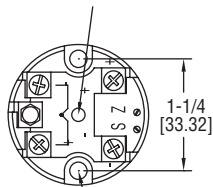


TEMPERATURE TRANSMITTER

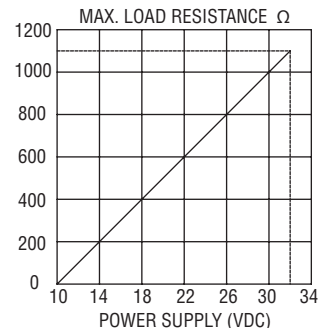
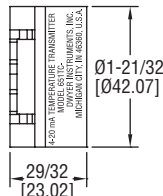
RTD or Thermocouple Input, Zero and Span Adjust, Linearized 4 to 20 mA Signal



0.16 [4.1] DIA. CENTER HOLE
FOR SENSOR WIRE ENTRY



7/32 DIA.
[5.53] MOUNTING HOLES



The **SERIES 651** Temperature Transmitters are designed for use with 2 or 3 wire Pt100 RTDs or ungrounded Type K thermocouples. Thermocouple models 651TC are cold junction compensated, automatic 32 to 160°F (0 to 70°C) with upscale burnout.

FEATURES/BENEFITS

- Various preset ranges available
- Pt100 or K type thermocouple models
- Standard temperature sensor head enclosure mounting

APPLICATIONS

- Process applications where a 4 to 20 mA signal is required

SPECIFICATIONS

Input: 2 or 3-wire Pt100 RTD (models 651A), or ungrounded Type K thermocouple (models 651TC).
Output: 4 to 20 mA DC, linearized.
Transmitter Type: 2-wire.
Output Impedance: 700 Ω @ 24 VDC.
Power Requirements: 10 to 32 VDC, reverse connection protected.
Accuracy: ±0.2°C plus 0.2% reading (models 651A), ±0.1% FS plus cold junction errors (models 651TC).

Temperature Drift: ZERO drift typical 0.02%/°C (0.09°F); SPAN typical 0.005%/°C (0.0036°F).

Temperature Limits: Ambient: 32 to 122°F (0 to 50°C).

Maximum Storage Temperature: 160°F (70°C).

Response Time: 10 to 90% in 200 ms (models 651A), 70% in 2 ms (models 651TC).

Agency Approvals: CE.

MODEL CHART

Model	Input Type	Range, °F (°C)	Model	Input Type	Range, °F (°C)
651A-10	Pt100 RTD	32 to 212 (0 to 100)	651TC-01	Type K thermocouple	32 to 212 (0 to 100)
651A-20	Pt100 RTD	32 to 392 (0 to 200)	651TC-02	Type K thermocouple	32 to 392 (0 to 200)
651A-40	Pt100 RTD	32 to 752 (0 to 400)	651TC-04	Type K thermocouple	32 to 752 (0 to 400)
			651TC-06	Type K thermocouple	32 to 1112 (0 to 600)