

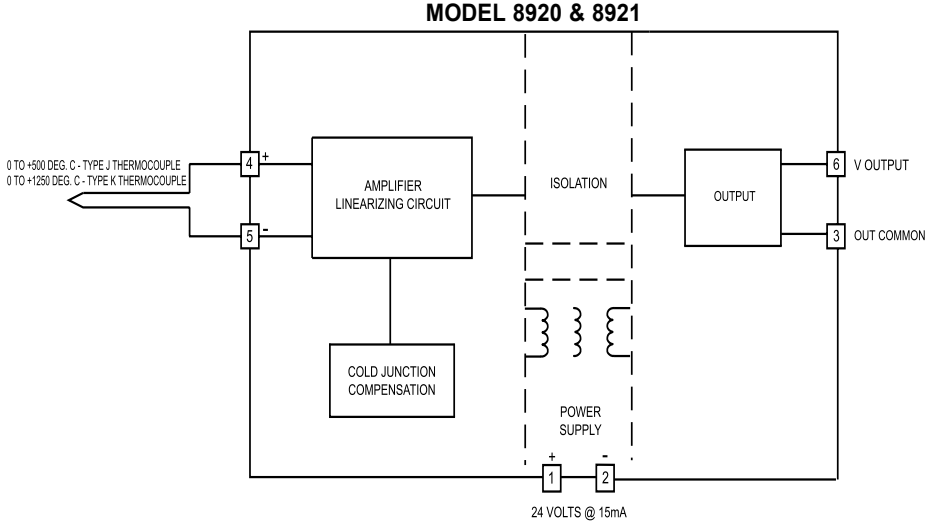


The 8900 Series offers a low cost TC (thermocouple) and RTD signal conditioning solution for applications that require a 0-10V output signal. All models isolate and linearize. The thermocouple conditioners also have cold junction compensation. The 8900 Series also offers a variety of analog to analog isolators, i.e. 0 - 50 mV to 0 - 10 V or 4 - 20 mA to 0 - 10 V etc. The isolation is three way, input to output, input to power and output to power. All models are powered by 24 VDC.

All models 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	Condition	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 Resitive Load	0 to +10 Volts (8 mV / °C 5k Ohm Minimum Resitive 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 15mA	
Environment	Operating	+2°C to +55°C	
	Storage	-40°C to +80°C	
Physical	Size	Plastic Case (UL-94V-1) with built in Din Rail Mounting Foot 4.33" H x 0.895" W x 2.95" L (11 x 22.5 x 75 mm)	
	Weight	5 oz (142 grams)	
Agency Approvals		UL 508, C22.2 No 14-M91	

Models 8920, 8921



MODEL 89XX CASE DIMENSIONS

