S. P. Wales Ltd
Electrical Metering Specialists

Aspar Mini Modbus 4DI-M - Summary Sheet

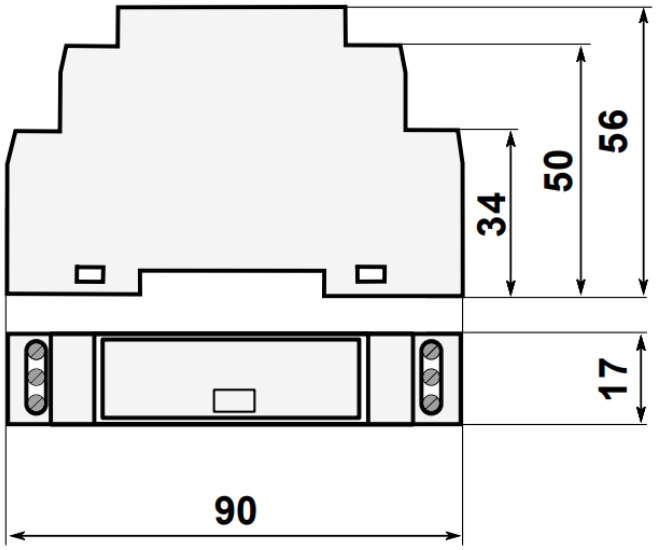
This device is a pulse to Modbus converter. It is used to convert up to four pulse inputs from devices (such as water and gas meters) to a Modbus output so that they can be read through the Modbus network. The MODBUS-Mini MOD-4DI offers a compact and cost-effective I/O solution. It features four opto-isolated digital inputs and is ideal for reliable signal interfacing in demanding environments.

Each input supports pulse counting, with values securely stored in non-volatile memory to ensure data retention even after power loss. The device can output both Modbus ASCII and RTU protocols. Configuration and programming is simple and efficient; it is done through Aspar's free-to-download software and a USB connection to the device.

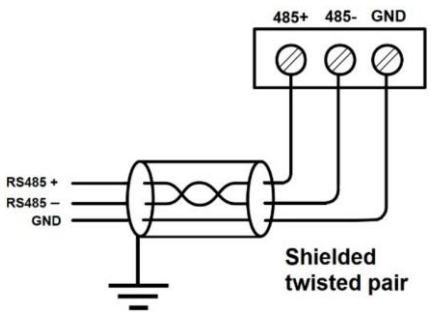
Specification

- 4 opto-isolated digital inputs
- closed contact or digital input
- logic low - 0-3V, logic high 6-36V
- 4 configurable 32-bit counters - timers
- 1 kHz max count rate
- stored in non-volatile memory - keeps the count value after a power failure
- 2 quad encoder inputs
- RS485 - Modbus settavble to ASCII or RTU
- Baud rate from 2400 to 115200
- USB programming port - free software
- Supply voltage: 10-36 VDC; 20-28VAC
- Supply Current: 62 mA @ 12V / 35 mA @ 24V
- Up to 128 modules on RS485 network
- DIN rail mount
- Dimensions: 90mm x 56mm x 17mm
- Operating Temperature: -20 °C - +65°C

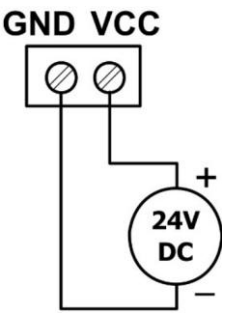
Dimensions



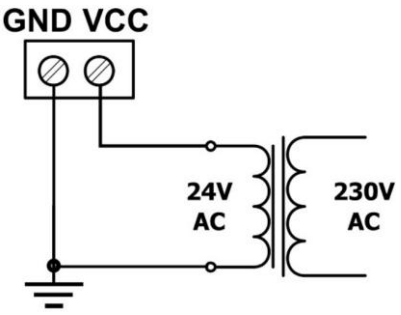
Wiring



Communication



Power supply, DC Voltage 24VDC



Power supply, AC voltage 24VAC

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