

I-7011

Thermocouple Input Module

The I-7011 module provides cost-effective protection and conditioning for a wide range of valuable industrial control signals and systems. DCON utility can help users to configure and test I-7011 modules. Plenty of library functions and demo programs are provided to let users develop programs easily under Windows, Linux and DOS operating systems. Users may mount the modules on a DIN rail, panel or wall. Modules have a screw-terminal block to connect to the signals. I-7011 comes with FREE EZ Data Logger Software.



Specifications & Additional Information

Analog Input

- Type: mV, V , mA (requires optional external 125 ohm resistor)
- Thermocouple: Type J, K, T, E, R, S, B, N, C, L, M
- Input Channel: 1
- Voltage range: +/-15mV, +/-50mV, +/-100mV, +/- 500mV, +/-1V, +/- 2.5V
- Current range: +/- 20mA
- Resolution: 16-bit
- Sampling rate: 10 Samples/Second
- Bandwidth: 5.24 Hz
- Input impedance: 20M ohms
- Accuracy: ±0.05%
- Zero Drift: ± 0.5uV/ °C
- Span Drift: 25ppm/°C
- CMR @ 50/60 Hz: 150 dB
- NMR @ 50/60 Hz: 100 dB
- Over voltage protection: 35V (P-P)
- Isolation: 3000Vrms

Digital Input

- Channel: 1
- Logic Level 0: + 1V max
- Logic Level 1: + 3.5V to 30V \

Event Counter

- Max Input Frequency: 50Hz
- Min. Pulse Width: 1 mS

Thermocouple type : (C)

Type	Range (°C)
J	-210 ~ +760
K	-270 ~ +1372
T	-270 ~ +400
E	-270 ~ +1000
R	0 ~ +1768
S	0 ~ +1768
B	0 ~ +1820
N	-270 ~ 1300
C	0 ~ 2320

Digital Output

- Channels: 2
- Open collector to 30V
- Output Load: sink 30mA max.
- Power dissipation: 300mW

Display LED

- 4 1/2 digits (for I-7011PD)

Communication Interface

- RS-485

Power Supply

- Input: +10 to +30 Vdc
- Consumption:
0.9W for I-7011
1.5W for I-7011D