



Model I-7017

Model I-7017, I-7017F 8-chan. Analog Input Module

I-7000 is a family of network data acquisition and control modules. They provide analog to digital, digital to analog, digital input/output, timer/counter and other functions. The modules can be remotely controlled by a set of commands.

The I-7017 is a 8-channel analog input module. The I-7017F supports high speed analog input function.

Specifications

Analog Input

- Type: mV, V , mA (with external 125 ohms resistor)
- Channels: 8 differential or 6 differential and 2 single-ended by jumper select
- Voltage range: +/-150mV, +/- 500mV, +/-1V, +/- 5V, +/-10V
- Current range: +/- 20mA
- Resolution: 16 bits
- Sampling rate: 10 Samples/Second
- Bandwidth: 15.7 Hz
- Input impedance: 20M ohms
- Accuracy: ±0.1%
- Zero Drift: ± 20uV/°C
- Span Drift: ±25ppm/°C
- CMR @ 50/60 Hz: 86 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

Digital Output

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

Feature/Benefits

- 3000VDC isolated analog input
- 24bit sigma-delta ADC to provide excellent accuracy
- Software calibration
- Dual Watchdog

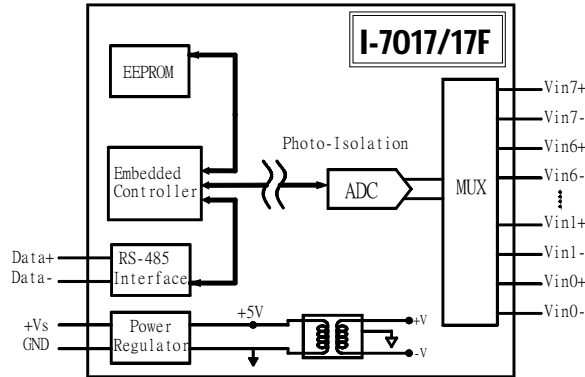
PIN Assignments

Vin5+	1	Vin4-	20
Vin5-		Vin4+	
Vin6+		Vin3-	
Vin6-		Vin3+	
Vin7+		Vin2-	
INIT*/Vin7-		Vin2+	
(Y)DATA+		Vin1-	
(G)DATA-		Vin1+	
(R)+Vs		Vin0-	
(B)GND	10	Vin0+	11





Block Diagram



RS-485 Connector

Asynchronous 2-wire half-duplex
Pluggable terminal block: Pitch 5.08mm

Baud Rate

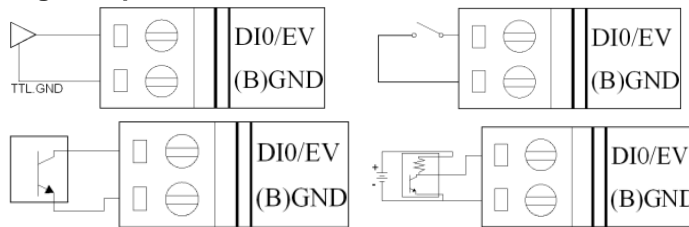
1.2K/2.4K/4.8K/9.6K/19.2K/38.4K/57.6K/115.2K bps

Wire Connection

Analog Input



Digital Input



Power Requirements

Power input: +10~+30Vdc input

Power Consumption

1.3Watt for I-7017

Environmental

Storage temperature: -25°C to 80°C
Operation temperature: -20°C to 75°C
Humidity: 5 to 95%, non-condensing

Dimensions: 120L x 72W x 33H cm

Certification: CE

