



 Class 1,
Division 2, Groups A,
B, C, and D Hazardous
Locations.



Modbus Slave Communications Adapter 3170-MBS

The 3170-MBS module provides highly configurable Slave capabilities to the Rockwell Automation FLEX and/or Integra platform. The product is frequently used in two general applications, SCADA Slave or as a foreign device interface master. In a SCADA Slave application the module could be used in remote controller racks as is often used in the oil and gas, or wastewater industries.

How to Contact Us: Sales and Support

All ProSoft Technology products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Modbus Slave Communications Adapter

3170-MBS

The 3170-MBS Modbus Slave Communication Adapter can interface up to 8 Rockwell Automation FLEX and/or Integra I/O modules directly with any Modbus Master.

Features and Benefits

The 3170-MBS module is simple to use, requiring only the setting of several dip-switch options. The Flex and Integra module data images are pre-mapped into Modbus addresses to simplify reading and writing using standard Modbus commands. Each product is shipped with a User Manual detailing its installation and operation.

Functional Specifications

- The 3170-MBS has read/write access to all Flex and Integra modules. This allows a Host system to perform all functions necessary to get all I/O modules functioning. All register data values can be accessed using Function Codes 3, 4, 6 and 16. Bit level Function Codes 1, 2, and 5 are also supported.
- Multi-drop on an RS-485 link with other Modbus compatible devices
- Interface analog and/or discrete I/O directly to a host

Hardware Specifications

Specification	Description
Form Factor	Single Slot 1794 Backplane compatible Locate in any slot of Backplane
Backplane current load	20 mA @ 5 V
External power supply	12V to 24VDC 340 ma to 170 ma
Operating temperature	0 to 55°C (32 to 140°F)
Storage temperature	-40 to 85°C (-40 to 185°F)
Shock	30g operational 50g non-operational 5g from 10150 Hz
Relative humidity	5 to 95% (non-condensing)

Specification	Description
LED indicators	Module status Backplane transfer status Application status Serial activity and error LED status
Configuration Serial port (PRT1)	Mini-DIN RS-232 Hardware handshaking
Application serial Port (PRT2)	Mini-DIN RS-232/422/485 jumper selectable 500V optical isolation from backplane
Dimensions (with Module installed in Base)	3.7H x 3.7W x 2.7D inches 94H x 94W x 69D mm

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

Ordering Information

To order this product, please use the following:

3170-MBS Modbus Slave Communications Adapter

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

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