

# TEMPSEN SOLUTION PARTNER IN CONTROLLER TECHNOLOGY

## Digital Process Controller

## TTC-PC Series

The Digital Process controller accept input RTD, Thermocouple Voltage, Current. The controller suitable for Temperature, Pressure Humidity, Level, Flow, Tachometer, Voltmeter, Ammeter. The input is passed through suitable filters to eliminate unwanted signals. Low Thermal drift operational amplifier ensures good stability. Control set Point can be set very accurately. TTC-PC are available in many models. LED display provide visual status of the relay. The instrument is housed in a compact sheet metal case. AC Mains or DC Voltage Operated Cold junction compensation is standard feature in Thermocouple input.



Tempsen also offers two set controller. Controller with differential function for Freezer application is also available. To avoid overshoot controller with time PID Function is offered. Large display (1", 2", 4") controller is available.

The controller is compact size, priced very competitive. The unit can be drawn from the front for Easy servicing. Product Quality Certified.

### Technical Data

Input	: RTD or Thermocouple or Voltage or Current
Display Range	: As per Input
Display	: 3 ½, 4 ½ Digit LED seven segment Display
Accuracy	: 0.5 % or 0.25 % ± digit of span
Control Output	: Relay ( max5A) or Voltage
Operating Voltage	: 24 VDC or 110 VAC or 230 VAC
Bezel Dimension	: 48X96 or 72X72 or 96X96 mm
Operating Conditions	: Temperature : 0 to 50 °C, Humidity : 0 to 80 % Rh

### Ordering Guide

#### Model : TPC Series

### Order Example

#### TPC-1211123

Code	1	2	3	4
Operating Voltage	230 VAC	110 VAC	24VDC	Others
Input	RTD pt 100	Thermocouple	Voltage	Current
Control Output	Relay	12 VDC	230 VAC	Others
Accuracy ±	0.25 %	0.5 %	0.75%	Others
Controller	Single Output	Dual Output	Timer Output	Others
Thermocouple	IC- J	Cr/Al -K	Pt Pt Rh - S	Others
Bezel Size	48X96 mm	72X72 mm	96X96 mm	Others



Since 1987

## TEMPSEN DEVICES

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