



## DeviceNet Option Board

Addendum to IL.01-50509-00 and TD.08H.36.T.E

**Preliminary**

### Summary

These changes are applicable to DeviceNet option board software versions smmb005e and smbp020e, or later, used with application software cha030bd and cha015ee or later, released in January 2003.

Revisions include:

- Changes to Polled Input Assembly and Polled Output Assembly Type definitions
- Addition of Input 107 and Output 101 IO Polling Assemblies

These changes enable the user to select monitoring variables directly through IO Polling.

### Changes to DeviceNet Configuration Tool

#### Basic and Motor Control Class (160) - Instance Attributes (1)

#	Attribute Name	Services	Default Minimum Maximum	Data Type	Description
26 0x1A	<b>Polled Input Assembly Type</b>	Get_Attribute_Single Set_Attribute_Single	71 70 73  107	C7	Input assembly used by the polled connection    Special Status
27 0x1B	<b>Polled Output Assembly Type</b>	Get_Attribute_Single Set_Attribute_Single	21 20 23  101	C7	Output assembly used by the polled connection    Special Control

### Changes to Appendix 3

#### Input 107<sup>1</sup>

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
<b>Byte 0</b>	AtReference	RefFromNet	CtrlFromNet	Ready	Running2	Running1	Warning	Faulted
<b>Byte 1</b>	Drive State							
<b>Byte 2</b>	IO Polling Word 1 (Low Byte) Only selectable from the drive (Group 11 in Closed Loop; Group 13 in Encoder Closed Loop)							
<b>Byte 3</b>	IO Polling Word 1 (High Byte) Only selectable from the drive (Group 11 in Closed Loop; Group 13 in Encoder Closed Loop)							
<b>Byte 4</b>	IO Polling Word 2 (Low Byte) Selectable from either the drive or output assembly 101							
<b>Byte 5</b>	IO Polling Word 2 (High Byte) Selectable from either the drive or output assembly 101							
<b>Byte 6</b>	IO Polling Word 3 (Low Byte) Selectable from either the drive or output assembly 101							
<b>Byte 7</b>	IO Polling Word 3 (High Byte) Selectable from either the drive or output assembly 101							

<sup>1</sup> Must use application software cha030bd and option board software smmb005e or cha015ee and smbp020e for closed loop application.

## Input 101<sup>2</sup>

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
<b>Byte 0</b>		NetRef	NetCtrl					
<b>Byte 1</b>								
<b>Byte 2</b>	Speed Reference (Low Byte)							
<b>Byte 3</b>	Speed Reference (High Byte)							
<b>Byte 4</b>	Torque Reference (Low Byte)							
<b>Byte 5</b>	Torque Reference (High Byte)							
<b>Byte 6</b>	IO Polling Word Selection (Word 2) – Refers to variable seen in Input Assembly 107, Byte 4, 5							
<b>Byte 7</b>	IO Polling Word Selection (Word 3) – Refers to variable seen in Input Assembly 107, Byte 6, 7							

<sup>2</sup> Must use application software cha030bd and option board software smmb005e or cha015ee and smbp020e for closed loop application.