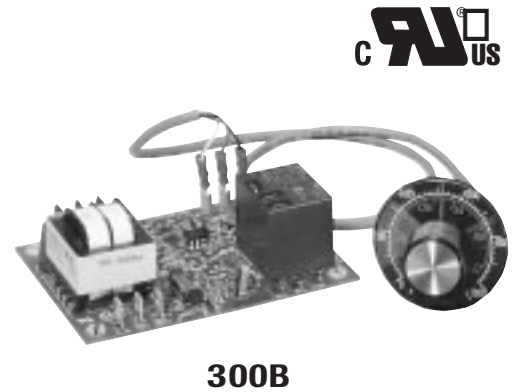


300 300D & 300B Temperature Controllers

- 300D - Enclosed with Integral Set Point Dial
- 300B - Open Board with Remote Set Point Knob
- On/Off or Proportional Controller
- Sub-panel or DIN Rail Mounting
- 10 Amp Control Relay
- Power On & Load LED Indication (300D)



Description

The 300 Series Controllers are rugged, reliable and very economical for precise process control. These controllers are designed for general purpose industrial and commercial temperature control.

The fully enclosed 300D can be either mounted directly to the surface or DIN rail mounted.

The open board 300B mounts to the subpanel, and has a remote dial for front panel mounting.

These controllers also have a 10Amp NO relay contact. Switching 2400W at 240Vac, single phase allows the 300 Series to directly control a small strip or cartridge heater...eliminating the expense of a contactor and the cost of wiring the contactor.

Specifications

Input

J Thermocouple Dual Scale 0-1000°F(0-500°C)
K Thermocouple Dual Scale 0-2000°F(0-1000°C)
Cold Junction Compensation
Sensor Break: Output de-energizes (contacts open)
Accuracy: Typically better than 0.5% of span:

Output

Relay SPDT 10 Amps@240Vac (300D)
Relay SPST 20 Amps@240Vac (300B)

Control Mode:

Proportional

Proportional Band 2.5% of span
Cycle Time 20 seconds

On/Off

Dead band 0.5% of span

Dimensions:

300D: 5.625" H x 2.75" W x 2.75" D
300B: 3" H x 4.28" W x 1.675" D

Line Voltage: 115/230VAC, ±10%,
50-60Hz field selectable

Ambient Operating Condition:

32-130°F (0-55°C), 0-90% RH,
non-condensing

Weight: .75 lbs. (320gr)

Ordering Information

| Model | PCN | Control | Temperature Range | Input Type | Power | Stock |
|------------|--------|--------------|---------------------|------------|-------------|-------|
| 300D-20200 | 329703 | On/Off | 0-1000-°F(0-500°C) | J T/C | 120/240 Vac | S |
| 300D-20300 | 329711 | On/Off | 0-2000-°F(0-1000°C) | K T/C | 120/240 Vac | NS |
| 300D-30100 | 329728 | Proportional | 0-1000-°F(0-500°C) | J T/C | 120/240 Vac | NS |
| 300B-30400 | 329736 | Proportional | 0-1000-°F(0-500°C) | J T/C | 120/240 Vac | NS |