DeviceNet Interface (DNI), Series B

(Cat. No. 1761-NET-DNI)

Introduction

Read this document before using the 1761-NET-DNI Series B. This release note contains information about:

- new product features and compatibility with 1761-NET-DNI Series A
- required files
- related publications

New Product Features and Compatibility with DNI, Series A

ATTENTION

DNI Series A configurations *are not* compatible with the DNI Series B. You must manually re-enter the Series A parameters into the DNI Series B. This step is required because of the enhanced functionality of the DNI Series B.

DNI Series B provides the following new functions:

- The DNI can now initiate explicit messages over DeviceNet.
- The DNI Series B can accept messages to the new explicit assemblies at any time.
- The Standby/Operational parameter has been removed from the EDS file. The operating mode is now controlled by the I/O Scan Enable parameter.
- You can configure the DNI parameters via the RS-232 port. This can be done using the DNI Configuration Software Utility version 2.001. For applications that use only DNIs, this eliminates the need for configuration tools (such as RSNetWorx and the 1770-KFD Interface).
- Three new parameters have been added to the EDS file. The parameters are:
  - *DF1 Substitution Address* - The DF1 Substitution Address allows *any* DF1 device, such as the MicroView, to communicate to Allen-Bradley controllers over DeviceNet.
  - *Input Split Point and Output Split Point* - The split point parameters are used to define how much data is configured as Master/Slave I/O and how much data is configured for explicit assembly messaging.

Required Files

To configure the DNI Series B, you must have the DNI Series B EDS file installed in your DeviceNet configuration software. RSNetWorx DeviceNet Network Management software version 2.11.36 or higher includes all DNI Series B files. You can also download the new files from the DeviceNet Interface Software Archive at **http://www.ab.com/micrologix**. The DeviceNet Configuration Utility can be downloaded separately from the downloads page at **http://www.ab.com/micrologix.**

The following table shows the old and new file filenames:

1761-NET-DNI	File Description	File Name
Series B	DNI Electronic Data Sheet	1761DNI3.EDS (FRN 2.02 or lower)
		1761DNI4.EDS (FRN 2.03 or higher)
	DNI Icon Library	DNI.ICL
	DNI Icon for Configuration Software	DNI B3.ICO or DNI B.BMP
	DNI Configuration Software Utility	DNI_UTIL_B.EXE
Series A	DNI Electronic Data Sheet	1761DNI2.EDS
	DNI Configuration Software Utility	DNIUTIL1.EXE
	DNI Icon for Configuration Software	1761DNI.BMP

Related Publications

Title	Pub. No.
Advanced Interface Converter (AIC+) and DeviceNet Interface (DNI) Installation Instructions	1761-IN002
DeviceNet Interface User Manual	1761-6.5

If you would like a manual, you can:

- download a free electronic version from the internet:
  www.ab.com/micrologix or **www.theautomationbookstore.com**
- purchase a printed manual by:
  - contacting your local distributor or Rockwell Automation representative
  - visiting **www.theautomationbookstore.com** and placing your order
  - calling 1.800.963.9548 (USA/Canada)
    or 001.330.725.1574 (Outside USA/Canada)