

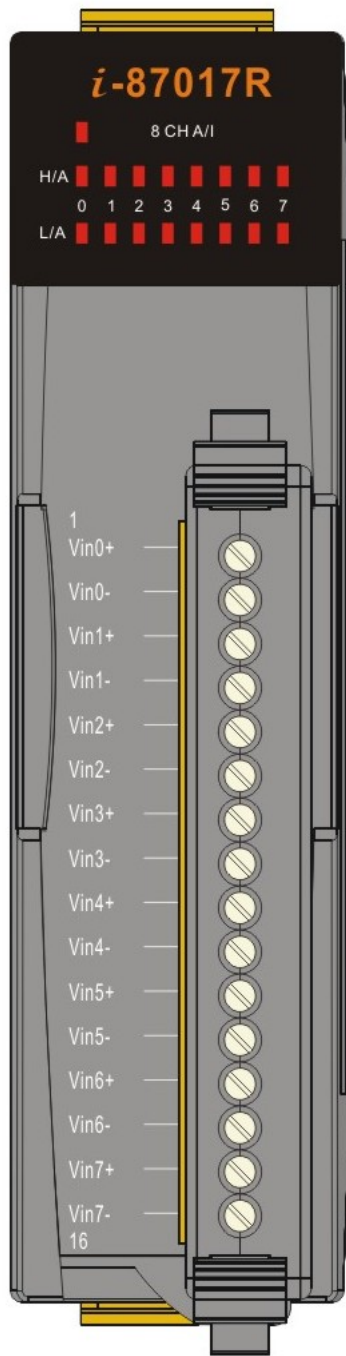
I-87017R Hardware User Guide *Ver. 1.1*

Last Modified 05/11/2007

87017R Specifications

Analog Input Module	
<i>Input Channels</i>	<i>8 differential</i>
<i>Resolution</i>	<i>12/16-bits (Fast/Normal)</i>
<i>Input Type</i>	<i>±10V, ±5V, ±1V, ±500mV, ±150mV, ±20mA</i>
<i>Sampling Rate</i>	<i>Normal mode: 10 samples/second total Fast mode: 60 samples/second total</i>
<i>-3dB Bandwidth</i>	<i>15.7Hz</i>
<i>Accuracy</i>	<i>Normal mode: +/-0.1% or better Fast mode: +/-0.5% or better</i>
<i>Common Mode Rejection</i>	<i>86dB</i>
<i>Input Impedance</i>	<i>>1M Ohms</i>
<i>Over voltage Protection</i>	<i>240 Vrms</i>
<i>Isolation Voltage</i>	<i>3000V DC</i>
<i>Power Consumption</i>	<i>1.3W max.</i>

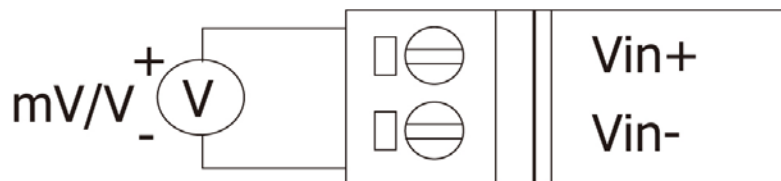
I-87017R Pin Assignment



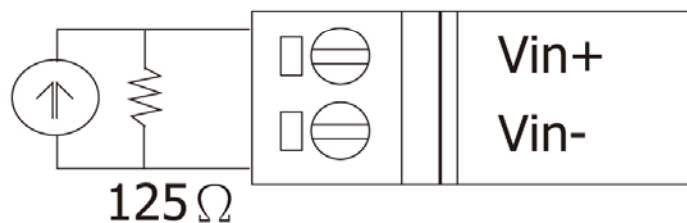
Terminal No.	Pin Assignment Name
01	Vin0+
02	Vin0-
03	Vin1+
04	Vin1-
05	Vin2+
06	Vin2-
07	Vin3+
08	Vin3-
09	Vin4+
10	Vin4-
11	Vin5+
12	Vin5-
13	Vin6+
14	Vin6-
15	Vin7+
16	Vin7-

I-87017R Wire Connection Type

Voltage Input Wiring



Current Input Wiring



TYPE	SIGNAL
08	± 10V
09	± 50V
0A	± 1V
0B	± 500mV
0C	± 150mV
0D	± 20mA

Note: When connecting to a current source, an optional external 125 Ω resistor is required.

I-87017R Internal I/O Structure

