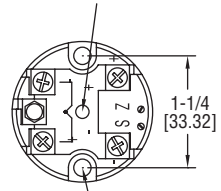


# TEMPERATURE TRANSMITTER

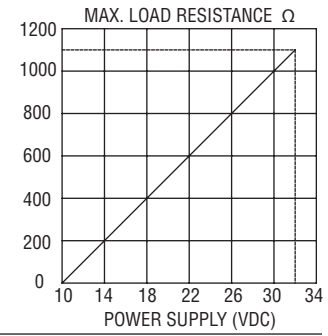
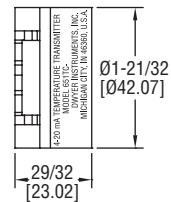
## RTD or Thermocouple Input, Zero and Span Adjust, Linearized 4 to 20 mA Signal



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

<p><b>Input:</b> 2 or 3-wire Pt100 RTD (models 651A), or ungrounded Type K thermocouple (models 651TC).</p> <p><b>Output:</b> 4 to 20 mA DC, linearized.</p> <p><b>Transmitter Type:</b> 2-wire.</p> <p><b>Output Impedance:</b> 700 Ω @ 24 VDC.</p> <p><b>Power Requirements:</b> 10 to 32 VDC, reverse connection protected.</p> <p><b>Accuracy:</b> ±0.2°C plus 0.2% reading (models 651A), ±0.1% FS plus cold junction errors (models 651TC).</p>	<p><b>Temperature Drift:</b> ZERO drift typical 0.02%/°C (0.09°F); SPAN typical 0.005%/°C (0.0036°F).</p> <p><b>Temperature Limits:</b> Ambient: 32 to 122°F (0 to 50°C).</p> <p><b>Maximum Storage Temperature:</b> 160°F (70°C).</p> <p><b>Response Time:</b> 10 to 90% in 200 ms (models 651A), 70% in 2 ms (models 651TC).</p> <p><b>Agency Approvals:</b> CE.</p>
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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)