

## I/O UNIT

- The I/O Unit enables the monitoring and/or control of Analog, Digital Inputs & Outputs of devices through MODBUS RTU protocol.
- A single box has 8 Analog, 8 Digital inputs and 4 potential free Relay contacts and requires only the setting up of Unit ID through a DIP Switch before use.
- Using multiple units on the RS 485 Bus, up to 2000 Inputs and 1000 Output contacts can be easily realized.
- Using our RS 485 to GPRS / WiFi / Ethernet Gateway products, monitoring and control of these units may be done over the wireless network / Internet etc.

### I/O Unit



Features &	Specifications
Interface	RS 485
Data Rates	9600
Data Bits	8
Parity	No Parity
Stop Bits	1
Flow Control	None
Protocol	MODBUS
MODBUS ID Setting	Using 8 position DIP Switch
ID Range	1 to 255
<b>Isolated Digital Inputs</b>	
Number of Inputs	8
Digital Input Voltage	5 - 24 V DC or 4 - 20mA, Selectable using on board Jumpers
Isolation	3750V RMS
<b>Analog Inputs</b>	
Number of Inputs	8
Analog Input Voltage	0 - 12 V DC
Analog Input Type	Single ended or Differential or 4 - 20mA Selectable
<b>Relay Outputs</b>	
Number of Outputs	4
Relay Contacts	Normally Open and Common
Contact Rating	1 A at 120 V AC or 2 A at 24 V DC
<b>Environmental</b>	
Operating	0 °C to 55 °C
Storage	-40 °C to 85 °C
<b>Power</b>	
Input Voltage	8 to 24 V DC
Current	250 ma ~
Protection	Fuse and reverse Polarity protection
<b>Indicators(LED)</b>	
Power	Red
TXD	Yellow
RXD	Green
<b>Packaging</b>	
Dimensions (LxWxH)	140mm(L) x 130mm(W) x 31mm(H)
Weight	500g
Warranty	12 Months for the box product

# Applications

- Industrial Control & Automation.
- Environment monitoring & control.
- Plant Automation.
- Energy monitoring & management.
- Building Management System. (BMS)
- Remote Data Logging.
- ATM Management.
- Mobile Tower Management & many more.

IO Unit



IO Unit



Model Number	Description
I/O Unit	RS 485 MODBUS Input Output Unit

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