

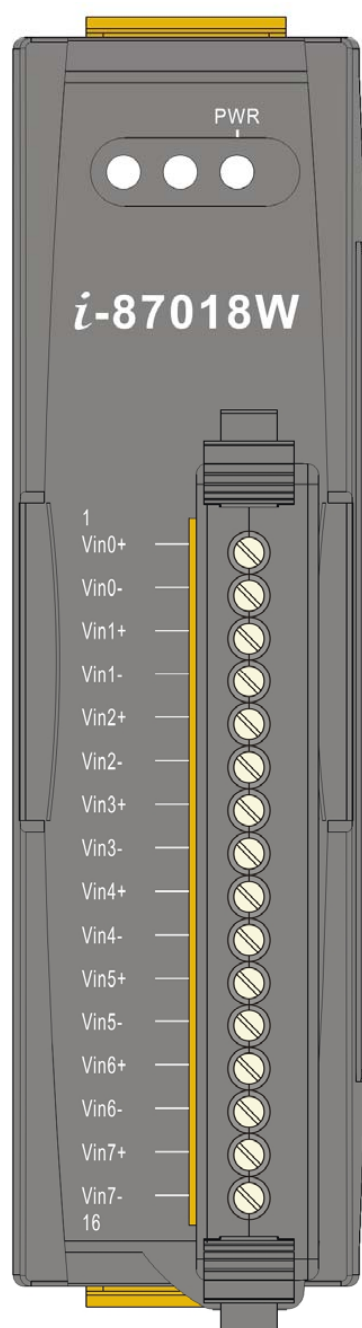
I-87018W Hardware User Guide *Ver. 1.1*

Last Modified 05/07/2007

I-87018W Specifications

Analog Input Module	
Input Channels	<i>8 differential</i>
Resolution	<i>16-bits</i>
Input Type	<i>±15mV, ±50mV, ±100mV, ±500mV, ±1V, ±2.5V ±20mA (Require External 125 Ohm Resistor) Thermocouple(J,K,T,E,R,S,B,N,C,L,M,L DIN43710)</i>
Sampling Rate	<i>10 samples/second total</i>
-3dB Bandwidth	<i>15.7Hz</i>
Accuracy	<i>±0.1% or better</i>
Common Mode Rejection	<i>150dB</i>
Normal Mode Rejection	<i>100dB</i>
Input Impedance	<i>20M Ohms</i>
Over voltage Protection	<i>-35V to +35V</i>
Open T/C Detection	<i>No</i>
4KV ESD Protection	<i>Yes(Contact)</i>
Isolation Voltage	<i>3000VDC</i>
Power Consumption	<i>0.8W max.</i>

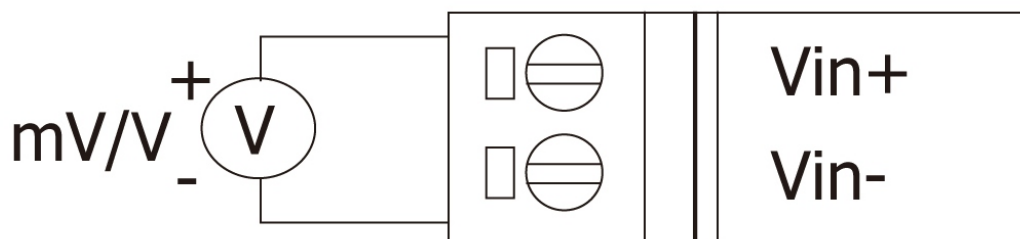
I-87018W Pin Assignment



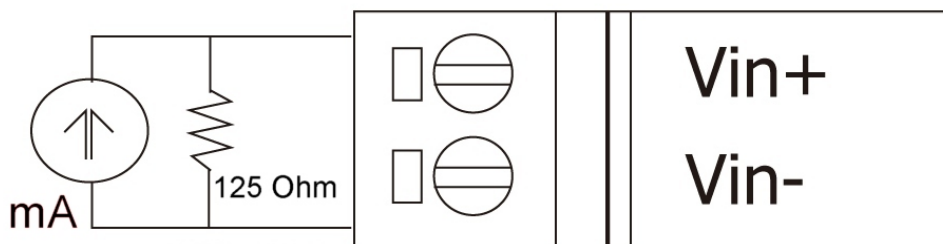
Terminal No.		Pin Assignment Name
	01	Vin0+
	02	Vin0-
	03	Vin1+
	04	Vin1-
	05	Vin2+
	06	Vin2-
	07	Vin3+
	08	Vin3-
	09	Vin4+
	10	Vin4-
	11	Vin5+
	12	Vin5-
	13	Vin6+
	14	Vin6-
	15	Vin7+
	16	Vin7-

I-87018W Wire Connection Type

Voltage Input Wiring

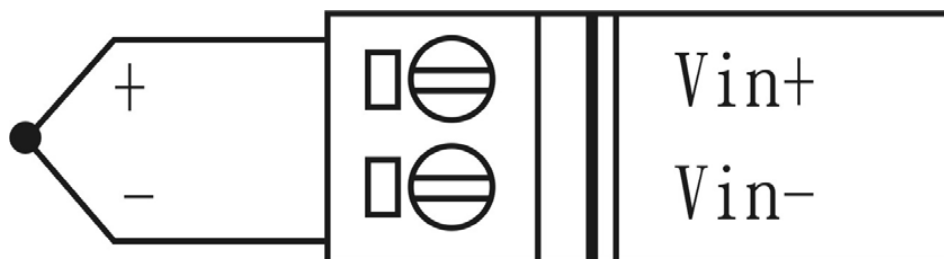


Current Input Wiring



Requires Optional External 125 Ohm Resistor

Thermocouple Input Wiring



I-87018W Internal I/O Structure

