

## 12 Channel Digital Input to Modbus Converter, CRIO 12DO 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	Output 01	7	Output 07	13	DC24V +
2	Output 02	8	Output 08	14	DC24V -
3	Output 03	9	Output 09	15	RS485 A
4	Output 04	10	Output 10	16	RS485 B
5	Output 05	11	Output 11		
6	Output 06	12	Output 12		

## Specifications

### Digital Outputs

- ✓ Outputs : 12 Channel Digital Output 0 VDC
- ✓ Field signal type : Open collector (Sinking),(Current 200mA)
- ✓ Isolation Type : Optically Isolated (2KV)
- ✓ 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)

San Telequip (P) Ltd.,  
504 & 505 Deron Heights, Baner Road  
Pune 411045, India  
Phone : +91-20-27293455, 9764027070, 8390069393  
email : [info@santelequip.com](mailto:info@santelequip.com)

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**Model Code** : **CRIO 12DO M**  
CRIO : Compact Remote IO's  
12DO : 12 Digital Outputs  
M : Modbus RTU output