REG550 - MULTIFUNCTION GRAPHIC CONTROLLER

Monocromatic graphic display, 1/8 DIN - 96x48. Even plot tracker and digital visualizer of the fast dynamic input variable. LCD Display 128x64 one color by backlite setup. Silicon keypad IP54 4 buttons. Display for process variable, parameters, tracks and bargraph in horizzontal or vertical reading on choosing. Universal configurable input variables RTD/TC/Linear signals with fast transient sourcing (242Hz/4,2 ms sampling).

Two alarm relais whit several functions and due to readout fast answer of the variable processed. Serial output RS485 Modbus RTU slave for to PLC, OP, SCADA/Panel PC. Two digit inputs configurable and 24V dc /30 mA supply for sink sensors loop powered. Peak hold min and max, period storing. Totalizer function upward, downward and batching total amount.

Fully configurable by our laboratory.

Analog input linearizable up to max 16 steps.

It can correlate as much 16 rates of any input sensor as over equivalent units mm - cm - m of w.c. or liter or kg in bulk tanks, or further non-linear functions calculation.

TECHNICAL SPECIFICATIONS

Housing:		96x48 (front panel) 1/8 DIN depht 48 mm
Mounting:		horizontal or vertical reading by setup
Supply:		24…230 Vac/dc - consumption 6W
Environmental conditions:		0...45°C, 35...95 rH %
No. 1 input selectable from:	termocouple	type K, S, R, J, T, E, N, B automatic cold junction compensation from 0 ... 50 ° C
	resistance	thermometers PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (• 3435K)
	Input	linear: 0-10 V (54000 points), 0/4-20mA (40000 points), 0-60 mV (16000 points)
	Input	Potenziometer: 6 K•, 150 K• (10000 points)
	Input	linear up to 16 customizable intervals
No. 2 digital input:		PNP for Run mode / Hold / Alarm Lock / Offset-Zero / Reset Alarm / Reset Peak High / Low / Peak-to-Peak / Totalizer Reset / Enable-sum Reset / Lock Configuration / Setpoint
Outputs:		2 Relay contacts 2A - 250Volt AC (resistive load)
		2 Outputs Linear No 1 = 0 ... 10V (60000 bit - No 1 = 0/4...20mA (60000 bit)
		1 Aux Output 24 Vdc / 30 mA to power external sensors (loop powered)
Serial communication:		RS485 Modbus RTU - Slave (1200...115000 Baud) galvanically isolated
Setting alarms:		On / Off switch with hysteresis
Protection:		IP54 front whit gasked, IP20 housing and terminals
Alarm mode:		Absolute / Threshold, Band with instant action / delayed / retention and the digital input / Sensor Break / activation from Serial
Sum Function:		With digital input from the keyboard or the sum of different process measures over time
Totalizer function:		Display rate or totalization past last reset
Trace function:		Trend display, time base set 1 ... 3600sec, total 4K word memory
Linear transmission:		Process values / setpoint of analog outputs
Digital transmission:		Process values / setpoint / Parameter on serial output RS485
Latch-on function:		Semi-automatic procedure of learning the limits of linear inputs