



1771-SDN Series C DeviceNet Scanner Module

(Cat. No. 1771-SDN/C)

Purpose

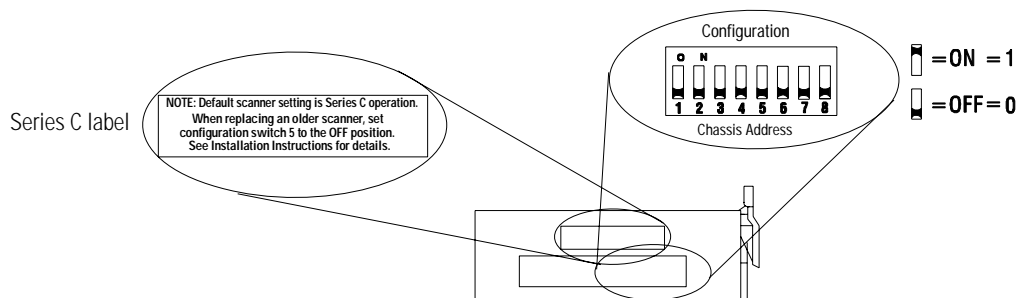
Use these release notes to understand the following details about this release of the 1771-SDN DeviceNet™ scanner module:

- module compatibility and maintenance requirements
- Electronic Data Sheet and software requirements
- enhancements
- corrected anomalies

Use this document with the 1771-SDN DeviceNet Scanner Module User Manual, publication 1771-6.5.123, August 2000.

Module Compatibility and Maintenance Requirements

The 1771-SDN/C DeviceNet Scanner Module is fully compatible with the Series A and Series B versions. You can use the Series C version as a spare or replacement module with one requirement: **you must change the position of Switch 5 to the off or “0” position in the Configuration switchbank as shown below:**



Electronic Data Sheet Requirement

To use the new features of this release, the scanner module requires the latest EDS file for RSNetWorx for DeviceNet™ software. If the software displays the device as an “unknown device,” you must download the current EDS file. You can get the latest EDS file online at:

<http://www.ab.com/networks/eds>

Once you are at this location:

1. Select `DeviceNet`
2. Enter the catalog number: `1771-SDN`
3. Enter Major Revision: `6`
4. Select `Search`

For more information, contact Rockwell Automation Technical Support at 440.646.5800.

Software Requirement

To use the new features of the 1771-SDN/C module, you must use RSNetWorx for DeviceNet, ver. 3.11 (or later) as your configuration tool.

Module Enhancements

6.003 Release

Updated DeviceNet Master Library

Electronic Keying - added to include Major and Minor revision checking.

Shared Inputs - this enables multiple scanner modules to acquire inputs from a specific input device without using separate connections.

Auto Device Replacement (ADR) - consists of Node Recovery and Configuration Recovery:

- **Node Recovery** - this feature causes the node number of the replacement device to be automatically changed to the node number of the original device. The replacement device's node number must be writable over the DeviceNet network and must initially be set to 63.
- **Configuration Recovery** - this feature causes the replacement device's configuration to be made identical to the original device. The replacement device's configuration must be writable over the DeviceNet network. Configuration Recovery files are stored in the master scanner that is communicating with the original device through RSNetWorx for DeviceNet.

6.004 Release

- **Quick Connect** - (with this release, this feature is usable through explicit messaging configuration. With the future release of RSNetWorx 4.0, the Quick Connect feature will be usable through its own graphical user interface) this feature enables the scanner module to connect to slave devices in less than one second (previously up to 10 seconds). Slave devices must also have Quick Connect functionality.

Corrected Anomalies*6.003 Release*

The previous release included the following corrected anomalies:

- previously, the Reset Transaction ID of the Client/Server message would not clear bit 15 of the Module Status Word. This anomaly has been corrected in this release.
- the scanner module could not consistently perform a 57-word Block Transfer Write. This anomaly has been corrected in this release.
- When the PLC-5 transitions from Program to Run mode, the scanner module would not go to Run until a valid Module Command Word was received via a Block Transfer Write. This anomaly has been corrected in this release.

6.004 Release

This release includes the following corrected anomalies:

- previously, an explicit message to Block 64 that requested two transactions would return only one. This anomaly has been corrected in this release.
- Discrete Inputs would not work properly in 1/2 slot addressing mode. This anomaly has been corrected in this release.

DeviceNet is a trademark of ODVA, Open DeviceNet Vendors Association.
RSNetWorx for DeviceNet is a trademark of Rockwell Automation, Inc.

AB Drives

www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433

Europe/Middle East/Africa: Rockwell Automation, Brühlstraße 22, D-74834 Elztal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 17741

Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 6356-9077, Fax: (65) 6356-9011