ADDRESSABLE I/O CONVERTER

- **Addressable RS 485 to RS 232 Converter.**
- **Users can easily add/remove a Serial Port in their RS485 network to talk to RS232 based Serial Devices with the added feature of addressability.**
- **Power and Data Isolated RS485 port gives protection to the unit and also the connected RS232 device from the RS485 network.**
- **Unit address can be set by 8 way DIP switch allowing 255 addresses.**
- **Baud Rate and other RS232/RS485 port parameters are set by writing in to Modbus Registers.**
- **Address 0 of the DIP switch loads known defaults to the RS232/RS485 ports ensure configurability at all times**
- **Supports 2 Digital Inputs, 4 Analog Inputs & 2 Outputs.**

Addressable Mini I/O

Features & Specifications

Interface	
Serial	RS 232, RS 485
RS 485	
Maximum number of drivers	256
Maximum number of	256
Maximum cable	1220 m
Signal Isolation	Provides Optical Isolation Signals
Power Isolation	>3000 Isolation between RS 485 and RS 232
ESD Protection	+ / - 15KV
Connectors	
RS 232, Digital, Analog	DB 25 pin male
Serial RS 485	RS 485 3-pin Screw type Connector
Serial	
Baud Rate	600 to 115200 bps
Data Bits	8
Stop Bits	1 or 2
Parity	None, Even, Odd
Flow Control	None, Xon / Xoff
ID Setting	8 way DIP switch from 01 to 255. 0 is for default loading
Supported Protocol	MODBUS
Analog Inputs	4 Inputs. 0 to 12 V DC
Input Type (Optional)	Single ended, 4 to 20 ma on 4 Inputs with 10 bit resolution OR Single Ended, Differential on 2 Inputs with 16 bit
Isolated Digital Inputs	2 Inputs. 5 to 12 V DC. Isolation of 3750 V RMS
Digital Output	2 Open Collector outputs with a maximum of 12 V DC. Freewheeling Diode protected.
Power	5 to 24 V DC, 100 mA
Indicators (LED)	
Power	Red
TxD	Yellow
RxD	Green
Environmental	
Operating	0 °C to 70 °C
Storage	-40 °C to 85 °C
Packaging	
Dimensions (LxWxH)	96mm(L) x 56mm(W) x 21mm(H)
Weight, Warranty	50g, 12 Months

Applications

- Industrial Control and Automation.

- Environmental Monitoring and Control.

- Plant Automation.

- Energy Monitoring and Management.

- Building Management Systems - BMS.

- Remote Data Logging.

- Enabling MODBUS capability for non MODBUS devices.

- ATM Management.

- Mobile Tower Management.

Addressable I/O Converter - Board

RS 232 and I/O Pins

Power/RS USB Ports

Model Number	Description
Addressable Mini I/O	Addressable I/O Converter
Addressable Mini I/O - B	Addressable I/O Converter -Board