



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



Johnson Controls Metasys Slave SCANport Adapter

1550-N2

The N2 module allows Rockwell Automation Variable Speed Drives to interface directly with Johnson Controls building and energy management controllers.

The N2 module functions as a communications gateway providing the interface necessary to allow a drive to be monitored and controlled over the Johnson Controls N2 link.

Johnson Controls Metasys Slave SCANport Adapter 1550-N2

Applications benefiting from the N2 module are prevalent in commercial building and energy management projects. Single or multiple drive applications will benefit through reduced installation costs and increased functionality. Application Notes are available for these products.

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

Features and Benefits

Hands Off Operation

After the N2 module has been set up for operation, the module provides transparent control and monitoring capabilities. The N2 module and Rockwell Automation Drive combination form a tightly integrated solution.

Installation, Set Up and Operation

The 1550-N2 is available as an external DIN rail mounted module. The products functional characteristics are enabled and controlled with the setting of several dip switches. Each product is shipped with a User Manual detailing the installation and operation.

Functional Specifications

- General capabilities
 - Binary Input/Output
 - Analog Input and Analog Output data type commands supported for primary control/monitoring drive parameters
- Supported Command/Subcommands
 - 0/9: Status Update
 - 1/1: Read Analog Input Attributes
 - 1/2: Read Binary Input Attributes
 - 1/3: Read Analog Output Attributes
 - 1/4: Read Binary Output Attributes
 - 2/1: Write Analog Input Attributes
 - 2/2: Write Binary Input Attributes
 - 2/3: Write Analog Output Attributes
 - 2/4: Write Binary Output Attributes
 - 7/2/3: Override Analog Output (Set drive frequency)
 - 7/2/4: Override Binary Output (Set drive control bits)
 - F: Identify Device Type

- The following commands are recognized and acknowledged by the 1550-N2, but do not impact the operation or return any data
 - 0/0: Time Update
 - 0/4: Poll Message No Acknowledge
 - 0/5: Poll Message with Acknowledge
 - 0/8: Warm Start
- All other commands return a Bad Command Error Code
- Warning and Alarming functions performed on Analog Input and Binary Input data types
- Change Of State Response buffering
 - Available packages 120 VAC Enclosed 24 VDC Enclosed
- Communication port connections
 - N2 Female 9-pin DB Supports RS-232 and RS-485
 - SCANport connector
 - Status LED
 - SCANport Status (bi-color)
 - N2 Status (green): Serial Tx, Rx Status
 - Current Consumption: 60 ma at 24 VDC
 - Input Voltage: 85 to 264 VAC, 1 Phase, 45 to 63 Hz, 24 VDC
 - Operating Temp: 0 to 50 °C
 - Storage Temp: -40 to 85 °C

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:

1550-N2 Johnson Controls Metasys Slave
SCANport 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>

Distributors:

Place your order by email or fax to:

North American / Latin American / Asia Pacific

orders@prosoft-technology.com,
fax to +1 661.716.5101

Europe

europe@prosoft-technology.com,
fax to +33 (0) 5.61.78.40.52

Copyright © ProSoft Technology, Inc. 2000 - 2007. All Rights Reserved.
January 19, 2007

Hardware Specifications

Specification	Description
Configuration via dip switches	Slave Address: 1 to 63
Baud Rate	300 to 19200 baud
Parity	None, Odd and Even
Stop Bits	1 or 2
Physical Link	RS-232, RS-422 or RS-485 Female 9-pin D shell connectors
SCANport Messaging	Type 4 Enable Type 5 Enable Type 6 Enable Type 7 Enable
Supplied in two forms:	Open Style Power supplied by drive, mounted directly to drive Enclosed Power supplied externally (120 VAC)
Status LED	SCANport Status (bi-color) Serial Port Status (bi-color) Tx/Tx Activity Status (amber)
Current Consumption	60 ma DC
Input Voltage	Open Supplied by drive Enclosed 85 to 264 VAC, 1 Phase 45 to 63 Hz
Operating Temp	0° to 50°C
Storage Temp	-40° to 85°C