 1500 V~
ENVIRONMENTAL CONDITIONS	Operating temperature: -20 ÷ + 65°C; Humidity: 10% ÷ 90% non-condensing; Altitude: Up to 2000 m a.s.l.; Storage temperature -40 ÷ +85°; Degree of protection: IP20.
ASSEMBLY	IEC EN60715, 35mm DIN rail through terminals.
CONNECTIONS	5-way removable screw terminals, pitch 5 mm
POWER SUPPLY	Through PC USB port.
SERIAL COMMUNICATION	RS232 (DB9-M), RS485 (5 poles), TTL (RJ10), USB 1.0, 1.1, 2.0
BAUD RATE	1200bps, 115200bps.
DIMENSIONS	Width: 90mm; Height: 50mm; Depth: 25mm; Weight: 55 g

TERMINAL POSITION AND DESCRIPTION

The drawing below shows the functions of the removable screw connector on the side of the S117P1:

PIN INDEX	DESCRIPTION
1	Power Supply Ground
2	Max: + 12Vdc @ 100 mA
3	B
4	A
5	Modbus Ground



CAUTION

For long connections or in noisy environments, use a shielded cable for the RS232 and RS485 lines

TROUBLESHOOTING

If problems occur with the use of the converter, check the following points:

PROBLEM	CHECK
The "POWER" LED does not come on	Check that the PC's USB socket provides for the supply of the 5 V needed to power the instrument
The "Rx" led remains on continuously	Check that the RS485 or RS232 cables have not been swapped
The received data is incorrect	Check the communication speed

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