



ControlLogix Isolated Analog I/O Modules

Catalog Numbers 1756-IT6I2, 1756-IF6CIS, 1756-IF6I, 1756-IT6I, 1756-IR6I, 1756-OF6CI, 1756-OF6VI

These release notes correspond to the ControlLogix Isolated Analog I/O Modules firmware revision 1.12.

IMPORTANT

Firmware revision 1.12 is available for all ControlLogix Isolated Analog I/O modules listed above. However, not all the modules had anomalies that needed to be corrected.

Table 1 describes corrected anomalies that existed on specific catalog numbers when those modules used firmware revisions prior to 1.12.

Corrected Anomalies

Table 1 describes the anomalies corrected by this firmware revision.

Table 1

Corrected Anomaly:	Description:	Catalog numbers affected:
Channel Notch Filter and Input Range Settings were Applied to the Wrong Channels, Resulting in Incorrect Channel Data	Notch filter and input range selections are applied on a channel-by-channel basis during module configuration. Previously, if you configured the module so that either the notch filter setting or the input range was different for any of channels 2 through 5, the thermocouple module applied these selections to the wrong channels and your module returned incorrect data for each channel.	1756-IT6I2
Using the 1492 Analog Interface Module (AIFM) Caused Incorrect Cold Junction Compensation To Be Applied To Channel Data	<p>If you used an AIFM and prewired cable to connect wiring to your thermocouple module, at start-up, the thermocouple module:</p> <ul style="list-style-type: none"> • incorrectly read the cold junction values • went to an overrange condition <p>and</p> <ul style="list-style-type: none"> • incorrectly applied cold junction compensation to input channel data. <p>The module consequently provided incorrect channel data. This functional issue only occurred at start-up and only applied to 1492 AIFM users (i.e., when you wire to your thermocouple module via the 1492-AIFM6TC-3 AIFM with the 1492-ACABLExYT prewired cable). In this case, start-up was considered anytime module operation restarted (e.g., initial power-up, when an RIUP condition existed, after configuration changes were made or module reset).</p>	1756-IT6I2

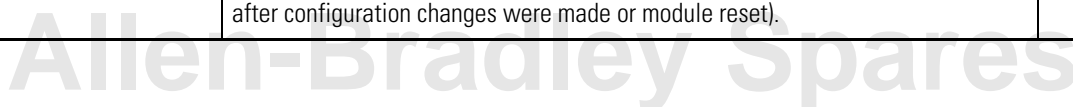


Table 1

Corrected Anomaly:	Description:	Catalog numbers affected:
Scaling Did Not Function Properly When Default Sensor Type and Scaling Settings Were Not Used	You configure a Sensor Type and set Scaling parameters for each channel on the module. Previously, if you attempted to scale a temperature input, scaling did not always function properly.	1756-IR6I 1756-IT6I
Rate Alarms Did Not Function Properly When Default Sensor Type and Scaling Settings Were Not Used	You configure 4 process alarms for each channel on the module. Previously, if you attempted to scale a temperature input, rate alarms did not always function properly.	1756-IR6I 1756-IT6I

Upgrading the Module Firmware

The ControlLogix Isolated Analog I/O modules ship with working firmware. If you need to upgrade to revision 1.12, you must first download the new firmware.

To obtain the latest firmware and directions for how to install it on your module, visit:

<http://support.rockwellautomation.com>

www.rockwellautomation.com

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