

### Power Input

100 - 130 VAC, 50/60 Hz, 5VA  
200 - 240 VAC, 50/60 Hz, 5VA

### Signal Input

Accuracy:  $\pm 2.0\%$  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

Relay Rating: 240 VAC, 5 Amp  
SSR drive: Pulsed DC, 20 V at 20 mA maximum  
Current Loop: 4 - 20 mA, 0 - 20 mA, maximum load: 500Ω  
Voltage: 0 - 10 VDC, minimum load 500KΩ

### Control

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

Setpoint: Single turn wirewound potentiometer  
Setpoint Resolution: 0.2% of span  
Accuracy of Setpoint:  $\pm 2\%$  of span  
Repeatability of Setpoint:  $\pm 0.1\%$  of span

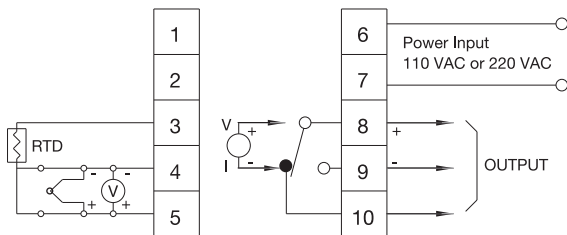
### Display

Process Indicator: TEC-902: Hi/Lo LED indicators  
TEC-901: None  
Status Indicator: ON (red) LED lamp, OFF (green) LED lamp

### 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 1 mm  
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



### Non-Indicating TEC-901 Stock and Common Part Numbers (Power Input: 200-240 VAC, Proportional mode)

Part Number	Signal Input	Range	Output
TEC17101	J tc	50-850°F	relay
TEC17102	J tc	50-550°F	relay
TEC17103	K tc	50-850°F	relay
TEC17104	K tc	50-550°F	relay
TEC17105	RTD	50-550°F	relay
TEC17106	J tc	0-300°C	relay
TEC17107	J tc	0-600°C	relay
TEC17108	K tc	0-300°C	relay
TEC17109	K tc	0-600°C	relay