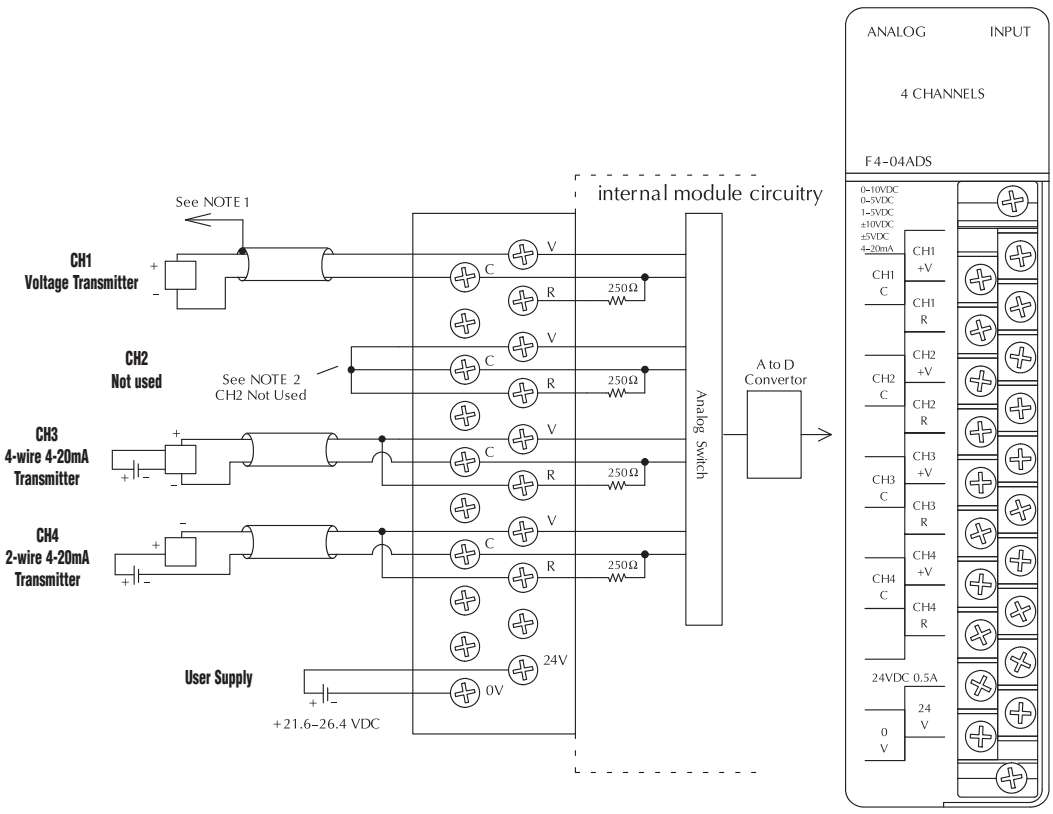


# Analog Input Modules

F4-04ADS 4-Channel Isolated Analog Input <--->	
<b>Number of Channels</b>	4
<b>Input Ranges</b>	0-5V, 0-10V, 1-5V, ±5V, ±10V 0-20mA, 4-20mA
<b>Channels Individually Configurable</b>	Yes
<b>Resolution</b>	12 bit (1 to 4,096)
<b>Conversion Method</b>	Successive Approximation
<b>Input Type</b>	Differential
<b>Max. Common Mode Voltage</b>	± 750V peak continuous transformer isolation
<b>Noise Rejection Ratio</b>	Common mode: -100dB @ 60Hz
<b>Active Low-pass Filtering</b>	-3dB at 20Hz, -12 dB per octave
<b>Input Impedance</b>	250Ω ± 0.1%, 1/2W current input 200KΩ voltage point
<b>Absolute Maximum Ratings</b>	-45mA to + 45mA, current input ± 100V voltage input
<b>Conversion Time</b>	1ms per selected channel
<b>Linearity Error:</b>	<i>unipolar</i> ± 1 count (0.025% of full scale) max. <i>bipolar</i> ± 2 counts (0.025% of full scale) max.
<b>Full Scale Calibration Error</b>	± 8 counts maximum ( $V_{in} = 20mA$ )
<b>Offset Calibration Error</b>	± 8 counts maximum ( $V_{in} = 4mA$ )

<b>PLC Update Rate</b>	1 channel per scan
<b>Digital Input Points Required</b>	16 (X) input points (12 binary data bits, 4 active channel indicator bits)
<b>Accuracy vs Temperature</b>	± 100 ppm/°C maximum full scale (including maximum offset)
<b>Terminal Type (included)</b>	Removable (D4-16IOCON)
<b>Base Power Required 5V</b>	270mA
<b>External Power Supply</b>	24VDC, ± 10%, 120mA, class 2
<b>Recommended Fuse</b>	0.032 A, Series 217 fast-acting, current inputs
<b>Operating Temperature</b>	32° to 140°F (0 to 60°C)
<b>Accuracy vs. Temperature</b>	±100 ppm /°C maximum full scale (including maximum offset)
<b>Storage Temperature</b>	-4 to 158°F (-20 to 70°C)
<b>Relative Humidity</b>	5 to 95% (non-condensing)
<b>Environmental Air</b>	No corrosive gases permitted
<b>Vibration</b>	MIL STD 810C 514.2
<b>Shock</b>	MIL STD 810C 516.2
<b>Noise Immunity</b>	NEMA ICS3-304

One count in the specification table is equal to one least significant bit of the analog data value (1 in 4,096).  
NOTE 1: Shields should be grounded at signal source  
NOTE 2: Unused channels should have V & C & R of the channels jumpered



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- DL105 PLC
- DL205 PLC
- DL305 PLC
- DL405 PLC**
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- Software
- C-more HMIs
- Other HMI
- AC Drives
- Motors
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- Photo Sensors
- Limit Switches
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