



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



Foxboro/Systronics Minimote RTU Slave Communication Module

3100-SYS

The Foxboro/Systronics Slave module can be found in many industrial sectors and in the following applications:

- Foreign device data concentrator
- Pipelines
- Offshore platforms
- Oil field lease

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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The inRAx Systronics Slave Module is a single slot solution for the Rockwell Automation PLC platforms.

By providing configurable access to both ports, this product provides previously unavailable functionality and versatility. Foxboro/Systronics Minimote RTU Slave Module for Rockwell Automation PLC Platform.

The ProSoft Systronics Slave Module allows the user to easily configure one or both ports to be Slaves to a Foxboro/Systronics Host. Also, VSAT Report by Exception is supported. Support has been added to the product to support the Report By Exception capabilities associated with VSAT implementations of the protocol.

Features and Benefits

Simple to Use

All module setup and operating controls are performed over the backplane through simple ladder logic and data table configuration. The only software necessary is a standard ladder-programming package.

Hands Off Operation

After the FOX module has been setup for operation, the module provides transparent control and monitoring capabilities. The FOX module, integrated directly into the PLC rack, forms a tightly integrated and practical solution. After configuration, the module will perform all protocol related functions on a stand-alone basis.

Installation, Set Up and Operation

The ProSoft module installs in any slot in a local rack. The product's capabilities are enabled and controlled with simple ladder logic and data table initialization.

Functional Specifications

- Foxboro / Systronics Minimote RTU Protocol, with VSAT reporting support
- Full radio, modem and Multi-drop support
- Supports RS-232C, RS-422 and RS-485 interfaces
- Communication error codes and counters returned to ladder logic (Slave port)
- Configurable character delay to support VSAT packetizing delays
- Configuration via simple ladder logic

- Supported File Numbers:

Parameter	Value
14h	Analog Data
19h	Status Data
37h	Accumulator Data 32 bit
1Dh	Momentary Control Select
21h	Setpoint Select
23h	Execute Selected Control File
2Ch	Pulse Train Control File
30h	Multi-file Streaming Data Setup
3Fh	Multi-file Streaming Data
3Ch	VSAT Timer Setup
3Eh	20 msec Timer
41h	Analog Deviation Limits
44h	Accumulator Reset Commands
47h	32 bit Accumulator Current End of Batch
4Bh	Tank Levels

- Supports broadcast commands from Master
- Register addressing

Filetype	File #'s	Valid Addresses
16 bit registers	14h	0 to 61
16 bit binary	19h	0 to 123
32 bit acc EOBatch	47h	0 to 15
32 bit accumulator	37h	0 to 31
Tank Levels	4Bh	0 to 31
Momentary Control	1Dh	Bit:0 to 255 Card 0 to 15
Setpoint Select	21h	Reg:0 to 4095
Accumulator Reset	44h	1 to 2

- Supports Write Commands from Host in both Direct or Indirect Modes
- Setpoint Select and Operate
 - Control Point Continuous and Momentary
- Communication Parameters:

Parameter	Value
Address	1 to 254 (127 is broadcast)
Parity	None, Odd, Even
Stop Bit	1 or 2
Baud rate	300 to 38.4K
RTS Delays	1 ms resolution on and off

Hardware Specifications

Specification	Description
Backplane current load	3100 module for PLC 0.65 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	-40 to 85°C (-40 to 185°F)

Specification	Description
Relative humidity	5 to 95% (non-condensing)
LED Indicators	Module status Backplane transfer status Serial port TX/RX activity LED Serial port error LED status
Application serial ports	DB-25F3100 module RS-232/422/485 jumper selectable RS-422/485 screw termination included (two per module) RS-232 hardware handshaking (RTS/CTS, DTR) 500V optical isolation from backplane

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:

3100-SYS Foxboro/Systronics Minimote RTU
Slave Communication Module

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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