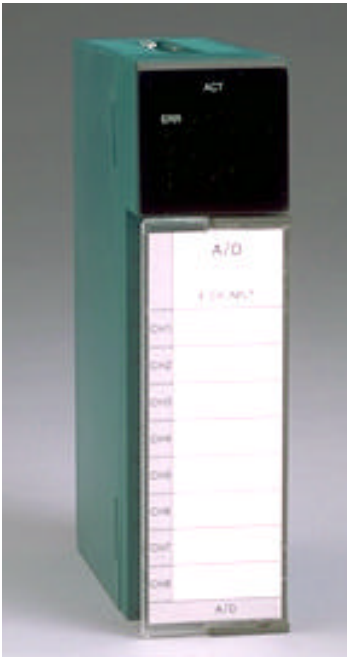


AD031 – 8 Channel Current Analog Input

1/8/2008



Specifications		
Number of channels	8 differential	
Input ranges	0~20 mA, 4~20 mA, +/-20 mA (input impedance 250 Ω)	
Line break detection	4 – 20 mA	
Resolution	12 bits	
Accuracy	±0.2% max at 25°C	
Drift	Zero drift: +/-0.06 μV/°C	Span drift: +/-30 PPM/°C
Step response (5~95%)	18 ms/channel	
Setup time	20 ms/channel	
Settle time	50 ms/channel	
Conversion method	Sigma-Delta	
Rejection mode	Common: 150 dB@60 Hz	Normal: 150 dB@60 Hz
Isolation	2.5 KV optical isolation between input signals and CPU	
Internal current consumption	400 mA	
Range selection	DIP switches, all channels must be same range	
External connections	20-pt. terminal block connector, max. wire size #14 AWG	
Weight	395 g	
Features		
<ul style="list-style-type: none"> • Built-in high/low limit detection capabilities. • Individual channel enable/disable • Engineering Unit Scaling 		

