



Model I-7041D with LED Display

Models: I-7041, I-7041D

14-Channel Isolated Digital Input Module

with LED Display (I-7041D)

I-7000 is a family of network data acquisition and control modules providing 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 digital input/output modules support TTL signal, photo-isolated digital input, relay contact output, solid-state relay output, PhotoMOS output and open-collector output.

The I-7041 is a 14-channel digital input module with 3750V optical isolation. The isolated channels prevent the damage with common power type.

The I-7041D is the I-7041 with LED display.

Specifications

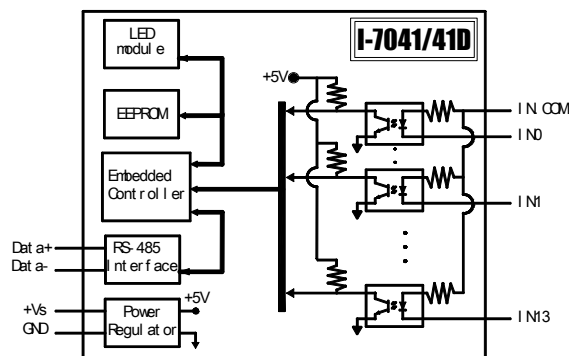
Digital Input

- Channels: 14 isolated channels with common power
- Digital input level
 - Logic level 0: +1V max.
 - Logic level 1: +3.5V - 30V
 - Isolation voltage: 3750V
 - Input impedance: 3K Ohms, 0.5W
- D/I can be used as counter channels: 16
 - Input frequency: 100Hz
 - 16-bit: 0~65,535

Features/Benefits

- 14 digital input channels
- LED indication
- Isolation up to 3750V
- Software calibration
- Dual watchdog

Block Diagram



PIN Assignments

IN10	1	20	IN9
IN11			IN8
IN12			IN7
IN13			IN6
IN.COM			IN5
Init*			IN4
(Y)DATA+			IN3
(G)DATA-			IN2
(R)+Vs			IN1
(B)GND	10	11	IN0

LED Indication (Only for I-7041D)

RS-485 Connector

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

Baud Rate

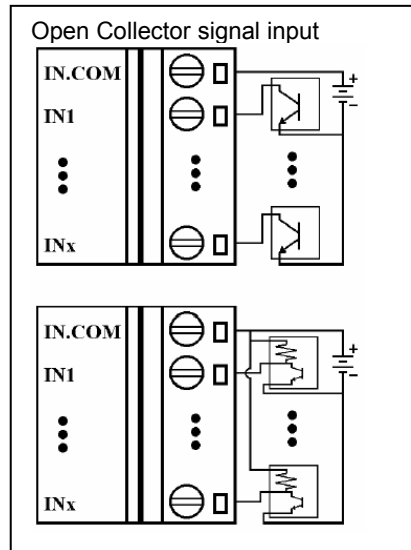
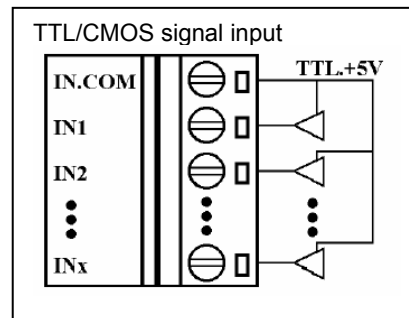
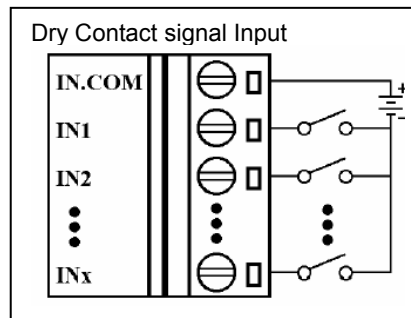
1.2K/2.4K/4.8K/9.6K/19.2K/38.4K/57.6K/115.2K bps

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Wire Connection



Power Requirements

Power input: +10 to +30VDC input

Power Consumption

0.2Watt for I-7041

0.9Watt for I-7041D

Environmental

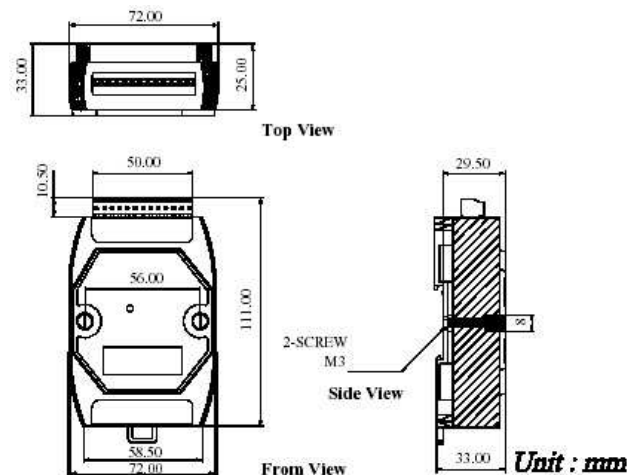
Storage temperature: -25 to 80°C (-13 to 176 °F)

Operation temperature: -20 to 75°C (-4 to 167 °F)

Humidity: 5 to 95%, non-condensing

Dimensions LxWxH: 120 x 72 x 33 cm
47.2 x 28.4 x 13.0 in

Certification: CE



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