PRODUCT NOTE   YASKAWA

Title: What causes an MPiec controller to post the "Duplicate LogicalInput IDs were detected" alarm?	
Product(s): MP3200iec, MP2300iec, MP2600iec, MP3300iec, MotionWorks IEC	**Doc. No.** PN.MPIEC.02

Product Overview

This product note shows how the io.xml file can be corrected using the existing MotionWorks IEC program and the hardware configuration.

Creating a MotionWorks IEC v2 program offline with 2 axes generates an io.xml file within the C:\Users*user_name*\Documents\MotionWorks IEC v2 Pro*file_name*\C\Configuration\R\Resource\StartupFiles folder. Converting the MotionWorks IEC v2 program to MotionWorks IEC 3.3.0.209 and below and saving the Hardware Configuration will create the error.

Notes: Starting a blank project with MotionWorks IEC v3.x eliminates this issue.

Products Used

Component	Product and Model Number
Controller	MPiec Series Controller
Software	MotionWorks IEC 3.3.0.209 (and below) Pro and Express

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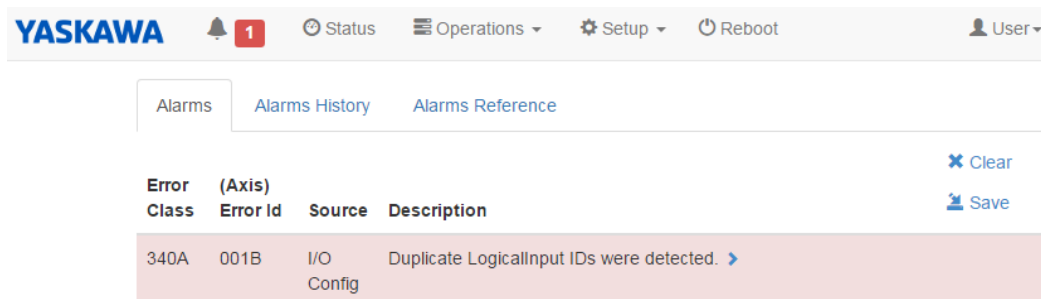| **Product(s):** MP3200iec, MP2300iec, MP2600iec, MP3300iec, MotionWorks IEC	**Doc. No.** PN.MPIEC.02

Implementation

1. Login to MPiec Controller

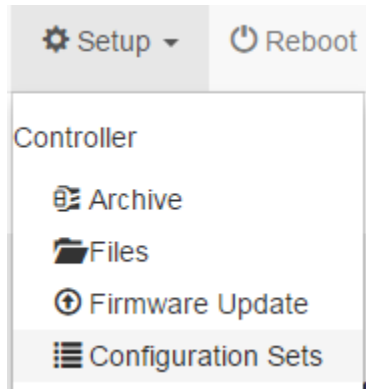2. Verify under the Alarms tab that the 'Duplicate LogicalInput IDs were detected' alarm is present

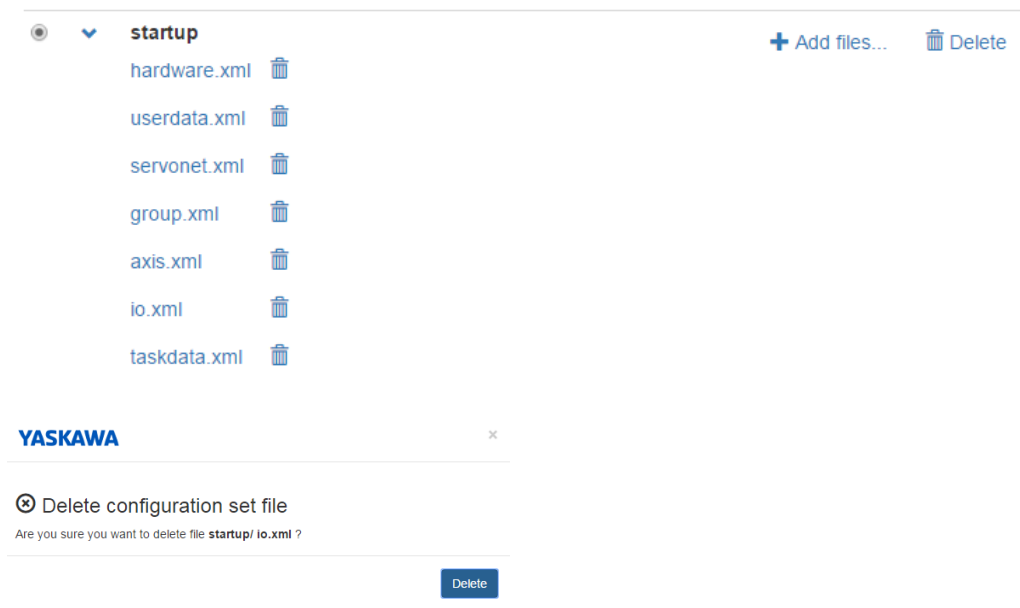| **Title: What causes an MPiec controller to post the "Duplicate LogicalInput IDs were detected" alarm?**	
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3. Navigate to Setup > Configuration Sets

