

ELECTRONIC CONTROLLER PID

RST-2P



General features

Displays	4 digits 9.6 mm (0.38 pollici), 5 digits 7.1 mm (0.28 pollici)
Operative conditions	Temperature: 0-45° C -Humidity 35..95 uR% Max. altitude: 2000m
Sealing	IP65 front panel (with gasket) IP20 box and terminals
Materials	Box and front panel: PC UL94V2 self- extinguishing
Weight	Aprox. 120 Gr

Hardware features

Analogue input	AI1: Configurable via software. Input: Thermocouple type K, S, R, J,T,E,N,B. Automatic compensation of cold junction from -25...85° C. Thermoresistances: PT100, PT500, PT1000, Ni100, Ni120, PTC 1K, NTC 10K (β 3435K and β3694K), NTC 2252 (β3976K) Input V/mA: 0-1 V, 0-5 V, 0-10 V, 0-20 V, 4-20 mA, 0-60 mV. Pot. Input: 1...150 KΩ.	Tolerance (25° C) $\pm 0.2\% \pm 1$ digit (on F.s.) for thermocouple, thermoresistance and V/mA. Cold junction accuracy 0.1° C/°C. Impedence: 0-10 V: $R_i > 110$ KΩ 0-20 mA: $R_i < 5 \Omega$ 0-40 mV: $R_i > 1$ MΩ
Relay outputs	Configurable as command and alarm output.	Contacts: 5 A - 250 VAC Resistive load.
SSR outputs	Configurable as command and alarm output.	12 V, 25 mA. Min. load 1 mA
Power-supply	Extended power-supply 24..230 VAC/ VDC $\pm 15\%$ 50/60 Hz Overvoltage category: II	Consumption: 5 Watt/VA

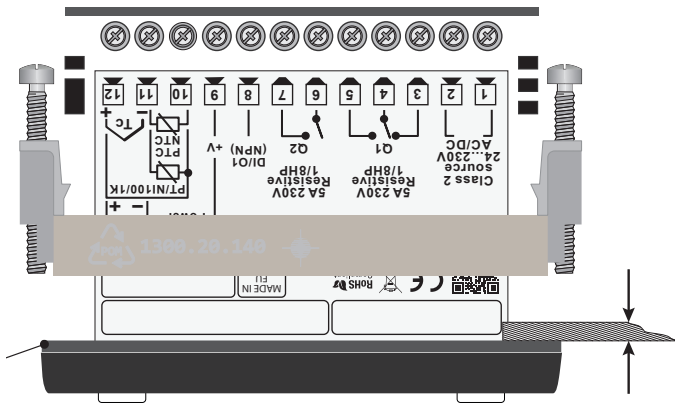


Software features

Regulation algorithms	ON-OFF with hysteresis. P, PI, PID, PD with proportional time
Proportional band	0..9999°C o °F
Integral time	0,0..999,9 sec (0 exclude)
Derivative time	0,0..999,9 sec (0 exclude)
Controller functions	Manual or automatic Tuning, selectable alarm, protection of command and alarm setpoints.



Dimensions And Installation

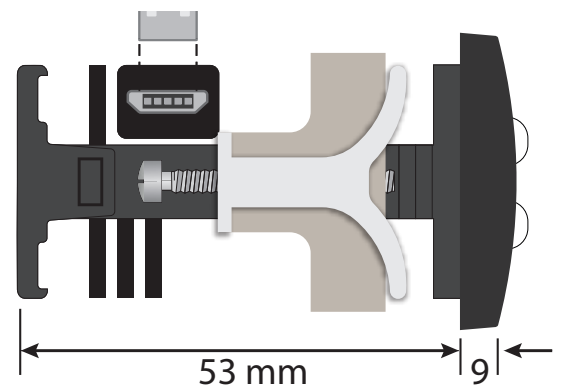
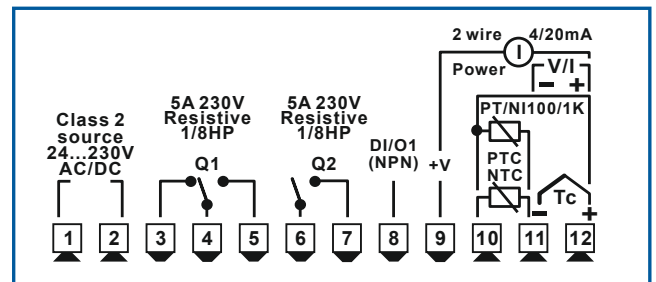


Gasket for 32x74

Frontal panel cut-out

28.5 x 70.5 mm

WIRING DIAGRAM





The controller can be customized

