

## IO 4RO 4 Relay Outputs Modbus Features

These modules are used with HMI, PLC or SCADA via Modbus RTU

protocol. IO Studio is its PC software for setting communication. Data

Acquisition Studio is its PC software for DAQ purpose.

- Portable
- Modbus connectivity
- Simple setup and easy handling
- Up to 128 Module on RS485 network
- Isolated modules available for special applications
- Low-cost IO modules addition to existing PLC system
- Standard software for module configuration and trouble shooting
- Data acquisition software for data storage and Real-time analysis on PC
- IO modules used with the third party softwares via Modbus RTU Protocol
- Interface with field devices to provide real-time data for SCADA / PLC / HMI
- LEDs on every modules for digital IO status, communication and power supply
- Different types of IO Modules AI, AO, DI, DO, RTD, Thermocouples are available
- Direct reading of temperature without scaling by using RTD and Thermocouple Modules

## IO 4RO 4 Relay Outputs Modbus Specification

Digital Inputs	N.A
No.of Counters	N.A
Isolation (Field&Logic)	N.A
Status Indication	N.A
Power supply	"24 V DC"

### Common specifications

Counter Resolution	32 Bit
Counter frequency	1 KHz
Pulse width	Min 500 Micro sec
Counter Mode	UP/Down
Digital input 0 level	0-6.5 V
Digital input 1 level	+12 to +24 V DC
Input Impedance	2200 ohms
Input filter	Max 6553 msec.

Digital Outputs	4
Type of Digital output	Relay, Form C
Maximum load current	0.5A / 1 A each ch.
Maximum load Voltage	220 V AC/ 28 V DC
Isolation (Field&Logic)	1000 V RMS
Status Indication	LED for each channel

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Watch dog timer Available

Watch dog time 1-255 sec, adjustable