

12 Channel Analog Input to Modbus Converter, CRIO 8AI M

Features



- ✓ 8 Channel 4-20mA / 0-10V, 16-bit ADC
- ✓ Provision to set Parameter Range, High and Low set points for each channel
- ✓ NPN output active on Alarm
- ✓ Acknowledge Input
- ✓ Compact Din Mount
- ✓ Multi-Function Display
- ✓ Modbus RTU, RS485 Output
- ✓ Plug and play Device
- ✓ Industry Compliant
- ✓ Modular Architecture
- ✓ Rugged Durability

Applications

- ✓ Process Automation
- ✓ Automotive Industry
- ✓ Retrofit old machines with new devices
- ✓ Building Automation
- ✓ Sub-station Automation
- ✓ Input to Output Expansion / Integration
- ✓ Process Optimization

Pin Mapping

1	Analog Input 01	9	Analog Input 07
2	Analog Input 02	10	Analog Input 08
3	Analog Input 03	11	Digital Input 01
4	Ground	12	Digital Output 01
5	Analog Input 04	13	DC24V +
6	Analog Input 05	14	DC24V -
7	Analog Input 06	15	RS485 A
8	Ground	16	RS485 B

Specifications

Analog Inputs

- ✓ Analog Inputs : 08 Channel 4 - 20mA / 0 - 10V
- ✓ ADC resolution : 16-bit
- ✓ ADC accuracy : 0.1 % FS
- ✓ Isolation Type : Isolated(2KV) Analog to Digital

Data Connectivity

- ✓ Connectivity Supported : Isolated RS485
- ✓ Protocol Supported : Modbus RTU
- ✓ Communication Interface : 2-Wire Type
- ✓ Watchdog Timer : System (5 Sec)

Display Features

- ✓ 2 Digits Multi-Function Display
- ✓ MODBUS Setting (ID, Baud rate & Parity Setting)
- ✓ Outputs Present Status
- ✓ LED Indication for Communication

Power

- ✓ Operating Voltage : 24 VDC
- ✓ Power Consumption: Maximum 1 Watt

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Mechanical

- ✓ Dimensions (mm) : 23.0(L) X 100.0(W) X 115.0(H)
- ✓ Enclosure : Polyamide (PA66)
- ✓ Weight : 150g

Environmental

- ✓ Operating Temperature : 0°C to + 70°C
- ✓ Storage Temperature : -40°C to + 85°C
- ✓ Operating Humidity : 0 to 95% (non-condensing)

Model Code : CRIO 8AI M

CRIO : Compact Remote IO's
8AI : 8 Analog Inputs
M : Modbus RTU output