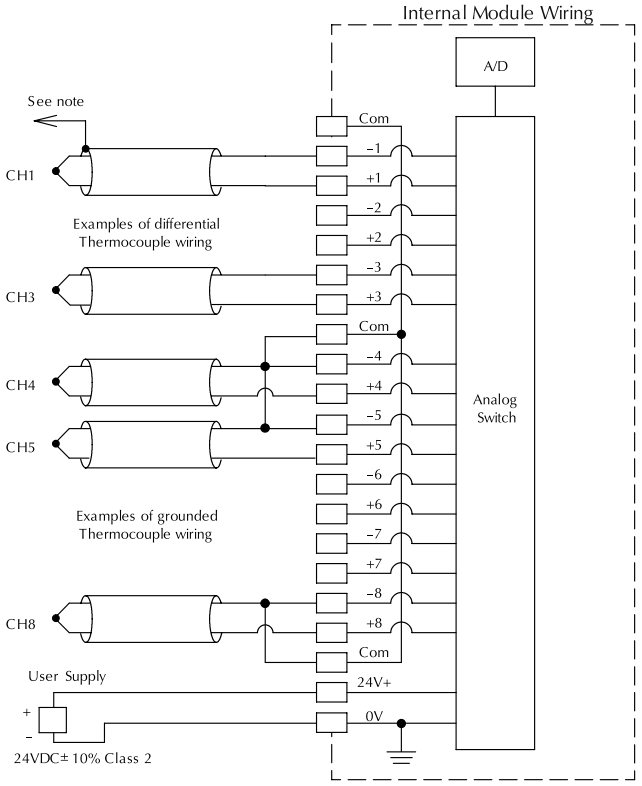
Temperature Input Modules

F4-08THM-J-n 8-Channel Thermocouple Input $;;000b,p:	
When you order the module, replace the "n" with the type of Thermocouple needed. For example, to order a Type J thermocouple module, order part number F4-08THM-J.	
Number of channels	8, differential inputs
Input Ranges	Type J -210/760°C, -350/1390°F
Resolution	12 bit (1 in 4,096)
Input Impedance	27kΩ
Absolute Maximum Ratings	Fault protected input, 130 Vrms or 100VDC
Cold Junction Compensation	Automatic
Conversion Time	15ms per channel, minimum 1 channel per CPU scan
Converter Type	Successive Approximation, 574

Linearity Error	± 1 count (0.03% of full scale) maximum
Full Scale Calibration Error	± 0.35% of full scale
Maximum Inaccuracy*	± 1°C for type J
PLC Update Rate	1 ch. per scan min., 8 per scan max.
Digital Input Points Required	16 (X) input points (12 binary data bits, 3 channel ID bits, 1 sign bit)
Base Power Required 5V	120mA
Terminal Type (included)	Non-removable
External Power Supply	24VDC ±10%, 50mA current
Operating Temperature	32 to 140°F (0 to 60°C)
Storage Temperature	-4 to 158°F (-20 to 70°C)
Accuracy vs Temperature*	57 ppm/°C maximum full scale
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: Terminate shields at the respective signal source **Note 2: Leave unused channels open (no connection)** **Note 3: This module is not compatible with the *ZIP*Link wiring system.**	



***Max. Inaccuracy is not guaranteed for temperatures lower than: -200°C for type J**