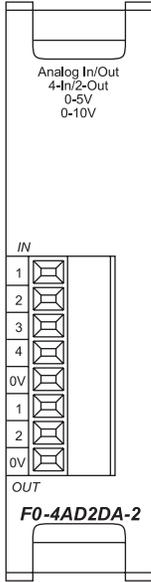


# DL05/06 Option Modules

## F0-4AD2DA-2 <--->

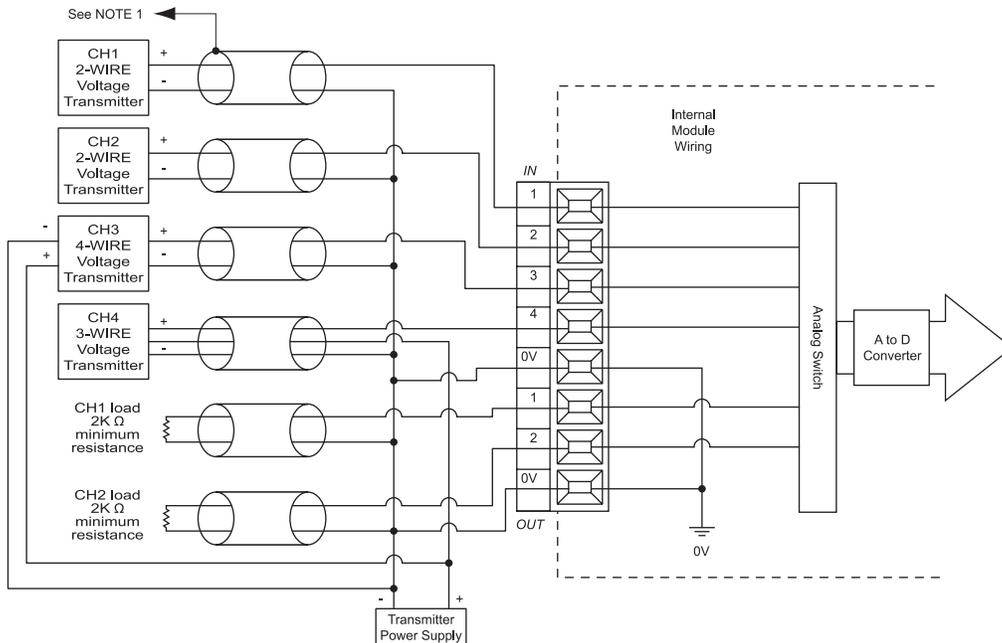
4-channel analog voltage input  
2-channel analog voltage output  
module



F0-4AD2DA-2 Input Specifications	
<b>Number of Channels</b>	4, single ended (one common)
<b>Input Range</b>	0 to 5VDC or 0 to 10VDC (jumper selectable)
<b>Resolution</b>	12 bit (1 in 4096)
<b>Step Response</b>	10.0mS to 95% of full step change
<b>Crosstalk</b>	1/2 count max (-80db)*
<b>Active Low-pass Filtering</b>	-3dB at 300Hz (-12dB per octave)
<b>Input Impedance</b>	>20KΩ
<b>Absolute Max Ratings</b>	±15V
<b>Linearity Error (end to end)</b>	±2 count (0.025% of full scale) max*
<b>Input Stability</b>	±1 count*
<b>Gain Error</b>	±6 counts max*
<b>Offset Error</b>	±2 counts max*
<b>Max Inaccuracy</b>	±0.3% at 25°C (77°F) ±0.6% at 0 to 60°C (32 to 140°F)
<b>Accuracy vs. Temperature</b>	±100 ppm/°C typical

F0-4AD2DA-2 Output Specifications	
<b>Number of Channels</b>	2, single ended (one common)
<b>Output Range</b>	0 to 5VDC or 0 to 10VDC (jumper selectable)
<b>Resolution</b>	12 bit (1 in 4096)
<b>Conversion Settling Time</b>	50μS for full scale change
<b>Crosstalk</b>	1/2 count max (-80db)*
<b>Peak Output Voltage</b>	±15VDC (power supply limited)
<b>Offset Error</b>	0.1% of range
<b>Gain Error</b>	0.4% of range
<b>Linearity Error (end to end)</b>	±1 counts (0.075% of full scale) max*
<b>Output Stability</b>	±2 counts*
<b>Load Impedance</b>	2KΩ max
<b>Load Capacitance</b>	0.01μF max
<b>Accuracy vs. Temperature</b>	±50 ppm/°C typical

\* One count in the specification table is equal to one least significant bit of the analog data value (1 in 4096)



NOTE 1: Ground shields at the signal source.  
NOTE 2: Connect all external power supply commons.