

Analog Current Output Modules

F2-02DAS-1 2-Channel Isolated 4-20 mA Analog Output	
Number of Channels	2, isolated
Output Ranges	4 to 20 mA
Resolution	16 bit (1 in 65536)
Output Type	Current sourcing
Digital Output Points Required	32 (Y) output points (16 binary data bits, 2 channel ID bits, 1 output enable bit)
Isolation Voltage	±750 V continuous, channel to channel, channel to logic
Base Power Required 5VDC	100 mA
Loop Supply	18-32 VDC
External Power Supply	18-32 VDC @ 50 mA per channel
Output Loop Compliance	V _{in} - 2.5V
Load Impedance	0-1375 Ω (@ 32 V)
Maximum Load/ Power Supply	375 Ω/12 V, 975 Ω/24 V, 1375 Ω/32 V
PLC Update Rate	1 channel per scan maximum (D2-230 CPU) 2 channels per scan maximum (D2-240, D2-250(-1) and D2-260 CPUs)
Conversion Settling Time	3ms to 0.1% of full scale

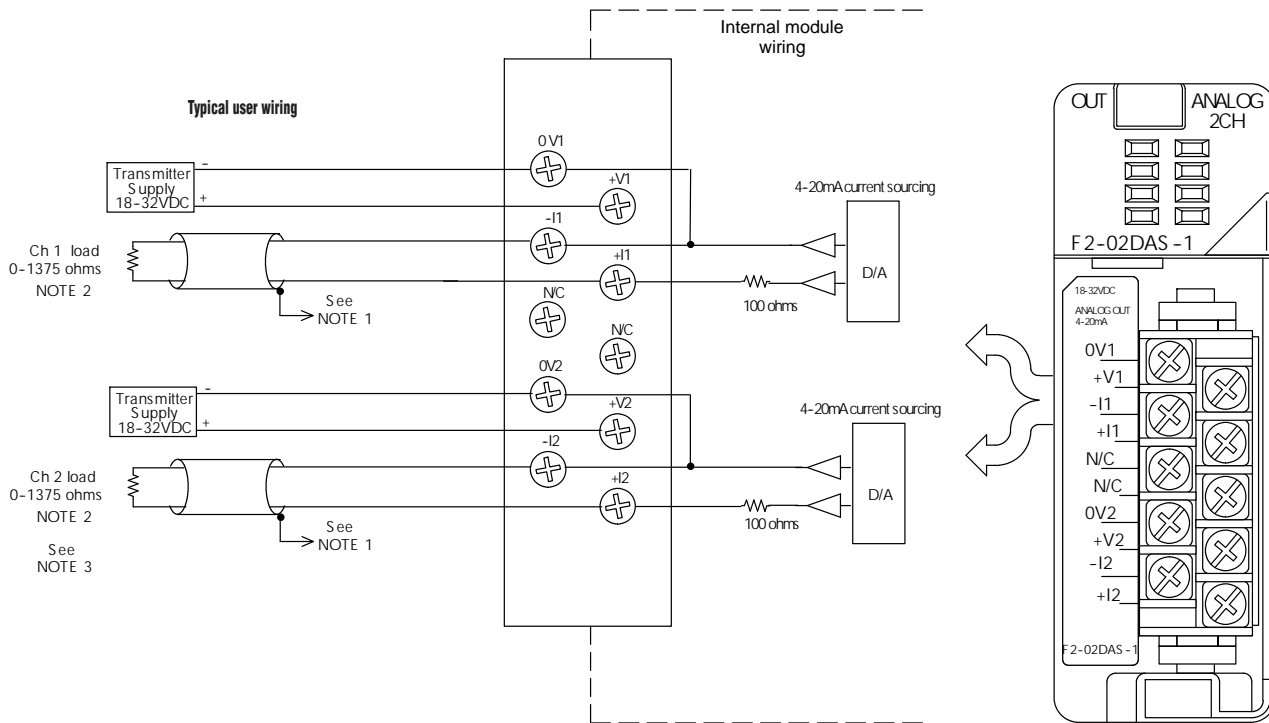
Linearity Error (end to end)	±10 count (±0.015% of full scale) maximum
Gain Calibration Error	±32 counts (±0.05%)
Offset Calibration Error	±13 counts (±0.02%)
Output Drift	50 ppm/°C
Maximum Inaccuracy	0.07% @ 25°C (77°F) 0.18% 0 to 60°C (32° to 140°F)
Operating Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	-20° to 70°C (-4° to 158°F)
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
Terminal Type (included)	Removable; D2-8IOCON

One count in the specification table is equal to one least significant bit of the analog data value (1 in 65536).

NOTE 1: Shields should be connected to the 0V terminal of the module.

NOTE 2: Load must be within compliance voltage.

NOTE 3: For non-isolated outputs, connect all 0V's together (0V1...0V2) and connect all +V's together (+V1...+V2).



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- DL205 PLC**
- DL305 PLC
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