

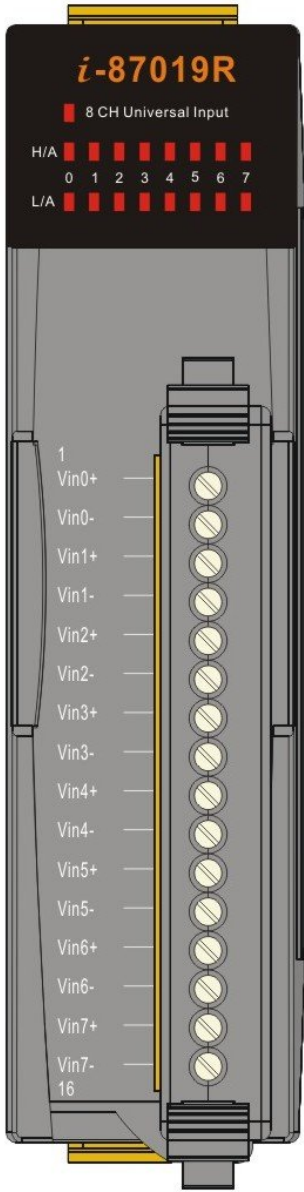
I-87019R Hardware User Guide *Ver. 1.0*

Last Modified 08/17/2006

87019R Specification

Analog Input Module	
Input Channels	8 differential
Resolution	16-bits
Input Type	$\pm 10V$, $\pm 5V$, $\pm 2.5V$, $\pm 1V$, $\pm 500mV$, $\pm 100mV$, $\pm 50mV$, $\pm 15mV$, $\pm 20mA$, Thermocouple(J, K, T, E. R. S, B, N, C, L, M, LDIN43710)
Sampling Rate	8 samples/second total
-3dB Bandwidth	15.7Hz
Accuracy	For $\pm 15mV$: $\pm 0.3\%$ or better For Others: $\pm 0.15\%$ or better
Common Mode Rejection	113dB
Input Impedance	$>1M$ Ohms
Over voltage Protection	240 Vrms
Isolation Voltage	3000V DC
Power Consumption	1.1W max.

I-87019R Pin Assignment



i-87019R
8 CH Universal Input

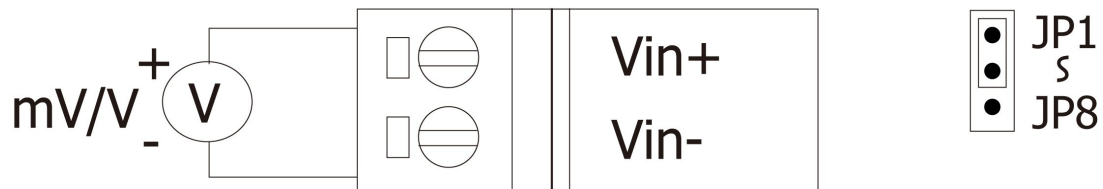
H/A 0 1 2 3 4 5 6 7
L/A

1 Vin0+
Vin0-
Vin1+
Vin1-
Vin2+
Vin2-
Vin3+
Vin3-
Vin4+
Vin4-
Vin5+
Vin5-
Vin6+
Vin6-
Vin7+
Vin7-
16

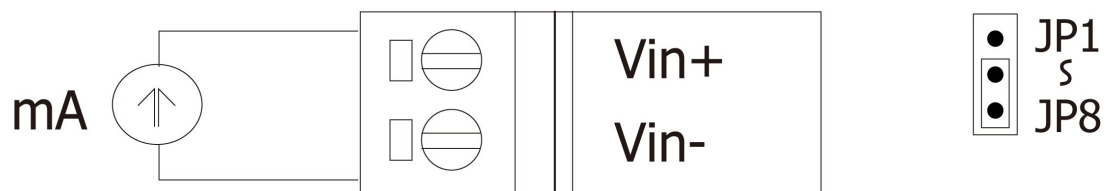
Terminal No.	Pin Assignment Name
01	Vin0+
02	Vin0-
03	Vin1+
04	Vin1-
05	Vin2+
06	Vin2-
07	Vin3+
08	Vin3-
09	Vin4+
10	Vin4-
11	Vin5+
12	Vin5-
13	Vin6+
14	Vin6-
15	Vin7+
16	Vin7-

I-87019R Wire Connection Type

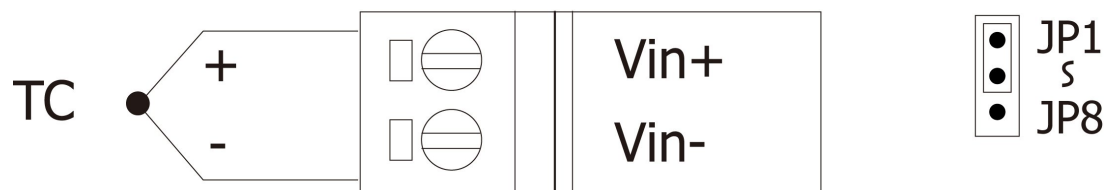
Voltage Input Wiring



Current Input Wiring



Thermocouple Input Wiring



I-87019R Internal I/O Structure

