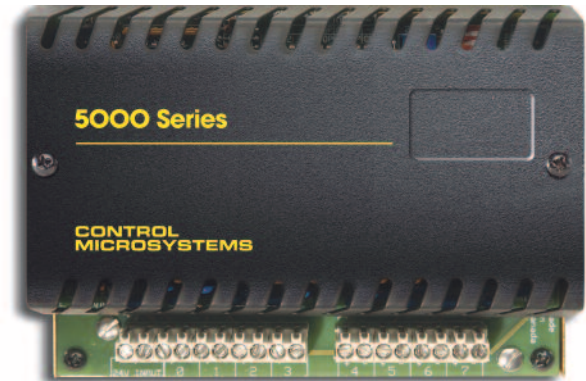


# 5504

## Thermocouple Input Module

### Features:

- Eight type J, K, E, T or  $\pm 80\text{mV}$  inputs
- Optical Isolation for high reliability
- Integrated transient protection
- Linearized and cold junction compensated
- 3 year warranty on parts and labor



### Specifications

<b>Input Points</b>	8 thermocouples or millivolt signals
<b>Thermocouple Types and Ranges</b>	J: -200 to 760°C K: -270 to 1370°C E: -270 to 1000°C T: -270 to 400°C mV $\pm 80\text{mV}$
<b>Resolution</b>	0.004 mV, approximately 0.10°C
<b>Input Resistance</b>	1M $\Omega$
<b>Accuracy Over -40°C to 60°C Operating Temperature Range</b>	J: $\pm 0.20\%$ of full scale K: $\pm 0.20\%$ of full scale E: $\pm 0.15\%$ of full scale T: $\pm 0.50\%$ of full scale mV $\pm 0.15\%$ of full scale
<b>Cold Junction Compensation</b>	$\pm 0.5^\circ\text{C}$ maximum error from 0 to 60°C, $\pm 1^\circ\text{C}$ maximum error from -40 to 0°C
<b>Converter Type</b>	$\pm 20000$ count, integrating
<b>Common Mode Voltage Range</b>	$\pm 10\text{V}$ can be applied to the inputs, relative to the -24V power supply input.
<b>Isolation</b>	500VAC from the logic power
<b>Transient Protection</b>	MOVs on each input
<b>Response Time</b>	0.5 seconds
<b>Power Requirements</b>	5V @ 40mA 20 to 28V @ 45mA
<b>Terminations</b>	10 pole and 8 pole, two fixed terminal blocks, 12 - 22 AWG, 15 amp contacts
<b>Dimensions</b>	5.65 inch [144 mm] wide, 4.625 inch [118 mm] high, 1.75 inch [44 mm] deep
<b>Mounting</b>	7.5 x 35 DIN rail
<b>Packaging</b>	Corrosion resistant zinc plated steel with black enamel paint
<b>Environment</b>	5% RH to 95% RH, non-condensing, -40°C/F to 60°C /140°F
<b>Safety</b>	Class 1, Division 2 for use in hazardous locations
<b>Part Number</b>	297166