I-87018R Hardware User Guide *Ver 1.1*

87018R Specifications

Analog Input Module	
Input Channel	*8 differential input channels*
Input Type	*mV, V* *mA(with external 125 Ohms resistor)* *Thermocouple : J, K, T, E, R, S, B, N, C, L, M, L2*
Sampling Rate	*10 samples/second total*
-3dB BandWidth	*15.7Hz*
Accuracy	*+/-0.1%*
Common Mode Rejection	*150dB @50/60Hz*
Normal Mode Rejection	*100dB @50/60Hz*
Voltage Input Impedance	*2M Ohms*
Overvoltage Protection	*+/-240Vrms*
Power Consumption	*1.2W*

I-87018R Wire Connection
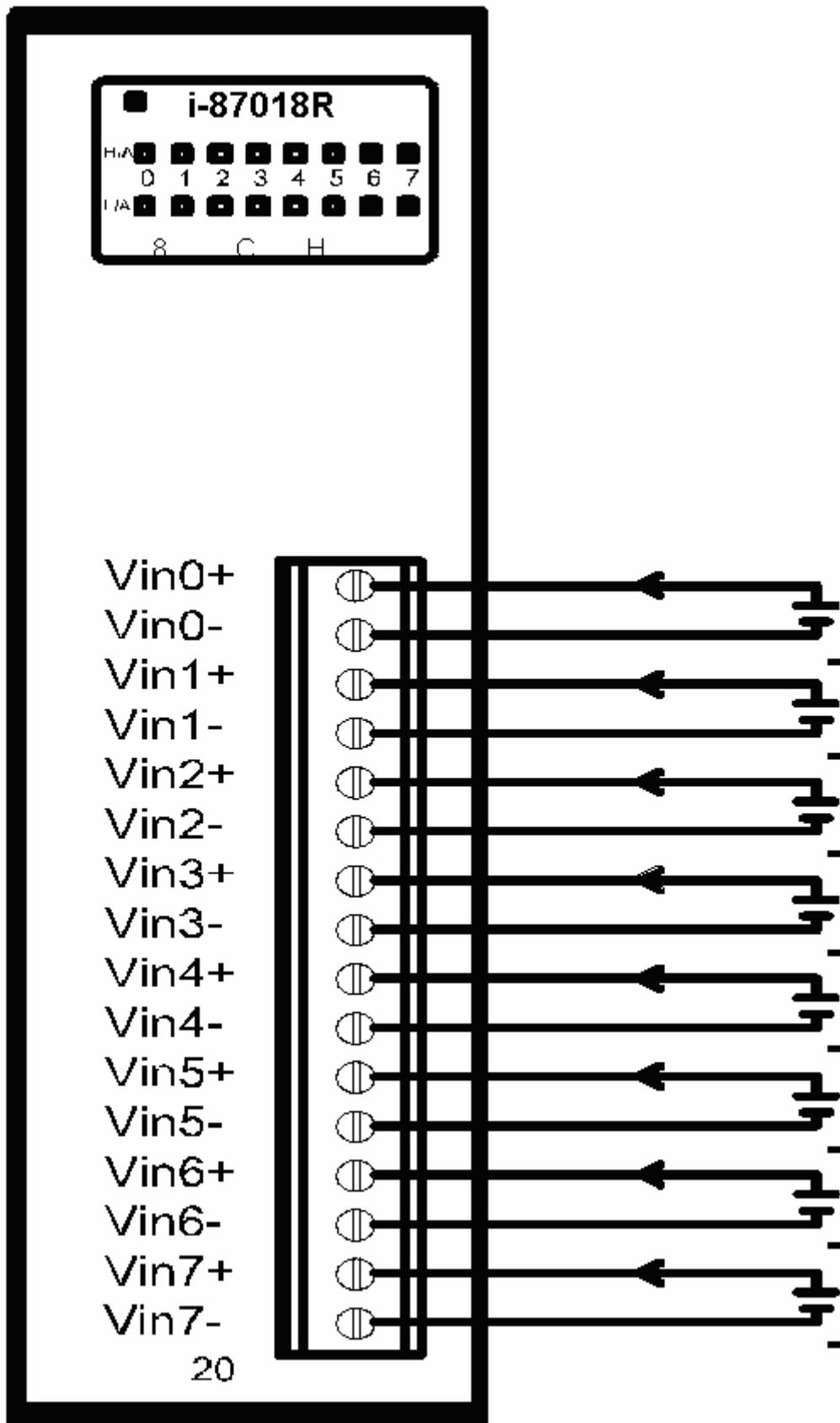
I-87018R Wire Connection Type

