



## 1747-SDN DeviceNet Scanner Module

(Cat. No. 1747-SDN/B, Version 6.002)

### Purpose

These release notes describe Electronic Data Sheet requirements and changes to version 6.002 of the 1747-SDN DeviceNet™ scanner module.

This document also describes an enhancement in the previous releases, version 5.001 and 4.026.

Use this document with the 1747-SDN DeviceNet Scanner Module User Manual, publication 1747-6.5.5, August 2000.

### Electronic Data Sheet Requirement

This release of the scanner module requires the latest EDS file for RSNNetWorx for DeviceNet software. If the software displays the device as an “unknown device”, the EDS file must be downloaded.

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: `1747-SDN`
3. Enter Major Revision: `6`
4. Enter the Minor Revision: `2`
5. Select `Search`

For more information, contact Rockwell Automation Technical Support at 440-646.5800.

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## Version 6.002 - Enhancements and Corrected Anomalies

### Enhanced Explicit Message Pass-Through Capability

With this release, the size of the M0/M1 file could be expanded to 395 words. This can accommodate a larger pass-through message than previous firmware revisions. For example, this enhanced capability now allows DeviceNet PanelView terminal downloads.

### M1 File Includes Device Active Table Section

With this release, words 206 through 209 in the M1 file are now used for the Device Active Table. The scanner assigns one bit in consecutive order to consecutive device addresses starting at node 0 at M1.S.206/0. If a bit is set, it indicates that the node is in the scanner's scan list and has successfully communicated with the scanner module. The bit is reset if the scanner tries to communicate to the node but the node has gone offline.

### Immediate Input/Output

With this release, the scanner will act upon immediate input and output instructions (IIM, IOM) from the SLC 500™ programmable controller.

### Corrected Anomalies

Corrected anomaly:	Description:
Reset I/O run bit in scanner copy of I/O during transition to processor Program mode.	This would prevent immediate change from Idle to Run mode before the I/O scan of the processor when the processor transitions to Run mode. This anomaly has been corrected.
Unwanted information from a previous connection remained when the former connection timed out while waiting for a fragment ack.	This prevented a new connection from being established since the connection state was incorrect. This anomaly has been corrected.
Check for error after setting EPR on slave connection.	If a device state conflict error is returned by a slave when the EPR bit is set, the scanner would not report the error. This anomaly has been corrected.

## Version 5.001 - Enhancement

### Scan List Commit in Run/Idle

With this release, when the scanner module is in Idle mode, the scan list can be committed to the scanner module's memory when the SLC 500™ controller is in Run mode.

## Version 4.026 - Enhancement

### Electronic Keying

Electronic keying has been enhanced to include Major and Minor revision checking.

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