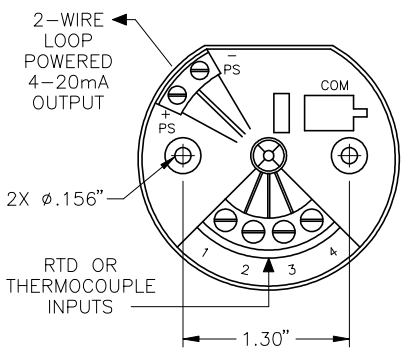
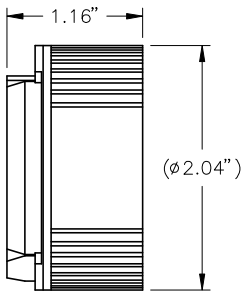
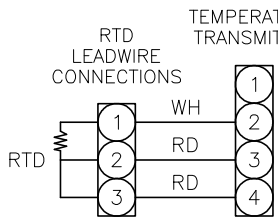
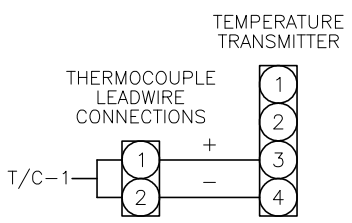


TEMPERATURE TRANSMITTER

2-WIRE, LOOP POWER, 4-20mA

PERFORMANCE SPECIFICATIONS																
Input Accuracy.	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">RTD:</td> <td style="width: 30%;">±0.04% @ 77°F</td> <td style="width: 40%; text-align: right;"><u>Conformance Range</u></td> </tr> <tr> <td>Thermocouple, Type E:</td> <td>±0.022% of Conformance Range</td> <td style="text-align: right;">-328°F to +1562°F</td> </tr> <tr> <td>Thermocouple, Type J:</td> <td>±0.03% of Conformance Range</td> <td style="text-align: right;">-274°F to +1832°F</td> </tr> <tr> <td>Thermocouple, Type K:</td> <td>±0.02% of Conformance Range</td> <td style="text-align: right;">-292°F to +1418°F</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">-238°F to +2502°F</td> </tr> </table>	RTD:	±0.04% @ 77°F	<u>Conformance Range</u>	Thermocouple, Type E:	±0.022% of Conformance Range	-328°F to +1562°F	Thermocouple, Type J:	±0.03% of Conformance Range	-274°F to +1832°F	Thermocouple, Type K:	±0.02% of Conformance Range	-292°F to +1418°F			-238°F to +2502°F
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Output Accuracy.	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">RTD and Single Point Thermocouples:</td> <td style="width: 70%;">±0.03% of Input Span Setting + Input Accuracy</td> </tr> <tr> <td>Multi-Point Thermocouples:</td> <td>±0.03% of Input Span + Input Accuracy + Averaging Circuit Accuracy</td> </tr> <tr> <td>Averaging Circuit Accuracy (%):</td> <td>$\frac{.02 \times (\text{Temp Gradient } ^\circ\text{F})}{(\text{Transmitter Span } ^\circ\text{F})} \times 100$</td> </tr> </table>	RTD and Single Point Thermocouples:	±0.03% of Input Span Setting + Input Accuracy	Multi-Point Thermocouples:	±0.03% of Input Span + Input Accuracy + Averaging Circuit Accuracy	Averaging Circuit Accuracy (%):	$\frac{.02 \times (\text{Temp Gradient } ^\circ\text{F})}{(\text{Transmitter Span } ^\circ\text{F})} \times 100$									
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Cold Junction Reference Accuracy.	±0.045%															
Isolation.	1500 Vrms input to output to case (Isolated Model only).															
Linearity.	0.1% of span, within rated ranges.															
Over-Voltage Protection.	4V max (Input), 48V max (Output and Reverse Polarity protection on Output).															
Load Capability.	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">500Ω @ 24V, typical.</td> <td style="width: 35%;"></td> <td style="width: 35%;"></td> </tr> <tr> <td>Non-Isolated Model:</td> <td>$\frac{\text{Supply Voltage} - 7V}{.024A} = \Omega$</td> <td>Isolated Model: $\frac{\text{Supply Voltage} - 10V}{.024A} = \Omega$</td> </tr> </table>	500Ω @ 24V, typical.			Non-Isolated Model:	$\frac{\text{Supply Voltage} - 7V}{.024A} = \Omega$	Isolated Model: $\frac{\text{Supply Voltage} - 10V}{.024A} = \Omega$									
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Burnout Protection.	Total Sensor Diagnostics user-selected via Windows configuration software; upscale to 24mA (std) or downscale to 3.6mA. Applies when all sensors in the temperature probe are burned out.															
Output Current Limiting.	21.4mA for input over-range; 23.6mA for sensor failure or broken wire.															
RTD Lead Wire Resistance Maximum.	RTD Resistance + 2 times the lead wire resistance must be less than 4000Ω. Recommend <35Ω per wire for 3-wire RTD inputs.															
AMBIENT CONDITIONS																
Operating and Storage Range.	-40°F to +185°F															
Relative Humidity.	0-95%, non-condensing.															
Effect of Ambient Temp on Accuracy.	±0.015% of span per °F change, max. (+0.001% of Ω reading for RTD inputs).															
Effect of Ambient Temp on Cold Junction Compensation.	±0.015°F per °F change.															
ADJUSTMENTS	All settings made using Windows based configuration program, then stored in non-volatile FRAM memory. Cable, software disk and instruction manual included with each transmitter.															
OPTIONS	Transmitter Type. <input type="checkbox"/> Non-Isolated (standard) <input type="checkbox"/> Optically Isolated															
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>2-WIRE LOOP POWERED 4-20mA OUTPUT</p> <p>2X Ø.156"</p> <p>RTD OR THERMOCOUPLE INPUTS</p> <p>1.30"</p> </div> <div style="width: 30%;">  <p>1.16"</p> <p>(Ø2.04")</p> </div> <div style="width: 30%;">  <p style="text-align: center;">TEMPERATURE TRANSMITTER</p> <p style="text-align: center;">RTD LEADWIRE CONNECTIONS</p> <p style="text-align: center;">RTD</p> <p style="text-align: center;">WIRING DETAIL RTD</p> </div> <div style="width: 30%;">  <p style="text-align: center;">TEMPERATURE TRANSMITTER</p> <p style="text-align: center;">THERMOCOUPLE LEADWIRE CONNECTIONS</p> <p style="text-align: center;">T/C-1</p> <p style="text-align: center;">WIRING DETAIL 1-PT. THERMOCOUPLE</p> </div> </div>																

