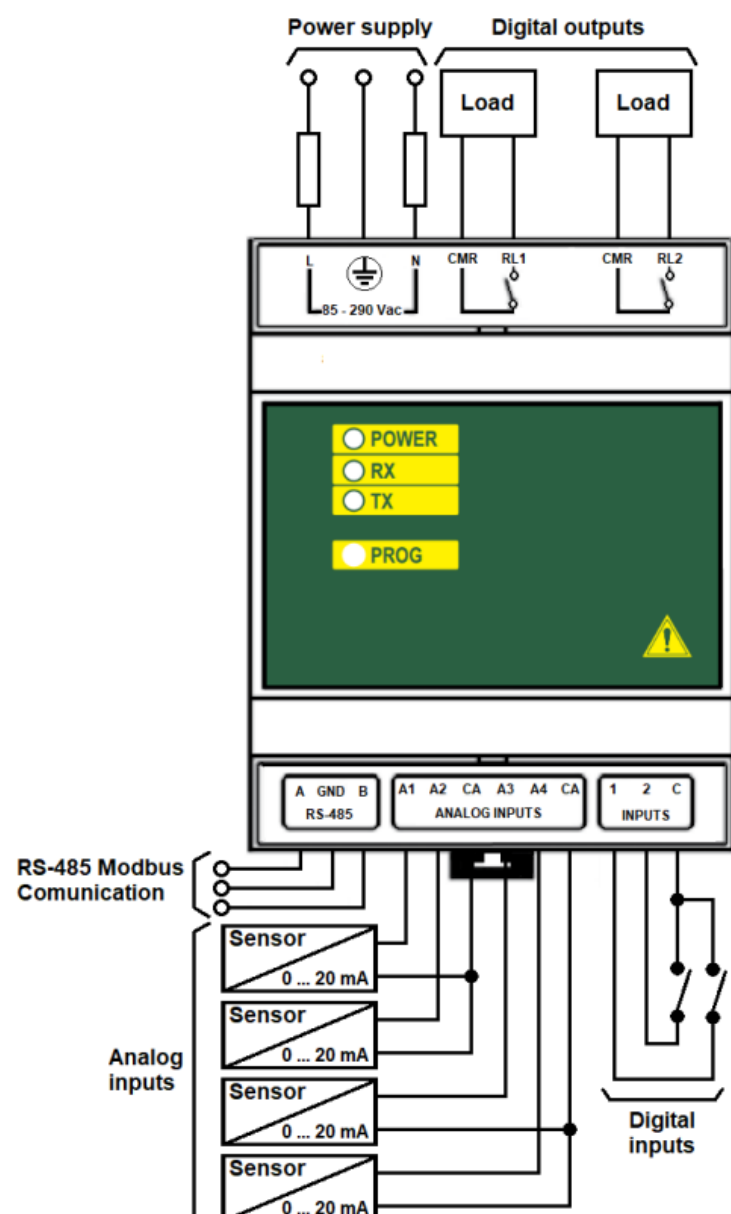
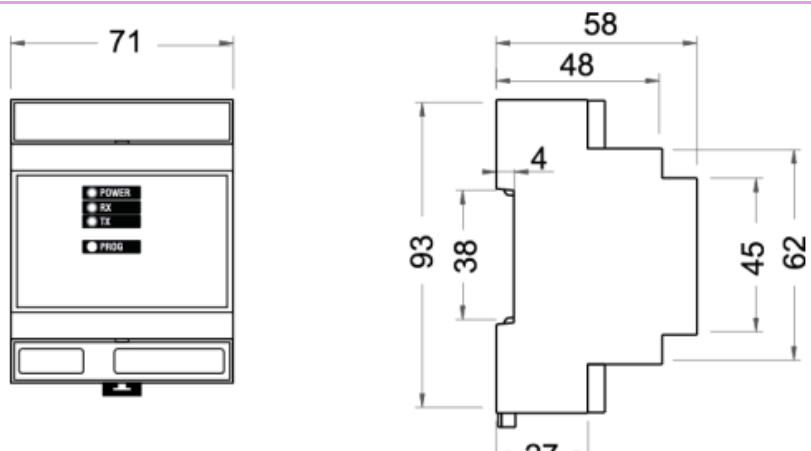




