



Model I-7017

Models: I-7017, I-7017F**8-channel Analog Input Module**

The I-7017 and I-7017F are 8-channel analog input modules. The I-7017F supports high-speed analog input function.

Features/Benefits

- DIN rail mountable
- 10 to 30 VDC input
- Dual watchdog

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
- I-7017 sampling rate: 10 Samples/Second
- I-7017F sampling rate: 75 Samples/Second
- Bandwidth: 15.7 Hz
- Input impedance: 20M Ohms
- Accuracy: $\pm 0.1\%$
- Zero Drift: $\pm 20\mu V/^{\circ}C$
- Span Drift: $\pm 25\text{ppm}/^{\circ}C$
- 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

PIN Assignments

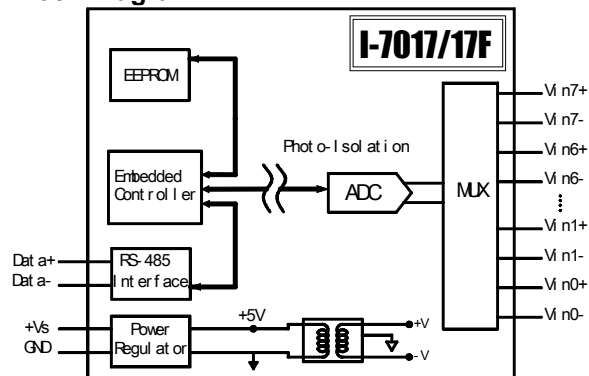
Vin5+	1	Vin4-	20
Vin5-		Vin4+	
Vin6+		Vin3-	
Vin6-		Vin3+	
Vin7+		Vin2-	
INIT*/Vin7-		Vin2+	
(Y)DATA+		Vin1-	
(G)DATA-		Vin1+	
(R)+Vs		Vin0-	
(B)GND	10	Vin0+	11

International Headquarters:

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Block Diagram



RS-485 Connector

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

Baud Rate

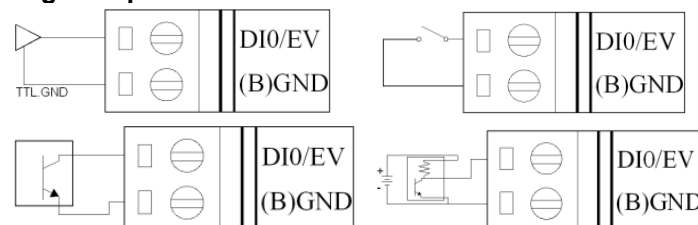
1.2K/2.4K/4.8K/9.6K/19.2K/38.4K/57.6K/115.2K bps

Wire Connection

Analog Input



Digital Input



Power Requirements

Power input: 10 to 30 VDC

Power Consumption

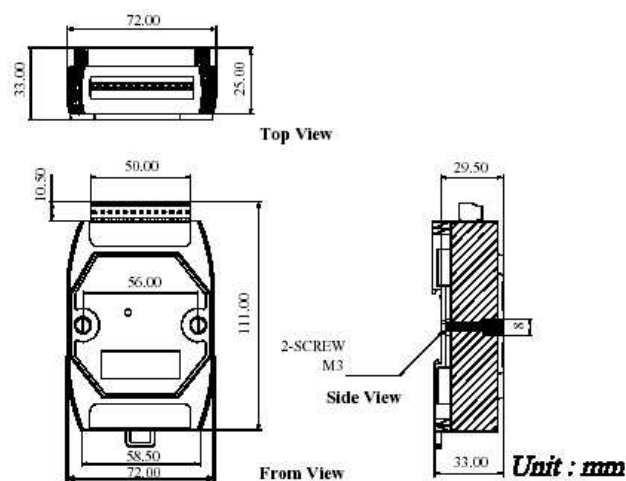
1.3 Watt

Environmental

Storage temperature: -25 to 80 °C (-13 to 176 °F)
Operation temperature: -20 to 75 °C (-4 to 167 °F)
Humidity: 5 to 95%, non-condensing

Dimensions LxWxH: 120 x 72 x 33 cm
(4.7 x 2.8 x 1.3 in)

Certification: CE



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