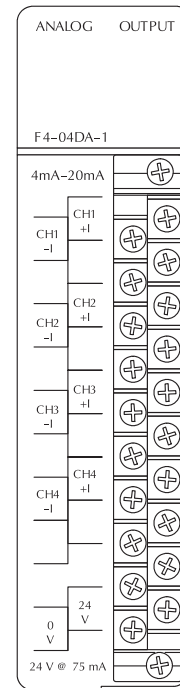
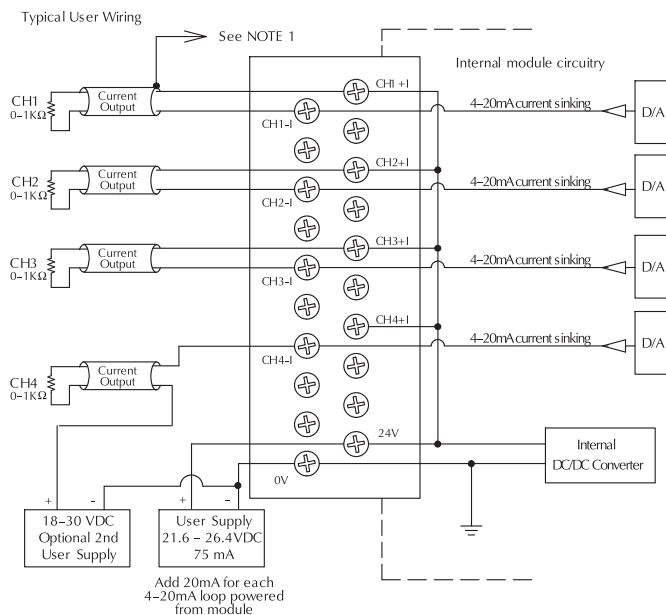


Analog Output Modules

F4-04DA-1 4-Channel Analog Current Output <---->	
Number of Channels	4, single-ended (one common)
Output Range	4-20mA current
Resolution	12 bit (1 to 4095)
Output Type	Outputs sink 4-20mA from external supply
External Load Resistance	0Ω minimum
Maximum Loop Supply	30VDC
Peak Output Voltage	40VDC (clamped, transient suppressor)
Maximum Load/Power Supply	620Ω/18V, 910Ω/24V, 1200Ω/30V
Linearity Error (best fit)	± 1 count (±0.025%) maximum
Gain Calibration Error	± 5 counts maximum
Offset Calibration Error	± 3 counts maximum
Maximum Inaccuracy	±0.1% @ 77° F (25° C) ±0.3% @ 32 to 140° F (0 to 60° C)
Conversion Time	100μs max., settling time 2.0ms max., digital out to analog out

Digital Output Points Required	16 (Y) output points (12 bits binary data, 4 active channel bits)
Base Power Required 5V	70mA
External Power Supply	21.6-26.4VDC, 75mA, class 2 (add 20mA for each current loop used)
Accuracy vs. Temperature	± 57 ppm/°C full scale calibration range (including maximum offset change, 2 counts)
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

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 connected to the 0V of the User Power Supply at the module terminal block
NOTE 2: Unused current outputs should remain open (no connections)



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