Description	
	An industrial signal centralizer for management of facilities where remote control and processes monitoring is required. Completely multifunctional thanks to its 4 analogue inputs, 2 digital inputs and 2 digital outputs.
Featured Features	
	- Multifunction signal centralizer to adapt to any need - 4 analog inputs 0-20 mA, 2 digital inputs free of voltage and 2 digital outputs - Digital inputs for pulse counting or for open/closed contact detection - RS-485 Modbus RTU communications to allow remote telemanagement
Electrical data	
Power supply	85 .. 265 VAC. / 120 .. 374 VDC.
Frequency	47 .. 63 Hz
Maximum consumption	4,6 .. 7,5 VA
Environmental conditions	
Temperature	-10 .. +60 °C
Humidity	5% .. 95%
Maximum working altitude	2000 m
Mechanical data	
Surround material	UL94-V0 self-extinguishing plastic
Protection degree	IP20
Dimensions	105 x 88,5 x 48mm
Weight	180 g
Mounting	DIN rail
Serial interface	
Type	RS-485 three threads (A+/S GND/ B-) (RX/GND/TX)
Transmission speed	9600 / 19200 bps configurable
Data bits	8
Parity	No parity
Stop bit	1
Characteristics and electrical safety	
Electrical safety	CAT III 300 V according to EN 61010
Electric shock protection	Double insulation class II
Digital input features	
Type	Optoisolated voltage free (dry contact)
Maximum activation current	50mA
Characteristics of analog inputs	
Type	Current analog
Input range	0 .. 20 mA
Resolution in points	1.024 points
Input impedance	100 Ohms
Converter resolution	10 bits

Characteristics digital outputs	
Type	Relay
Maximum maneuvering power	750 VCA
Maximum operating voltage	250 VAC
Maximum switching current	5 AAC
Electrical endurance	3·10 ⁴ operations
Mechanical life	2 x 10 ⁷ maneuvers
Regulations	
IEC 60664, VDE 0110, UL 94, EN-61010-1, EN 55011, EN 61000-4-3, EN 61000-4-11, EN 61000-6-4, EN 61000-4-2, EN 61000-6-2, EN 61000-6-1, EN 61000-6-3, EN 61000-4-5 -CE	
Installation	
The equipment is installed on a DIN rail, leaving all the connections inside an electrical panel.	
The equipment must be connected to a power supply circuit protected with type gI (IEC 269) or type M fuses, between 0.5 and 1 A. A magneto-thermal switch or equivalent device must be provided to disconnect the equipment from the power supply network. The power supply circuit of the equipment will be connected with a cable with a minimum section of 1 mm².	
Electrical wiring	
	

Leds	
Power	Activity in case of supplying the equipment with auxiliary power
RX	Blinking during RS-485 reception
TX	Blinking during RS-485 transmission

Dimensions	
(Dimensions in mm)	

RS-485 communication	
	The equipment has an RS-485 type communication port for reading and writing the device parameters. To do this, the equipment uses the Modbus/RTU communication protocol. By default, it is configured with the peripheral number 97 (in hexadecimal 61) and communication speed 192000 bps, 8, N, 1. By means of the address change command we can assign any other address (at most FF in hexadecimal which is equivalent to peripheral 255). If you do not remember the slave number, you can retrieve the default address (97 decimal or 61 in hexadecimal): - Remove auxiliary power to the equipment - Permanently activate the button located on the front of the equipment - Powered up again, stop pressing the button and the equipment automatically recovers the default peripheral number (97 Decimal / 61 Hexadecimal).