

1747-SDN Series D Firmware Update

Catalog Number 1747-SDN

About This Publication

This publication describes corrected anomalies for the 1747-SDN, DeviceNet Scanner module.

ATTENTION

To comply with UL restrictions, this equipment must be powered from a source compliant with the following:
Class 2 or Limited Voltage/Current.

New Features

Features added for this product are listed by their firmware revision number.

Corrected Anomalies

Anomalies corrected for this product are listed by their firmware revision number.

Revision 9.001

- ADR user memory space increased from 64K to 256K
- Support added for Online Scanlist Changes in Run Mode. This feature allows scanlist changes to be downloaded to the scanner when the both the SLC processor and the scanner are in RUN mode.
- Scanner CCV attribute support added, providing optimization for RSNetWorx.

Revision 8.006

With firmware revision 8.005 and earlier, when using the configuration recovery function of ADR with devices that have large amounts of configuration data, there are scenarios where the scanlist and configuration data may be lost upon a power cycle. This may occur if the module is not placed into Program/Idle mode before powerdown.

Firmware revision 8.006 corrects this anomaly.

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Revision 8.005

With firmware revision 8.004 and earlier, explicit message instructions sent to devices on the DeviceNet network may contain incorrect information. Incorrect information is sent to the device when the service call is not a GetAttrSingle or SetAttrSingle and there are parameters in the command sent to the device after the attribute parameter. This could lead to incorrect operation of the devices or this could lead to invalid data being read into the SLC controller.

Firmware revision 8.005 corrects this anomaly.

Revision 8.004

Firmware revision 8.003 and earlier has internal M0 file bits set to random values upon powerup. On starting up the 1747-SDN module, if an explicit message or passthrough message is sent before outputs are transferred from the SLC controller to the M0 file with a COPY command, the random values will be used as outputs. If the 1747-SDN module is in Run mode, this could cause outputs to turn **On** unexpectedly when the scanner transmits data to connected output devices.

Firmware revision 8.004 corrects this anomaly.

Revision 8.003

If you install the 1747-SDN module, but do not connect it to the DeviceNet network, the 24V DC power is not applied to the module.

Then, if you try to do a scanner download in RSNetWorx for DeviceNet software by using RSLinx 1747-SDN passthrough driver, you receive an error.

Node 00: Communication error: 24: After a successful Typed Write the SDN indicated it was not busy Error code: 0x3290700: 0x01 SCIA: 0x02, 0x0091, 0x0002, 0xFFFF.

This also causes the SLC processor to fault with an x57h fault, where x is the slot in which the 1747-SDN module is installed. This fault has this message:

A specialty I/O module has not responded to a lock shared memory command within the required time limit.

Firmware revision 8.003 corrects this anomaly.

Additional Resources

These documents contain additional information about related Rockwell Automation products.

Resource	Description
1747-SDN DeviceNet Scanner Module Installation Instructions, publication 1747-IN058	Provides information on how to install and connect the module
1747-SDN DeviceNet Scanner Module User Manual, publication 1747-UM655	Provides information on how to use the module.

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

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Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://support.rockwellautomation.com>, 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://support.rockwellautomation.com>.

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	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

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 in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

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