

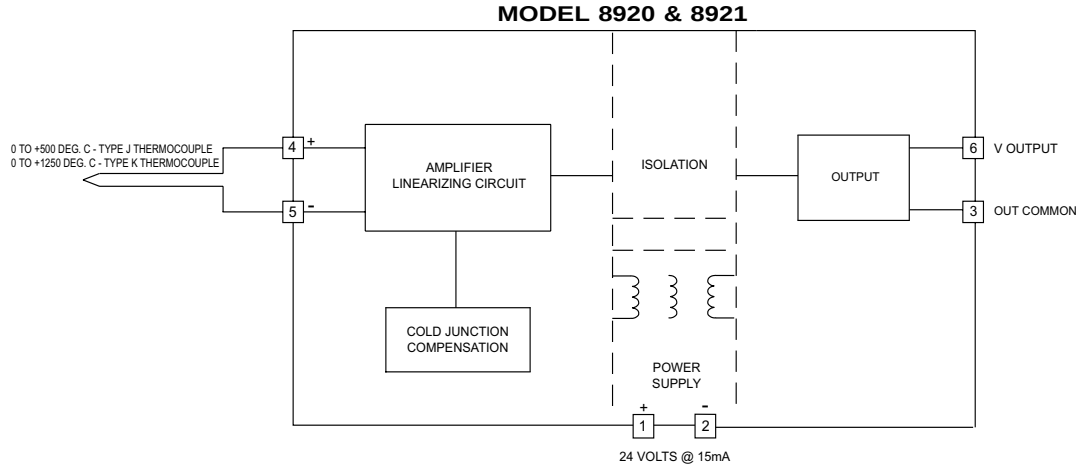
Models 8920, 8921

Type J & K Isolated Thermocouple to Voltage

The **8900 Series** offers a low cost TC (thermocouple) and RTD signal conditioning solution for applications that require a 0-10V output signal. All models isolate and linearize. The thermocouple conditioners also have cold junction compensation. The 8900 Series also offers a variety of analog to analog isolators, i.e., 0 - 50mV to 0 - 10V or 4 - 20mA to 0 - 10V etc. The isolation is three way, input to output, input to

power and output to power. All models are powered by 24VDC.

All modules are housed in a plastic case with a built in DIN rail mounting foot. The case dimensions are 4.3"L x 0.89"W x 2.9"H. All connections are made to easily accessible screw clamp terminals.



Model	8920-500-DC	8921-1250-DC
Input	Type J	Type K
Temperature Range	0°C to +500°C Grounded or Ungrounded TC	0°C to +1250°C Grounded or Ungrounded TC
Output	0 to +10 Volts (20 mV/°C) 5K Ohm Minimum Resistive Load	0 to +10 Volts (8 mV/°C) 5K Ohm Minimum Resistive Load
Linearization	±2°C (Does not include thermocouple error)	
Cold Junction Compensation		
@ 25°C Ambient	±1.5°C	±1.5°C
+2° to 55°C Ambient	±0.05°C / °C	±0.05°C / °C
Temperature Coefficient		
Zero	0.02°C / °C	0.02°C / °C
Reading	0.015%/°C / °C	0.015%/°C / °C
Response Time	1.5 sec	1.5 sec
Isolation - 3 Way	700 VDC	700 VDC
Power Requirements	22 to 26 Volts DC, Unregulated 15 mA	
Environment		
Operating	+2°C to +55°C	
Storage	-40°C to +80°C	
Physical	Plastic Case (UL-94V-1) with Built in DIN Rail Mounting Foot	
Size	4.33"H x 0.895"W x 2.95"L (110 x 22.5 x 75 mm)	
Weight	5 oz. (142 grams)	
Agency Approvals	UL 508, C22.2 No 14-M91, UL 1604, C22.2 No 213-M1987	

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MODEL 89XX
CASE DIMENSIONS

