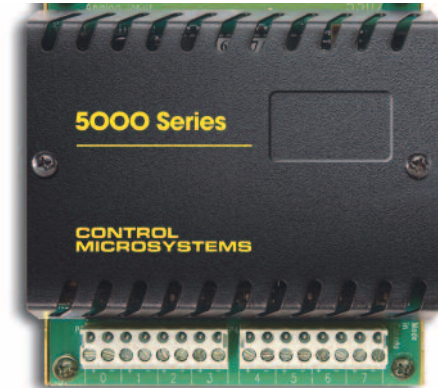


# 5502

## Differential Analog Input Module

### Features:

- Differential Isolated Inputs for high versatility
- Integrated transient protection with fusing
- Bipolar 13 bit resolution
- High common mode voltage rejection and tolerance
- 3 year warranty on parts and labor



### Specifications

<b>Input Points</b>	8 voltage or current inputs, each input is switch selectable as voltage or current
<b>Ranges</b>	Voltage -10V to +10V, Current -20mA to +20mA
<b>Resolution</b>	Voltage 1.22mV, Current 4.88 $\mu$ A
<b>Input Resistance</b>	Voltage > 10M $\Omega$ , Current 250 $\Omega$
<b>Converter Type</b>	13 bit plus sign successive approximation
<b>Accuracy</b>	+/- 0.1% of full scale at 25°C (77°F) +/- 0.2% of full scale over temperature range
<b>Isolation</b>	550VAC from any input to the chassis or the system power supplies. 140VAC/200VDC between inputs
<b>Common Mode Rejection</b>	>96dB at 50/60 Hz, >50dB at 10KHz. with 1K $\Omega$ imbalance >50dB at 1KHz. with 10K $\Omega$ imbalance
<b>Normal Mode Rejection</b>	>45dB at 50 / 60 Hz
<b>Transient Protection</b>	Transient suppressors and fuses on each input. 2.5kV surge withstand capability as per ANSI/IEEE, C37.90.1-1989
<b>Over-Scale Input Capacity</b>	12VDC maximum. Exceeding 12V will cause the fuse to blow.
<b>Input Fuses</b>	1/8 Amp.
<b>Reading Update Time</b>	170ms with 60Hz. rejection selected. 185mS with 50Hz rejection selected.
<b>Power Requirements</b>	5V @ 100mA
<b>Terminations</b>	Two 8 pole, removable 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>	297211