ADAM-4053 ADAM-4055 **ADAM-4080**

16-ch Digital Input Module

16-ch Isolated Digital I/O Module with Modbus

2-ch Counter/Frequency Module



Specifications

General

- Connectors
 - (#14 ~ 22 AWG)

16

2 x plug-in terminal blocks

Logic level 0: close to GND

Logic level 1: open

(dry contact only)

500 m max.

Logic level 0: 2 V max.

Logic level 1: 4 ~ 30 V

- Power Consumption 1 W @ 24 V_{DC}
- Watchdog Timer System (1.6 second) Supported Protocols ASCII command

- **Digital Input** Channels
- Input Level Drv contact:

Wet contact:

Effective Distance



Specifications

General

- Connectors
- Power Consumption 1 W @ 24 V_{DC}
- Watchdog Timer
- Communication Supported Protocols ASCII command and
- Isolation Voltage
- LED Indicators

Digital Input

- Channels Input Level . Dry Contact:
- Overvoltage

Digital Output

- Channels
- Power Dissipation

Ordering Information

- ADAM-4053
 - ADAM-4055
- ADAM-4080



2 x plug-in terminal blocks

(#14 ~ 22 AWG)

5-digit readout,

(programmable)

2 independent counters

(32-bit + 1-bit overflow)

Isolated or non-isolated

Logic level 0: 1 V max.

Logic level 1: 3.5~30 V

Logic level 0: 0.8 Vmax.

Logic level 1: 2.4 ~ 5.0 V

4,294,967,295 (32 bits)

Alarm comparators on each

Absolute or relative

2 µs ~ 65 ms

5 Hz ~ 50 kHz

1 or 0.1 second

counter

Ch 0 or Ch 1

50 kHz max.

2,500 V_{RMS}

threshold:

Programmable

>10 µs.

System (1.6 second)

Specifications

General

- Connectors
- Power Consumption 2.0 W @ 24 V_{DC}
- Watchdog Timer
- Supported Protocols ASCII command
- LED Indicators

Counter Input

- Channels
- Input Frequency
- Input Pulse Width
- Input Mode
- Isolated Input Level
- Isolation Voltage
- Non-isolated Input Level
- Maximum Count
- Preset Type
- Programmable **Digital Noise Filter**
- Alarm
- Frequency **Measurement Range**
- Programmable **Built-in Gate Time**

Digital Output

- Channels
- Power Dissipation
- 2. open collector to 30 V. 30 mA max. load 300 mW for each channel

General Power Input Unregulated 10 ~ 30 V_{DC}

Common Specifications

Environment

Humidity	5 ~ 95% RH
Operating	-10 ~ 70°C
Temperature	(14 ~ 158° F)
Storage Temperature	-25 ~ 85°C
	(-13 ~ 185° F)

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- Wet Contact: Protection

- 8, open collector to 40 V (200 mA max. load) Channel: 1 W max. Total: 2.2 W (8 Channels)

$70 V_{DC}$

Modules

8

2 x plug-in terminal blocks

System (1.6 second) &

(#14 ~ 28 AWG)

Modbus/RTU

2.500 Vpc

Yes

Logic level 0: open Logic level 0: 3 V max.

Logic level 1: close to GND

Logic level 1: 10 ~ 50 V

16-ch Digital Input

Module 16-ch Isolated Digital I/O Module with Modbus 2-ch Counter/Frequency