

TH SERIES ECONOMICAL PID Temperature Controller.

Available Features:

- PID Controller, Heating and cooling output control.
- Two Loop alarm output, Alarm 1, Alarm 2 on selected models. (See chart below)
- Input Type Thermocouple types for ALL Models: K,E,S,B,J,T,R,N., RTD: Pt100, Cu50., Cu100., 0-20 mA., 4-20 mA., 0-5V., 0-10V.
- Output Options: Relay., SSR (Solid State Relay)., SCR., PWM control output.
- Power Supply: 220 V. AC.,
- Size: 48 x 48mm., 48x96 mm., 72x72mm., 96x48mm., 96x96mm



Specifications:

	Model	Description.
Input Type	TH	Thermocouple types K,E,S,B,J,T,R,N
		RTD: PT100., Cu50., Cu100
		Direct Current: 0-20 mA., 0-10 mA., 4-20 mA.
		Direct Voltage: 0-5V., 0-1V., 0-10V.
Controller Size Options:	4	48 x 48 mm
	6	48 x 96 mm
	7	72 x 72 mm
	8	96 x 48 mm
	9	96 x 96 mm
Control Type		On/off
		PI control. Proportional Scan 0% to 3600%., Integral Time 0 – 3600 sec., Differential Time 0 – 3600 sec.
		PID Control
Control Output	R	(R) Relay output.: DC 250V/3A., or DC 30V/3A.
	S	(S) SSR or SCR Output
	D	(D) Analog output 4-20 mA

Measuring Accuracy		0.3% FS. + 1 Digit.
A/D Conversion		Dual Integral
Sample Time		<0.5 Second.
Power Supply		85 - 265 V. AC or DC., 50 – 60 Hz.
Operating Conditions		0-50 deg. C., 45 -85% RH.
Display		Two line 3 digits.
Withstand voltage strength		AC 1500 V. 1 min. between power terminal and case.
Power Consumption		<5 VA.
Insulation Resistance		DC 500V > 50 Meg. Between power terminal and case.
Alarm options:	A	Non Alarm
	B	One Alarm
	C	Two Alarm
Number of inputs	1	One input
	2	Two inputs
Communications options	0	Without RS485 communication option
	8	Include RS485 option

Example:

TH4-RC10 Means the controller size is 48 x 48 mm, with relay output, Two Alarm outputs., One input, and no RS485 option. (This is the most commonly used)