



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

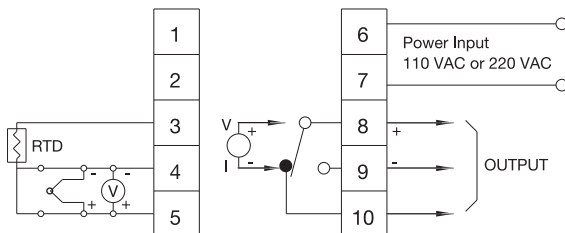
Display

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/s² (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

With Hi/Low LEDs

TEC-902 Stock and Common Part Numbers (Power Input: 200-240 VAC, Proportional mode)

Part Number	Signal Input	Range	Output
TEC17201	J tc	50-850°F	relay
TEC17202	J tc	50-550°F	relay
TEC17203	K tc	50-850°F	relay
TEC17204	K tc	50-550°F	relay
TEC17205	RTD	50-550°F	relay
TEC17206	J tc	0-300°C	relay
TEC17207	J tc	0-600°C	relay
TEC17208	K tc	0-600°C	relay
TEC17209	RTD	0-300°C	relay