

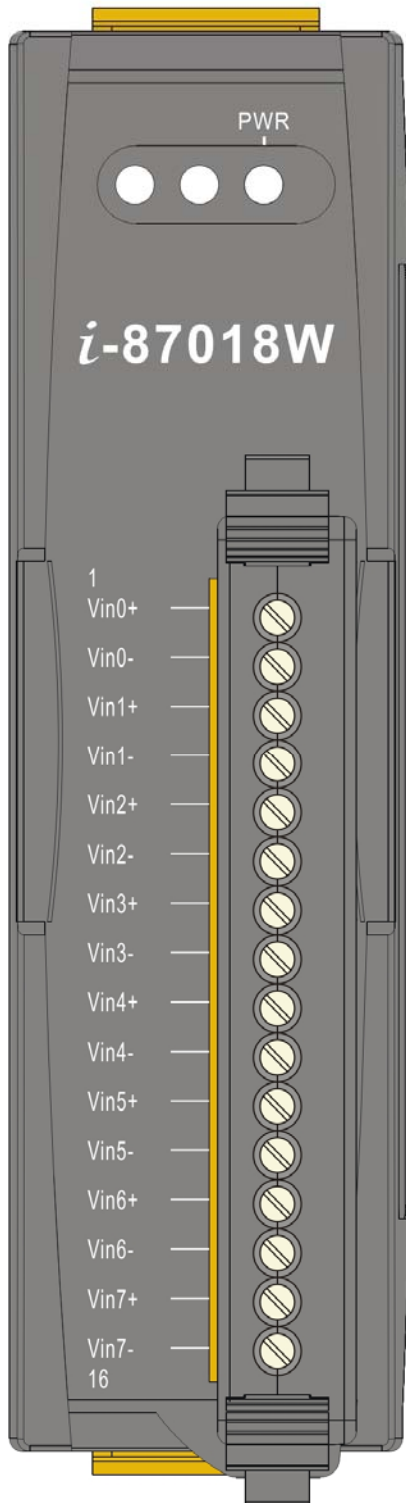
# I-87018W Hardware User Guide *Ver. 1.1*

*Last Modified 05/07/2007*

## ***I-87018W Specifications***

<b>Analog Input Module</b>	
<b>Input Channels</b>	<b><i>8 differential</i></b>
<b>Resolution</b>	<b><i>16-bits</i></b>
<b>Input Type</b>	<b><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,LDIN43710)</i></b>
<b>Sampling Rate</b>	<b><i>10 samples/second total</i></b>
<b>-3dB Bandwidth</b>	<b><i>15.7Hz</i></b>
<b>Accuracy</b>	<b><i>±0.1% or better</i></b>
<b>Common Mode Rejection</b>	<b><i>150dB</i></b>
<b>Normal Mode Rejection</b>	<b><i>100dB</i></b>
<b>Input Impedance</b>	<b><i>20M Ohms</i></b>
<b>Over voltage Protection</b>	<b><i>-35V to +35V</i></b>
<b>Open T/C Detection</b>	<b><i>No</i></b>
<b>4KV ESD Protection</b>	<b><i>Yes(Contact)</i></b>
<b>Isolation Voltage</b>	<b><i>3000VDC</i></b>
<b>Power Consumption</b>	<b><i>0.8W max.</i></b>

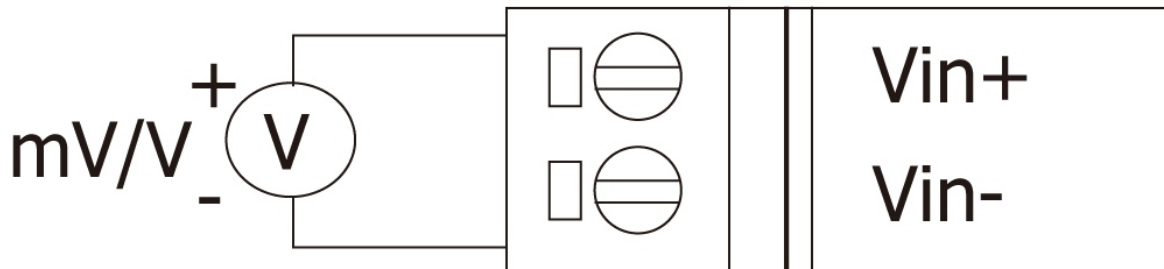
# I-87018W Pin Assignment



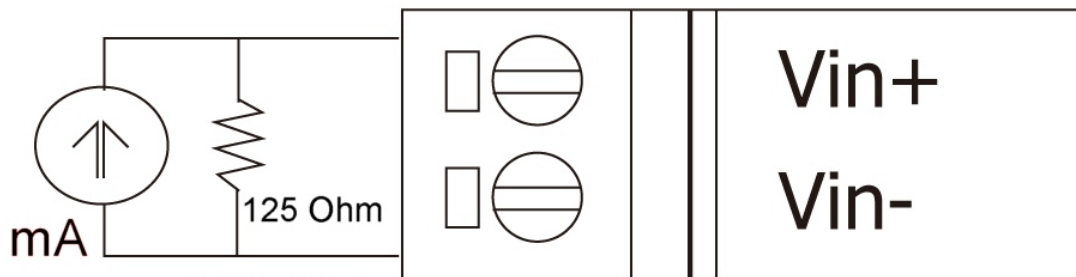
Terminal No.	Pin Assignment Name
01	Vin0+
02	Vin0-
03	Vin1+
04	Vin1-
05	Vin2+
06	Vin2-
07	Vin3+
08	Vin3-
09	Vin4+
10	Vin4-
11	Vin5+
12	Vin5-
13	Vin6+
14	Vin6-
15	Vin7+
16	Vin7-

# ***I-87018W Wire Connection Type***

## ***Voltage Input Wiring***

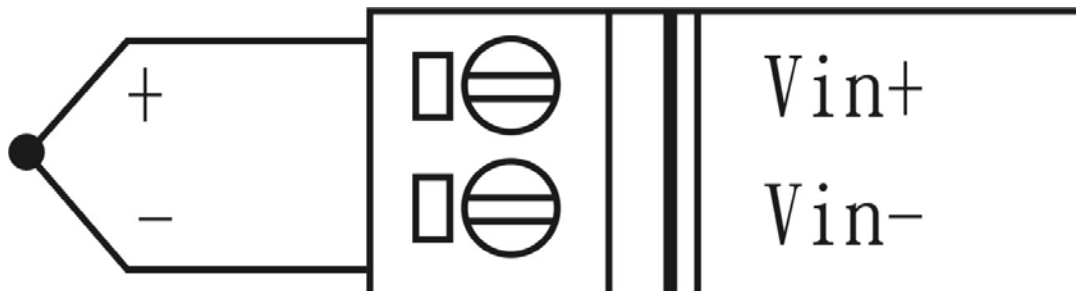


## ***Current Input Wiring***



***Requires Optional External 125 Ohm Resistor***

## ***Thermocouple Input Wiring***



# I-87018W Internal I/O Structure

