

ControlLogix Digital Input Modules

Catalog Numbers 1756-IA16, 1756-IA16I, 1756-IA32,
1756-IB16, 1756-IB16D, 1756-IB16I, 1756-IC16, 1756-IG16,
1756-IH16I, 1756-IM16I, 1756-IN16, 1756-IV16

About This Publication

Use this publication when you are upgrading the firmware on your ControlLogix digital input module.

IMPORTANT

Before you upgrade your module's firmware, remember:

- if your module uses firmware major revision 2, you can upgrade only to the latest major revision 2 firmware.
- if your module uses firmware major revision 3, you can upgrade only to the latest major revision 3 firmware.

ATTENTION

If you update firmware in a module that already contains a 3.x firmware revision, do not select any 2.x firmware revision even if it is listed as a valid update. Loading any 2.x firmware revision into a 3.x module renders the module inoperable. You will need to return the module to Rockwell Automation for repair.

Additionally, if you attempt to update firmware in a module that already contains a 2.x firmware revision to any 3.x firmware revision, you receive a ControlFlash error dialog box. This firmware update is not supported.

2 ControlLogix Digital Input Modules

This table lists the firmware revisions affected by the anomaly described in this publication and the firmware revisions that provide the anomaly correction.

Firmware Revisions Affected

Cat. No.	Firmware Revision Affected by Anomaly	Firmware Revision that Provides the Anomaly Correction
1756-IA16	3.2	3.3
	2.5	2.6
1756-IA16I	3.2	3.3
	2.2	2.3
1756-IA32	3.2	3.3
1756-IB16	3.2	3.3
	2.5	2.6
1756-IB16D	3.2	3.3
	2.6	2.7
1756-IB16I	3.2	3.3
	2.2	2.3
1756-IC16	3.2	3.3
	2.2	2.3
1756-IG16	3.2	3.3
1756-IH16I	3.2	3.3
	2.2	2.3
1756-IM16I	3.2	3.3
	2.2	2.3
1756-IN16	3.2	3.3
	2.2	2.3
1756-IV16	3.2	3.3

Corrected Anomaly

With the affected firmware revisions, the module briefly lost connections to the controller after a power cycle if it was configured for change of state (COS) and used a low requested packet interval (RPI), such as 200 μ S.

The module automatically re-established connections.

IMPORTANT

This anomaly typically occurred only in systems with a period of very fast input activity followed by a period of little activity on those same inputs.

To avoid the anomaly without upgrading your module's firmware, you should use a higher RPI.

Additional Resources

This document contains additional information concerning related Rockwell Automation products.

Resource	Description
ControlLogix Digital I/O Modules User Manual, publication 1756-UM058	Provides details about how to configure, use, and troubleshoot your module.

You can view or download publications at <http://www.rockwellautomation.com/literature>. To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://www.rockwellautomation.com/support/> you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://www.rockwellautomation.com/support/>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

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