

## 12 Channel Digital Input to Modbus Converter, CRIO 12DI M



### Features

- ✓ 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	Input 01	7	Input 07	13	DC24V +
2	Input 02	8	Input 08	14	DC24V -
3	Input 03	9	Input 09	15	RS485 A
4	Input 04	10	Input 10	16	RS485 B
5	Input 05	11	Input 11		
6	Input 06	12	Input 12		

## Specifications

### Digital Inputs

- ✓ Inputs : 12 Channel Digital Input 24 VDC
- ✓ Isolation Type : Opto-coupler
- ✓ Protections : Up to 1500 Vrms for 1 Minute

### 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

### 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)

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<b>Model Code</b>	<b>: CRIO 12DI M</b>
CRIO	: Compact Remote IO's
12DI	: 12 Digital Inputs
M	: Modbus RTU output