

# 170 LNT 710 00 DeviceNet Communication Adapter

## Read Me First

### Overview

This is to notify users of the 170 LNT 710 00 DeviceNet communication adapter that the exec. has been updated from version 1.20 to version 1.41.

The SV will change from 1.20 to 1.41.  
The PV will change from 03 to 08.

### I/O Bases That are Affected

The following discrete Momentum I/O bases are affected.

- 170ADM35010
- 170ADM35011
- 170ADM39010
- 170ADM37010

### Differences Between the Exec. Versions

The following table describes the differences between DeviceNet communication adapters, versions 1.20 and version 1.41, on the Momentum I/O bases listed below. Refer to the *Momentum I/O Base User Guide* (870 USE 002) for module specifications.

Firmware	Action
Version 1.20	<ol style="list-style-type: none"> <li>1. When both poll and strobe modes are selected at the same time in the DeviceNet Scanner <b>IO Parameters</b>, bi-directional discrete base outputs (i.e., 170 ADM 350 10) freeze at last value when the 170 LNT 710 00 DeviceNet adapter loses Fieldbus communication after operating for more than 30 seconds on the bus.</li> <li>2. A 170 LNT 710 00 DeviceNet adapter drops off the network every 10 seconds and then recovers. This occurs when the adaptor is mounted on a discrete input base (i.e., 170 ADI 350 00) and the DeviceNet Scanner <b>Edit IO Parameters</b> for this module are set to POLLED.</li> <li>3. Inputs on a bi-directional module (i.e., 170 ADM 350 10) freeze in their last state and remain in that state if a detected error occurs on an output, regardless of the field side input activity, until the detected error is removed.</li> </ol>
Version 1.41	<ol style="list-style-type: none"> <li>1. The bidirectional discrete base outputs turn off when the 170 LNT 710 00 DeviceNet adapter loses Fieldbus communication.</li> <li>2. The 170 LNT 710 00 DeviceNet adapter can maintain its communication without drop-off.</li> <li>3. Discrete inputs can be read continuously when an output detected error occurs.</li> </ol>



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