RCGSOL Neo
"SOL Remote Control Gas"

Telemetry control unit

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SGLAB code: EM105QE05

General description: The RCGSOL Neo device is a telemetry panel with a internal router that can be used in different areas: industrial, scientific and medical; it can be installed inside and outside, with reduced dimensions and IP65 protection degree, designed to resist to bad weather, it includes a 230VAC-24VDC power supply with relative protection fuses.

Thanks to the RCGSOL Neo device it is possible to monitor and record up to 12 physical quantities of various entities: analogue/digital signals coming from pressure sensors, environmental sensors, pressure switches, etc.

The RCGSOL Neo device shows 24 / 24h on the display the values detected by the different sensors, which slide on the display on different pages; the front door of the panel is transparent, allowing visual access to the 4.3" color touch screen display without the need to open the door.

The device guarantees optical-acoustic signalization of pre-alarms and alarms, there are also *test alarm* button to check LED / buzzer signalization and *mute alarm* button for momentary suspension of the acoustic alarm.

The RCGSOL Neo device, thanks to the integrated router, allows to send SMS & MAIL when one or more monitored values are in a pre-alarm and/or alarm state. Moreover it can be connected to different actuators than can be controlled in case of pre-alarm and/or alarm, such as: customer phone dialer, activation of the customer's ventilation system, remote alarm signaling in a customer's manned place, etc.

Technical specifications

RCGSOL^{NEO}	UM	Features
Dimensions (Width x Height x Depth)	mm	260 x 305 x 160
Weight	Kg	5,7
Supply voltage	VAC	230
Internal operating voltage	VDC	19 ÷ 26
Minimum ÷ maximum operating temperature	°C	-10 ÷ 40
Minimum ÷ maximum operating humidity	%	25 ÷ 75
Maximum altitude above sea level	m	1000
Touch screen display		
Visual area size	inch	4.3
Number of colors that can be represented		262.000 colors
Display technology		TFT
Touch screen type		Resistive
Main components		
Emergency buzzer at 1 meter distance	dB	70
RS485 serial interface		115.2 kbps 8N1
USB interface (connection with USB stick)		FAT
Connection mode		3G, Wi-Fi, LAN, WAN
I/O of the device	N°	
Dry contact relay output for low voltage signals	1	230VAC 2A
Current-limited static outputs for actuators control	2	24VDC PNP
Digital inputs (ON/OFF) / Analog inputs	12	24VDC PNP 0-5 VDC 4-20mA

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