

Analog Output Modules

F3-04DAS 4-Channel Isolated Analog Output <--->	
Number of Channels	4
Output Ranges	±5V, ±10V, 0 - 5V, 0 - 10V, 1 - 5V 0-20mA, 4-20mA
Channels Individually Configurable	Yes
Resolution	12-bit (1 in 4096)
Output Type	Isolated, 750 VDC channel-to-channel 750 VDC channel-to-logic
Output Current	±5mA voltage output
Short-circuit Current	±20mA typical, voltage output
Capacitive Load Drive	0.1µF typical, voltage output
Load Impedance	470ohm maximum, current output 2Kohm minimum, voltage output
Isolation Mode Rejection	140dB at 60Hz
Linearity Error	±1 count (±0.03% maximum)
Calibration Error	±0.15% typical, ±0.75% max. of span ±10 ppm/°C maximum of full scale

Calibrated Offset Error	±1 count maximum, current output ±5 mV typical, ±50mV max., voltage out ±0.2mV typical /°C
Conversion Time	30µS maximum, 1 channel/scan
Power Budget Requirement	154mA @ 9V, 145mA @ 24V
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: Shields should be connected to the respective channel's -V terminal of the module.

Note 2: Each isolated output channel may have either a voltage or current load, but not both.

Note 3: An external 0.31 Amp fast-acting fuse in series with the isolated +I terminal (+15VDC) is recommended to protect against accidental shorts to the -V terminal (15VDC common).

Note 4: Do not attempt to source more than 20mA from any one of the four isolated 15VDC power supplies.

