



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





Harris 5000/5500/6000 RTU Slave Communication Module 3150-HAR

The Harris 5000/5500/6000 Slave module can be found in the power industry in the following applications:

- Foreign device data concentrator
- Power equipment monitoring
- Dam operation

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:

Asia Pacific

+603.7724.2080, asiapc@prosoft-technology.com
Languages spoken include: Chinese, Japanese, English

Europe – Middle East – Africa

+33 (0) 5.34.36.87.20, support.EMEA@prosoft-technology.com
Languages spoken include: French, English

North America

+1.661.716.5100, support@prosoft-technology.com
Languages spoken include: English, Spanish

Latin America (Sales only)

+1.281.298.9109, latinam@prosoft-technology.com
Languages spoken include: Spanish, English

Brasil

+55-11.5084.5178, eduardo@prosoft-technology.com
Languages spoken include: Portuguese, English

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Harris 5000/5500/6000 RTU Slave Communication Module

3150-HAR

The 3150-HAR (SLC) Harris Slave Module is a single slot solution for the Rockwell Automation 1746 platforms. By providing configurable access to both ports, this product provides previously unavailable functionality and versatility.

Features and Benefits

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

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

- Harris 5000/5500/6000 implementation of the protocol
- 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
- Supports broadcast commands from master register addressing
- Configuration via simple ladder logic

Supported operation codes:

Code	Description
0	A/D and Accumulator Data Dump
3	Status Check
4	Status Change Dump
5	Status Dump
6	Trip/Close Control Arm

Code	Description
7	Trip/Close Control Operate
8	AGC Raise/Lower
9	Set Point Control Arm
10	Set Point Control Operate
11	Power Fail Reset
12	Port On-Line Status Scan
21	Time Synchronization (SOE)
23	Time Synchronization Adjustment
27	Time Synchronization (Non-SOE)
30	Set Freeze Interval

Up to 7 ports, each port

Parameter	Value
Status	Up to 63 words
Analog	Up to 63 words

Accumulator

Parameter	Value
12 bit	Up to 63 words
24 bit	Up to 34 values
32 bit	Up to 12 values

Communication parameters

Parameter	Value
Address	1 to 63
Parity	None, Odd, Even
Stop Bit	1 or 2
Baud rate	300 to 38.4K
RTS Delays	1 ms resolution on and off

SLC Interfaces - 3150 Series

Specification	Description
Backplane current load	3150 module for SLC 5V @ 0.15 A, 24 V @ 0.040 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	40 to 85°C (-40 to 185°F)
Relative humidity	5 to 95% (w/o condensation)
LED indicators	Module Status, Backplane transfer status, Serial port TX/RX activity LED, Serial port error LED status
Application Serial ports	DB-9M 3150 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.

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