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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 ℃
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	
Туре	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	
Туре	Optoisolated voltage free (dry contact)
Maximum activation current	50mA
Characteristics of analog inputs	
Туре	Current analog
Input range	0 20 mA
Resolution in points	1.024 points
Input impedance	100 Ohms
Converter resolution	10 bits



Characteristics digital outputs				
Туре	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 ^A 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 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 gl (IEC 269) or type fuses, between 0.5 and 1 A. A magneto-thermal switch or equivalent device must be provided disconnect the equipment from the power supply network. The power supply circuit of the equipme will be connected with a cable with a minimum section of 1 mm ² .			
Electrical wiring				
	Load Load Load Load Load Load Load Load			
	RS-485 Modbus Comunication Analog inputs Rsalog inputs Analog inputs Rsalog inputs Analog inputs			

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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)		93			
RS-485 communication					
Modbus RTU memory map	 parameters. To do this, the equipment usconfigured with the peripheral number 97 8, N, 1. By means of the address change hexadecimal which is equivalent to periph If you do not remember the slave number hexadecimal): Remove auxiliary power to the equipmer Permanently activate the button located Powered up again, stop pressing the b peripheral number (97 Decimal / 61 Hexade 	es the Modbus/RT (in hexadecimal 6 e command we ca eral 255). er, you can retriev nt on the front of the jutton and the equ decimal).	U communication protocol. B 1) and communication speec n assign any other address (re the default address (97 der equipment uipment automatically recove	y default, it is I 192000 bps, at most FF in cimal or 61 in rs the default	
	Magnitude	Input registers	Unit	Function	
	Peripheral number	0x3000	1: 9600bps 2: 19200bps	4,16(0x10)	
	Transmission speed	0x3001	Format: "V1.10" values in ASCII and the last byte is always 0	4,16(0x10)	
	Device version	0x3500-0x3502	-	4	
	Serial no.	0x3503-0x3504	-	4	
	Counter value 1	0x0002-0x0003	-	4	
	Analogic Input 1	0.0500		4	
	Analogic input i	000000	-	4 4 4	
	Analog input 2	0x0500	-	4 4 4 4	
	Analog input 2 Analog input 3	0x0500 0x0501 0x0502	-	4 4 4 4 4	
	Analog input 1 Analog input 2 Analog input 3 Analog input 4	0x0500 0x0501 0x0502 0x0503	-	4 4 4 4 4 4 4	
	Analog input 1 Analog input 2 Analog input 3 Analog input 4 Digital input status Activated = Closed (1) Deactivated = Open (0)	0x0500 0x0501 0x0502 0x0503 0x2000	0000: 1 and 2 false 0001: Input 1 true 0002: Input 2 true 0003: 1 and 2 false	4 4 4 4 4 4 4	
	Analog input 1 Analog input 2 Analog input 3 Analog input 4 Digital input status Activated = Closed (1) Deactivated = Open (0) Control digital outputs Activated = Closed (1) Deactivated = Open (0)	0x0500 0x0501 0x0502 0x0503 0x2000 0x1000	- 0000: 1 and 2 false 0001: Input 1 true 0002: Input 2 true 0003: 1 and 2 false 0000: 1 and 2 deactivated 0001: Output 1 active 0002: Output 2 active 0003: 1 and 2 activated	4 4 4 4 4 4 4 4,16(0x10)	
	Analog input 1 Analog input 2 Analog input 3 Analog input 4 Digital input status Activated = Closed (1) Deactivated = Open (0) Control digital outputs Activated = Closed (1) Deactivated = Closed (1) Deactivated = Closed (1) Desactivated = Open (0)	0x0500 0x0501 0x0502 0x0503 0x2000 0x1000 0x1500	- 0000: 1 and 2 false 0001: Input 1 true 0002: Input 2 true 0003: 1 and 2 false 0000: 1 and 2 deactivated 0001: Output 1 active 0002: Output 2 active 0003: 1 and 2 activated 0000: 1 and 2 off 0001: Pulse Output 1 0002: Pulse Output 1 0003: Pulse Output 1 and 2	4 4 4 4 4 4 4 4,16(0x10) 4,16(0x10)	

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