

### Power Input

Standard: 90-264 VAC, 50/60 Hz, 5VA

### Signal Input

Accuracy:  $\pm 1.0\%$  of full scale at 77°F/25°C

Thermocouple: Type J or K

RTD: 3-wire Pt100 DIN or JIS

Sampling Rate: 3 samples / second

Cold Junction Compensation:  $\pm 0.1^\circ\text{C} / 1^\circ\text{C}$

Common Mode Rejection Ratio (CMRR): 120 dB

Normal Mode Rejection Ratio (NMRR): 60 dB

Sensor Break Protection: Upscale

### Output 1 (for TEC-905 only)

Relay Rating: 240 VAC, 5 Amp

SSR drive: Pulsed DC, 20 V at 20 mA maximum

Current: 4 - 20 mA, 0 - 20 mA, maximum load: 500Ω

Voltage: 0 - 10 VDC, minimum load 500KΩ

### Control (for TEC-905 only)

Proportional Band: 2.2% of span

ON-OFF Hysteresis: 1% of span

Cycle time: 20 seconds for relay output, 1 second for pulsed voltage output, 0.02 second for linear current or voltage output

Control Action: Reverse Action

### Approval Standards

Safety Standard: UL3121-1

Protective Class: Front panel: IP 30

Housing and Terminals: IP 20

EMC: EN61326

### Adjustment (for TEC-905 only)

Setpoint: 3-digit or 4-digit pushwheel switch

Manual Reset: Adjustable up to 2.6% of span

Setpoint Resolution:  $\pm 1$  Least Significant Digit

Accuracy of Setpoint:  $\pm 1\%$  of span

Repeatability of Setpoint:  $\pm 1$  Least Significant Digit

### Display

Process Indicator: 3-1/2 digit, 0.4" / 10 mm red LED display

Output Status Indicator: Red LED lamp (for TEC-905 only)

### Environmental and Physical

Operating Temperature: 32 to 122°F (0 to 50°C)

Humidity: 0 to 90% RH, non-condensing

Dielectric Strength: 2000 VAC, 50/60 Hz for 1 minute

Vibration: 10 - 55 Hz, amplitude 1mm

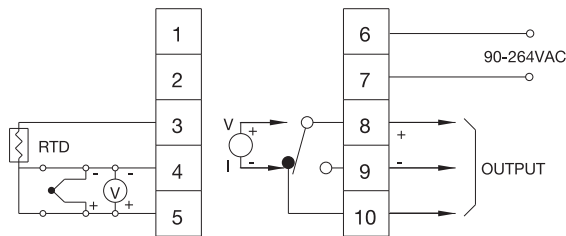
Shock: 200 m/s<sup>2</sup> (20g)

Dimensions: 1-7/8 × 1-7/8 × 3-3/4" (48 × 48 × 94 mm) H×W×D  
Depth behind panel: 3-3/8" (86 mm)

Panel Cutout: 1-25/32" × 1-25/32" (45 × 45 mm) H×W

Weight: 0.42 lb. (190 grams)

### Rear Terminal Connections



**NOTE:** Terminals 8, 9 and 10 are not used for Model TEC-900.

### TEC-905 Stock and Common Part Numbers (Power Input: 90-264 VAC, Proportional Mode)

Part Number	Signal Input	Range	Output
TEC17511	J tc	0-999°F	relay
TEC17512	J tc	0-499°F	relay
TEC17513	K tc	0-1999°F	relay
TEC17514	K tc	0-999°F	relay
TEC17515	J tc	0-499°C	relay
TEC17516	J tc	0-299°C	relay
TEC17517	K tc	0-999°C	relay
TEC17518	K tc	0-499°C	relay
TEC17519	RTD	0-999°F	relay
TEC17520	RTD	0-499°C	relay

### TEC-900 Stock and Common Part Numbers (Power Input: 90-264 VAC, Indicator Only)

Part Number	Signal Input	Range
TEC17021	J tc	0-1200°F
TEC17022	K tc	0-2000°F
TEC17023	J tc	0-600°C
TEC17024	K tc	0-1100°C
TEC17025	RTD	32-752°F
TEC17026	RTD	0-400°C