

# PREMIER'S PID TEMPERATURE CONTROLLER

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*Model: PE 24x2*



*PE 24x2 – Premier's PID Temperature Controller*

## APPLICATIONS:

Suitable for all kinds of manufacturing and laboratory processes. Common applications are Heat/Cool Oven, Packaging Industry, Plastic Industry, Healthcare equipment, and Food & Beverage Industry.

## SPECIFICATIONS:

Display : 7 segment LED, 4 Digits, Dual Row

Display Height : PV: 0.56" SV: 0.39"

LED : Output status

Input :

Sensor	Type	Range	Resolution	Accuracy
Thermocouple	J (Fe- K)	-50 to 750 °C	1 °C	± 1 °C
Thermocouple	K (Cr- Al)	-50 to 1200 °C	1 °C	± 1 °C
Thermocouple	R (Pt 13 Rh- Rh)	0 to 1750 °C	1 °C	± 1 °C
Thermocouple	S (Pt 10 Rh- Rh)	0 to 1750 °C	1 °C	± 1 °C
RTD (1)	Pt- 100	-200 to 400 °C	1 °C	± 1 °C
RTD (0.1)	Pt- 100	-200.0 to 400.0 °C	0.1 °C	± 0.3 °C

Control Action : PID, On- Off (Time Proportional)

No of outputs : 2 (Relay/ SSR)

Output Logic : Heat Mode/ Cool Mode

Adjustable Parameters : Proportional, Integral, Derivative Values, Cycle Time, Delay, Hysteresis

Supply Voltage : 90 - 270 VAC/DC

Dimensions & Weight : 72 x 72 x 65 & 200 gm  
96 x 96 x 75 & 300 gm

Optional Features : 1. Re- transmission (4- 20 mA output)  
2. RS- 485: Serial port Communication through Modbus Protocol  
3. PC based software to control, monitor and/ or log data

### Order Code:

Model	Sensor	O/p 1	O/p 2	Enclosure size	Retransmission	RS-485
PE24x2	K	R	R	7	N	N
	J: J T/c	R: Relay	R: Relay	7: 72*72 mm	Y: Yes	Y: Yes
	K: K T/c	S: SSR	S: SSR	9: 96*96 mm	N: No	N: No
	R: R T/c		X: None			
	S: S T/c					
	RTD: Pt 100 (1)					
	RTD.1 (0.1)					

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