Voltage Input Wiring

mV/V (V) + − → Vinx+ Vinx-
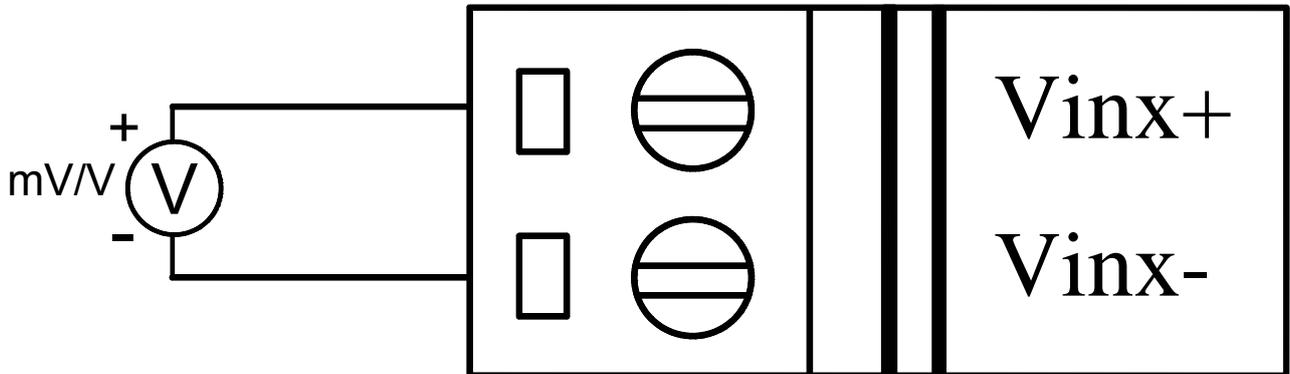
Current Input Wiring

mA + − 125Ω → Vinx+ Vinx-
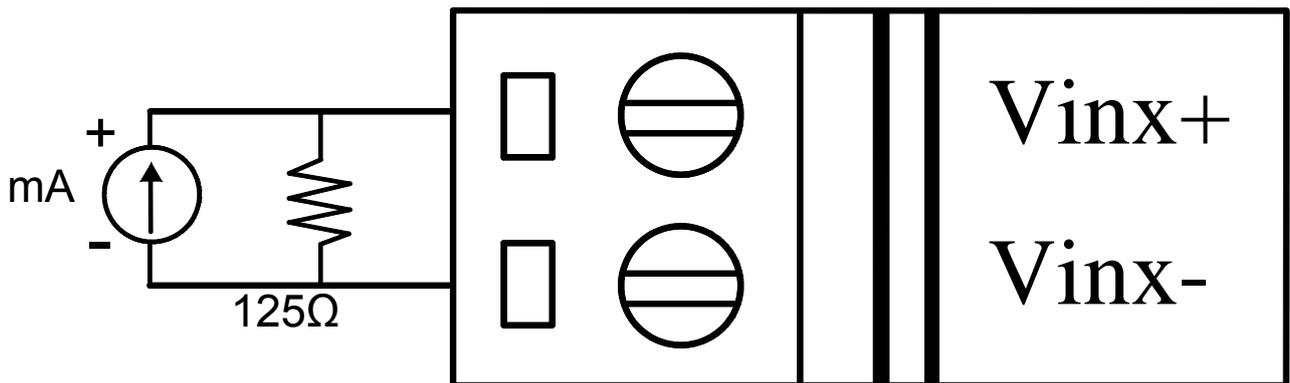
Thermocouple Input Wiring

Thermocouple + − → Vinx+ Vinx-
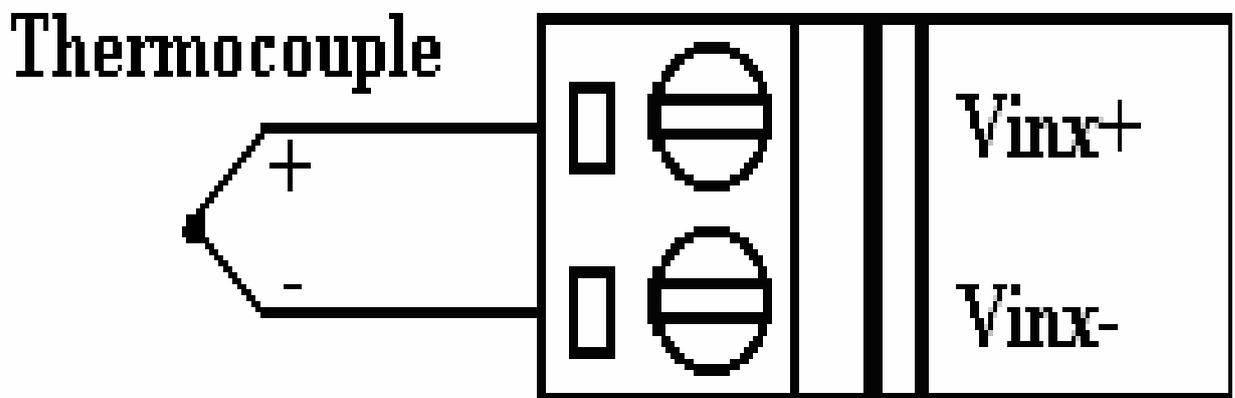
I-87018R Internal I/O Structure