

Analog Input Modules

F3-04ADS 4-Channel Isolated Analog Input <--->	
Number of Channels	4, (isolated)
Input Ranges	0-5V, 0-10V, 1-5V, $\pm 5V$, $\pm 10V$, 0-20mA, 4-20mA
Channels Individually Configured	Yes
Resolution	12 bit (1 in 4096)
Input Type	Differential
Max. Common Mode Voltage	$\pm 750V$ peak continuous transformer isolation
Noise Rejection Ratio	Common mode: -100dB at 60Hz
Active Low-pass Filtering	-3dB at 10Hz, -12dB per octave
Input Impedance	250ohm \pm 0.1%, 1/2W current input, 200Kohm voltage input
Absolute Maximum Ratings	± 40 mA, current input $\pm 100V$, voltage input
Conversion Time	1 channel per scan, successive approximation, AD574
Linearity Error	± 1 counts max. (0.03% of full scale) unipolar ± 2 counts max. (0.05% of full scale) bipolar
Full Scale Calibration Error	± 8 counts maximum

Offset Calibration Error	± 8 counts maximum
Accuracy vs. Temperature	57ppm/°C maximum full scale
Recommended Fuse	0.032A, Series 217 fast-acting, current inputs
Power Budget Requirement	183mA @ 9VDC, 50mA @ 24VDC
External Power Supply	None required
Operating Temperature	32° to 140°F (-0° to 60°C)
Storage Temperature	-4° to 158° F (-20° to 70°C)
Relative Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	MIL STD 810C 514.2
Shock	MIL STD 810C 516.2
Noise Immunity	NEMA ICS3-304

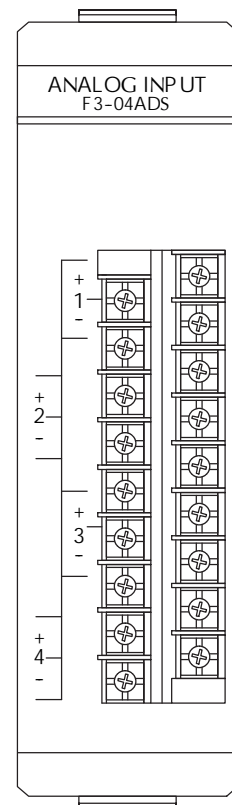
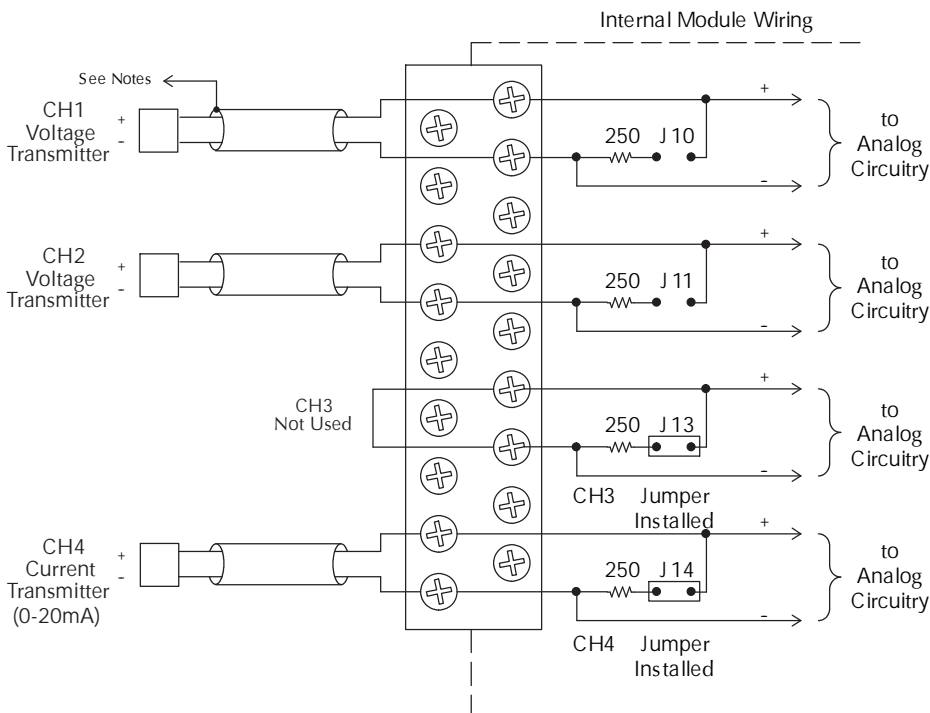
Note 1: Connect unused voltage or current inputs to 0VDC at terminal block or leave current jumper installed (see Channel 3).

Note 2: A Series 217, 0.032A, fast-acting fuse is recommended for 4-20mA current loops.

Note 3: Transmitters may be 2, 3, or 4 wire type.

Note 4: Transmitters may be powered from separate power sources.

Note 5: Terminate all shields of the cable at their respective signal source.



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- DL105 PLC
- DL205 PLC
- DL305 PLC**
- DL405 PLC
- Field I/O
- Software
- C-more HMIs
- Other HMI
- AC Drives
- Motors
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- Motor Controls
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