

# Multichannel Temperature Controller



Ajinkya Electronic Systems are manufacturers of Multichannel Temperature controllers. These controllers accept sensor input from various sensors like RTD Pt100, various type of thermocouples or 4-20mA or 0-10 V DC inputs. Controller can be of Universal type input as well.

Control algorithm is available as On / Off type, Proportional type or PI Type. Open collector outputs are provided to drive external Relays or SSRs.

Controllers from two inputs to up to 32 channels is available.

## FEATURES

- Microcontroller based Digital Circuitry
- 4 digit x 2 row LED display to show temperature in scanned manner.
- Dust proof membrane keypad for programming.
- 2 to 32 Analog Channels for Thermocouple Type J, K, R or T / RTD Pt100 / 4-20 mA as required
- Control Algorithm On/Off, P or PI with programmable control parameter.
- Offset programmable for RTD type inputs to compensate for wire length
- Individual set point programmable as well as single entry to set common set point.
- Open collector output to drive SSRs.
- High and Low alarm outputs with limits programmable .
- Channel number offset programmable to cascade of multiple such temperature controller units
- RS-232 Output optional for PC Interface.

## SPECIFICATIONS

- Inputs : Thermocouple Type J, K, R, T, S / RTD Pt100 / 4-20 mA, 0-100 mV factory set
- Resolution : 0.1 C for RTD, 1 C for thermocouple
- Accuracy : 0.1 C / 0.2 C +/- 1 digit (range 199.9 / 399.9) 1 C +/- 1 C for thermocouple
- Output : Open Collector
- Supply : 230 V AC / 110 V AC / 12 V DC / 24 V DC.
- Size : 96 x 192 x 150 mm. (Up to 16 Channels)  
192x192x150 mm (Up to 32 Channels)



## Ajinkya Electronic Systems

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