

## MASIBUS MINT MDO-16

### Digital Outputs

#### Description

MINT MDI-16 module has 16 open collector (NPN) digital outputs. The outputs may be used to drive Lamps or external relays when more drive capability is required. The outputs are isolated from the logic and they share a common negative terminal.

We can configure the module with configuration software or any Modbus Master device. The module has four output configuration modes:

- Normal Output Mode
- Single Pulse Output Mode
- Continuous Pulse Output Mode
- Synchronized Continuous Output Mode



#### Features

- 16 digital outputs
- Open Collector outputs
- Discrete, Single Pulse, Continuous outputs
- 2 x MODBUS RTU
- Compact DIN rail enclosures.
- Up to 127 Modules on RS485 network.
- 1500V RMS Isolation
- LEDs for Fault, Communication and Power

#### Applications

- Cost effective Field Interface to PLC/DCS
- Oil Explorations
- Energy Audits and Distribution
- SCADA
- Water Treatment
- Building Automation
- Environment Monitoring
- Access Control & Security

## Technical Specification

### Communication

Interface	2 Wire, EIA RS485
Protocol	Modbus – RTU
Available Ports	2 x RS485 Multi-drop Serial Communication
Baud Rate	9600, 19200, 38400, 57600, 115200
Parity	ODD, EVEN, NONE
Data bits	8
Stop bits	1, 2

### Status Indication

LEDs	Power, Module Status, Communication, Channel Status
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### Output Specification

Output points	16
Maximum Current	100mA per Output
Vce ON	1.1V max
Output Type	Discreet output, Single Pulse, Continuous Pulse, Synchronized Continuous Pulse
Pulse Width (High + Low)	User Configurable

### Power

Voltage	24VDC $\pm$ 10%
Current	120mA max
Power Consumption	< 3W
Field Supply Voltage	24VDC $\pm$ 10%
Field Supply Current	<1A (Note: The user should limit the output current of the module to less than 1A, so the power dissipation for the field is less than 24W)

### Isolation

Channel to System	1500 VAC RMS
Supply to RS485	1500 VAC RMS
Supply to Logic	1500 VAC RMS

### Environmental

Operating Temperature	0 to 55 °C
Storage Temperature	-10 to 70 °C
Humidity	30 to 95% RH non- condensing

### Physical

Dimensions	22.5(W) x 101(H) x 120(D) mm
Mounting	DIN Rail
Weight	160 gms approx.
Enclosure Material	Molded ABS

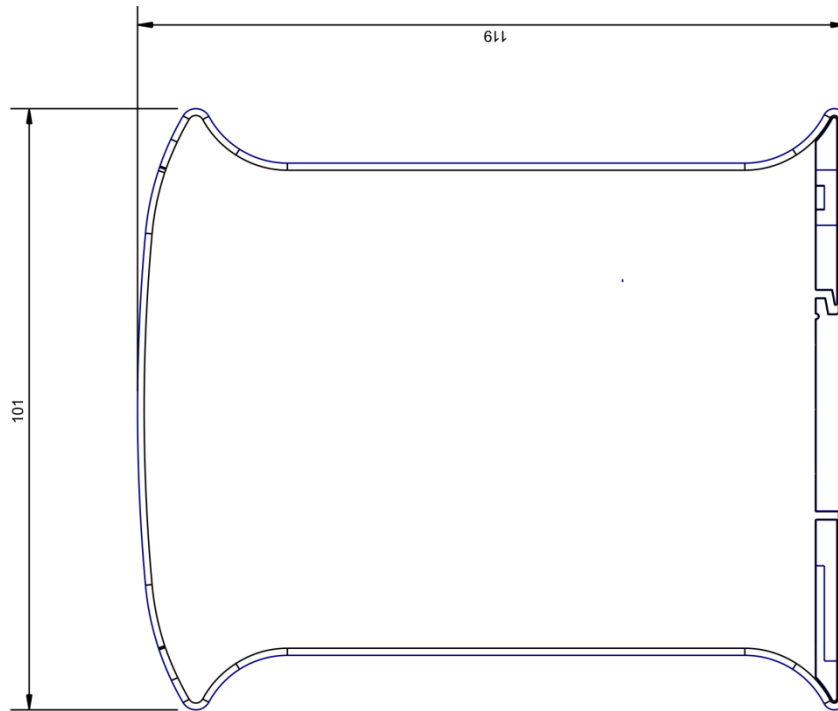


Figure 1: Physical Dimensions (mm)

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