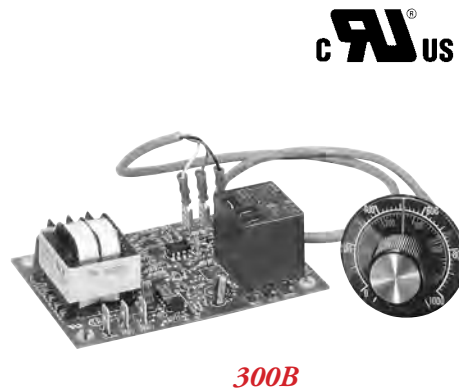


## 300 300D & 300B Temperature Controllers

- 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,  
noncondensing

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