2 Axis Analog Encoder Servo Module Firmware v13.2 Release Note

Cat. No. 1756-M02AE

Introduction

This release note corresponds to version 13.2 of the 2 Axis Analog Encoder Servo Module. It is intended for use in the ControlLogix™ system as follows:

Update this software or firmware	Catalog Number:	Revision
Logix5550 Controller	1756-L1, -L1Mx	13
Logix5555 Controller	1756-L55Mx	13
Logix5563 Controller	1756-L63	13
RSLogix 5000™ Software	9324-RLD300ENE 9324-RLD600ENE 9324-RLD700NXENE	13

This is a minor revision to the firmware and contains the following corrections and restrictions.

Corrections

Corrected the anomaly introduced in version 12.9 that prevented a Motion Servo On (MSO) instruction from physically operating when executed after a Motion Direct Drive On (MDO) instruction.

Restrictions

- If ControlFLASH™ detects an error while upgrading the 2 Axis Analog Encoder Servo Module's firmware, wait at least 60 seconds before removing power in order to give the module an opportunity to recover.
- When using ControlFLASH to update the 2 Axis Analog Encoder Servo Module, make sure that no Logix Controller in the same chassis can configure the module during the upgrading process.

If the Flash Upgrade fails to complete during the ControlFLASH procedure and you receive a Communication Request Timed Out followed by a DSP Update Failed message, the 1756-M02AE is connected to (communication with) a processor. Data connections to the module must be closed prior to performing the ControlFLASH update. For a successful update, the OK LED on the 1756-M02AE must be in a flashing green state. If the 1756-M02AE module is connected to the processor the OK LED is solid green.

If it is acceptable to clear out the processor's memory, use the following method to remove the connection.

Clear the program from the ControlLogix processor by removing the battery and performing an RIUP (Removal and Insertion Under Power) of the processor module. Next RIUP the targeted 1756-M02AE module to clear the module's connection fault. An alternative to the RIUP sequence is to simply cycle power to the ControlLogix rack. When the module's OK LED is flashing green, the module is ready to be updated using ControlFLASH.

If you must preserve the processor's memory, use one of the following methods to remove the connection.

- Move the 1756-M02AE module to an empty slot in the ControlLogix rack and then perform the ControlFLASH update.

- Inhibit the 1756-M02AE using RSLogix5000. To do this right click on the targeted 1756-M02AE module in the Controller Organizer and select Properties. Click on the Connection Tab and check the Inhibit Module check box. Click on the Apply button. RSLogix5000 closes the connections to the 1756-M02AE. Perform the update using ControlFLASH.

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