

**INDUSTRIES**

- Petroleum/mining
- Water/Waste water

**APPLICATIONS**

- Distributed I/O
- SCADA

**PLATFORMS**

- Flex I/O

**CONNECTIVITY**

- Modbus
- RS232/422/485

Product Description

The 3170-MBS Modbus Slave FLEX Communication adapter interfaces up to 8 Rockwell Automation FLEX and/or Integra I/O modules directly with any Modbus Master. With the ProSoft 3170 unit, FLEX I/O can be multidropped on RS-485 with up to 32 other devices on the communication link. All FLEX and Integra I/O modules are supported, allowing any mixture of analog and discrete modules to be interfaced directly to a Modbus host.

The adapter supports RTU, ASCII 7 and 8 bit communication modes with error checking. Communication parameters are dipswitch configured including: address, parity, stopbits, baud rate.

Each product is shipped with a full User Manual and several test utilities to assist in troubleshooting.

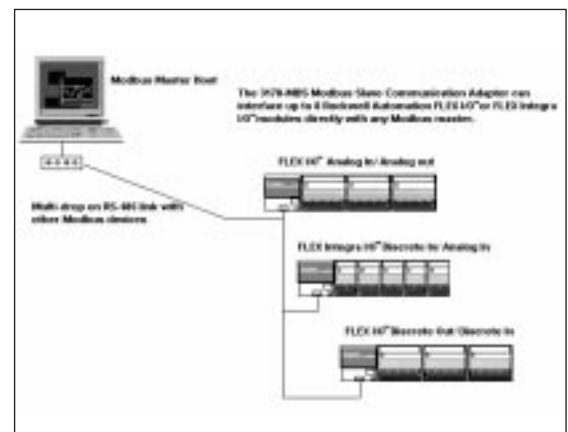
Features

The 3170-MBS product support the following features:

- RTU mode (binary) with CRC-16 error checking
- ASCII 7 and 8-bit modes with LRC error checking
- Accepts broadcast commands from the Master
- Function codes:
 - 1: Read Output Coils
 - 2: Read Discrete Inputs
 - 3: Read Multiple Holding Registers
 - 4: Read Multiple Input Registers
 - 5: Set/Reset Single Bit Write
 - 6: Preset (Write) Single Data Register
 - 16: Preset (Write) Multiple Data Registers
- Pre-assigned Modbus memory map
Fault on Loss of Comm. Enable

Specifications

- I/O Capacity: 8 I/O modules (Flex and/or Integra)
- RS-485 Communication port – 3 screw termination
- Status LEDs
Power / Control Status
Serial TX, RX and ERROR Status
- Input Voltage: 24 VDC (19.2-31.2 VDC)
- Max Input Power: 8.6 W
- Max Backplane Output Current: 640 ma @ 5V
- Operating Temp.: 0 to 55°C
- Storage Temp.: -40 to 85 °C
- Dimensions: 87x68x69 mm (3.4x2.7x2.7 in)

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