

POINT I/O and ArmorPOINT I/O DeviceNet Adapter Modules

Firmware Revision: 2.004

Catalog Numbers 1734-ADNX, 1738-ADNX, Series A

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About This Publication

These release notes for Firmware Revision 2.004 supplement the existing documentation supplied with your product. Read this document before using a Series A POINT I/O™ or ArmorPOINT® I/O DeviceNet adapter.



ATTENTION: Firmware Revision 2.004, impacts your DeviceNet network and requires a new EDS file for RSLink® and RSNetWorx™ softwares.

Before You Begin

Firmware Backward Compatibility

The following software revisions are compatible with this firmware release:

- 1756-DNB version 10.005
- RSLinx® software version 2.56 or later.

Firmware Revision History

Firmware revision history for POINT I/O and ArmorPOINT I/O DeviceNet Adapters

Revision	Description
1.001	First firmware revision released.
1.004	Second firmware revision released to provide anomaly information.
2.002	Third firmware revision released to provide anomaly information.
2.003	Fourth firmware revision released to provide details on known and corrected anomalies.
2.004	Current version released to provide anomaly information.

The following tables provide a list of known and corrected anomalies for the POINT I/O and ArmorPOINT I/O DeviceNet adapter firmware revisions.

Anomalies

Known Anomaly for Firmware Revision 2.003

Anomaly	Description
Adapter may not make a COS/Cyclic connection to POINT I/O modules	<p>If COS/Cyclic connection is used, during system power up, the adapter may not connect to the POINT I/O modules on its backplane when the adapter attempts to connect to the modules first before a connection from the scanner to the adapter is established.</p> <p>Users can observe this anomaly through the following behavior in LED status indicators during system power up:</p> <ol style="list-style-type: none">1. Network Status LED flashes green.2. PointBus Status LED changes from flashing red to solid green, then back to flashing red.3. Network Status LED is solid green.

Known Anomaly for Firmware Revision 2.002

Anomaly	Description
Error message displayed when Enabling ADR	When the Auto-Device Replacement (ADR) feature is used and the Configuration Recovery option is enabled, the adapter causes the 1756-DNB scanner module to fault with an error code of #89.

Corrected Anomaly for Firmware Revision 2.004

Anomaly	Description
Adapter may not make a COS/Cyclic connection to POINT I/O modules	<p>If COS/Cyclic connection is used, during system power up, the adapter may not connect to the POINT I/O modules on its backplane when the adapter attempts to connect to the modules first before a connection from the scanner to the adapter is established.</p> <p>Users can observe this anomaly through the following behavior in LED status indicators during system power up:</p> <ol style="list-style-type: none">1. Network Status LED flashes green.2. PointBus Status LED changes from flashing red to solid green, then back to flashing red.3. Network Status LED is solid green.

Corrected Anomalies for Firmware Revision 2.003

Anomaly	Description
Idle and Fault values are displayed incorrectly	After the controller is switched from RUN to PROGRAM mode and back, and then a DeviceNet cable break is applied, the Fault value outputs are NOT turned on: instead, the Idle value outputs are turned ON. This anomaly is observed when the adapter is correctly configured and connected.
Error message displayed when Enabling ADR	When the Auto-Device Replacement (ADR) feature is used and the Configuration Recovery option is enabled, the adapter causes the 1756-DNB scanner module to fault with an error code of #89.
Adapter becomes unresponsive	Adapter becomes unresponsive on querying the SCAN_COUNTER (0xE) attribute in the Scan_Config (0x90) object.
Adapter sending an unwanted extra byte	The adapter sends out an extra byte with release commands, which is the Master's Mac ID.
DeviceNet status LED is incorrect	When the module is online and a cable break is applied, the module's DeviceNet status LED is OFF when it should be flashing red.
ODVA error in Identity Object	This firmware revision fixes the ODVA error in the Identity Object.

Additional Resources

These documents contain additional information concerning related Rockwell Automation products.

Resource	Description
1734 POINT I/O DeviceNet Adapter Installation Instructions, publication 1734-IN026	Installation instructions for installing the 1734 POINT I/O DeviceNet adapters (1734-ADN, 1734-ADNX).
1738 ArmorPOINT I/O DeviceNet Adapter Installation Instructions, publication 1738-IN014	Installation instructions for installing the 1738 ArmorPOINT I/O DeviceNet adapters (1738-ADN, 1738-ADNX).
1734 POINT I/O DeviceNet Adapter User Manual, publication 1734-UM002	1734 POINT I/O DeviceNet adapter modules (1734-ADN, 1734-ADNX) user manual.
1738 POINT I/O DeviceNet Adapter User Manual, publication 1738-UM001	1738 POINT I/O DeviceNet adapter modules (1738-ADNX) user manual.
Pinout Guide for 1738 ArmorPOINT Adapters and Power Supplies Wiring Diagram, publication 1738-WD004	Pinout Guide for 1738 ArmorPOINT adapters and power supplies, Series A.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-IN041	More information on proper wiring and grounding techniques.
Product Certifications website: http://www.rockwellautomation.com/products/certification/	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

Notes:

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Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://www.rockwellautomation.com/support/>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://www.rockwellautomation.com/support/>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/support/americas/phone_en.html , or contact your local Rockwell Automation representative.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

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