

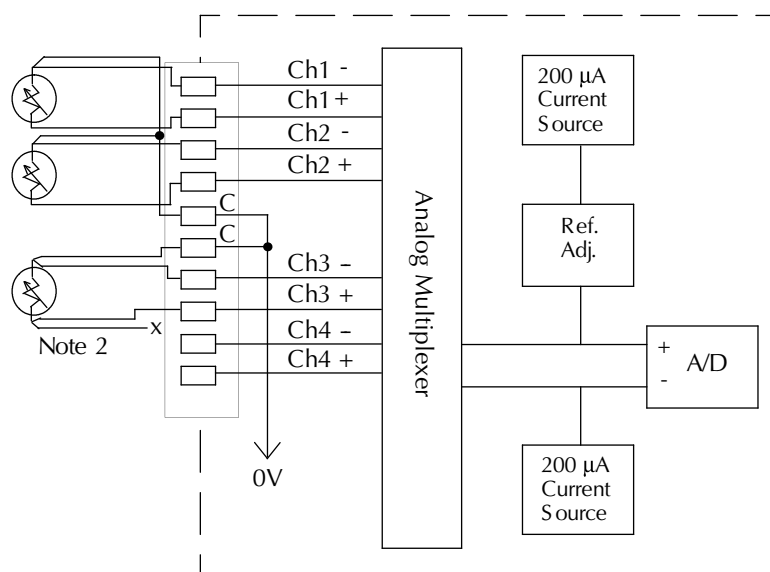
Temperature Input Modules

F2-04RTD 4-Channel RTD In \$539.00	
Number of Channels	4
Input Ranges	Type Pt100: -200.0 to 850.0°C, -328 to 1562°F Type Pt1000: -200.0 to 595.0°C, -328 to 1103°F Type jPt100: -38.0 to 450.0°C, -36 to 842°F Type Cu-10Ω/Cu-25Ω: -200.0 to 260.0°C, -328 to 500°F
Resolution	16 bit (1 in 65535)
Display Resolution	±0.1°C, ±0.1°F (±3276.7)
RTD Excitation Current	210μA
Input Type	Differential
Notch Filter	>50dB notches at 50/60 Hz -3dB = 13.1 Hz
Maximum Setting Time	100ms (full-scale step input)
Common Mode Range	0–5 VDC
Absolute Maximum Ratings	Fault protected inputs to ±50VDC
Sampling Rate	160ms per channel

Converter Type	Charge Balancing
Linearity Error	±0.05°C maximum, ±0.01°C typical
Maximum Inaccuracy	Type Pt100, Pt1000, jPt100: ±1°C Type Cu-10Ω/Cu-25Ω: ±5°C
PLC Update Rate	4 channel/scan max., D2-262 CPU
Digital Input Points Required	32 input points (16 binary data bits, 2 channel ID bits, 4 fault bits)
Base Power Required 5VDC	90A
Operating Temperature	32° to 140°F (0° to 60°C)
Storage Temperature	-4° to 158°F (-20° to 70°C)
Temperature Drift	None (self-calibrating)
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

Typical user wiring

Note 1



Notes:

1. The three wires connecting the RTD to the module must be the same type and length. Do not use the shield or drain wire for the third connection.
2. If an RTD sensor has four wires, the plus sense wire should be left unconnected as shown.
3. This module is not compatible with the ZIPLink wiring systems.