4. Under the Startup Folder, click the trash can icon to delete the io.xml

5. Reboot Controller

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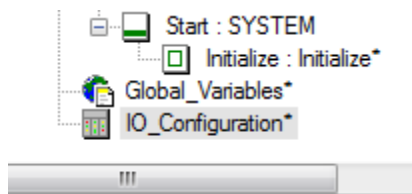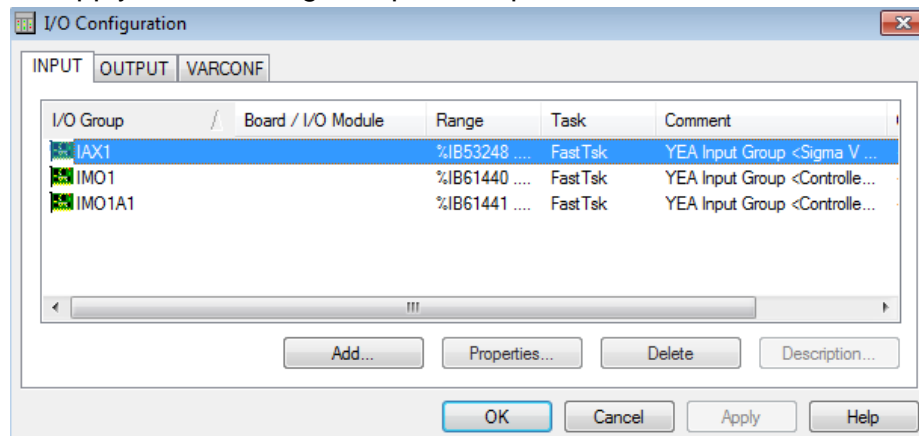
Doc. No. PN.MPIEC.02

6. Open the MotionWorks IEC Project to use and navigate to the bottom of the Project Tree Window under 'IO_Configuration'
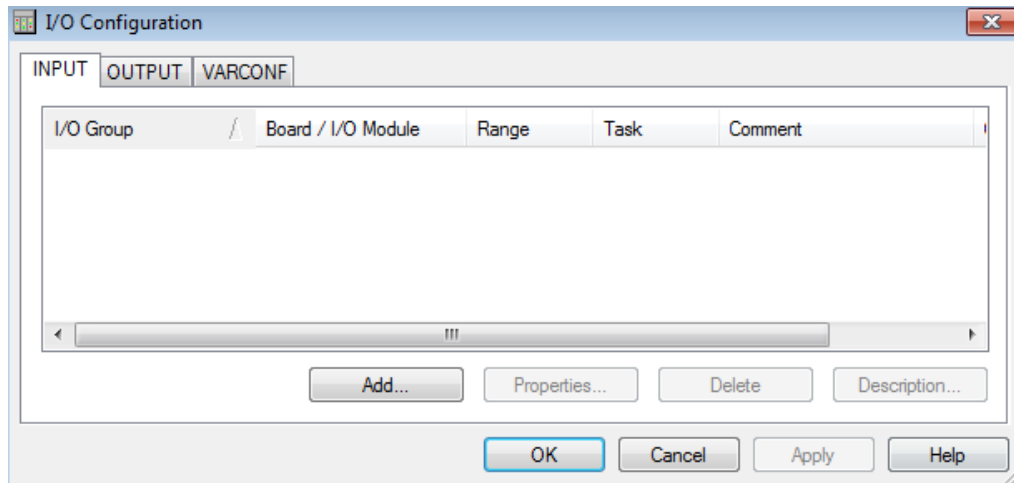

7. Double-click IO_Configuration
8. Delete ALL I/O Groups in the list for the INPUT Tab
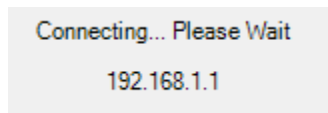
Hit Apply after deleting all Input Groups

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9. Repeat Step 6 for the OUTPUT Tab
10. Click OK
11. Go to Hardware Configuration
12. Connect to Controller

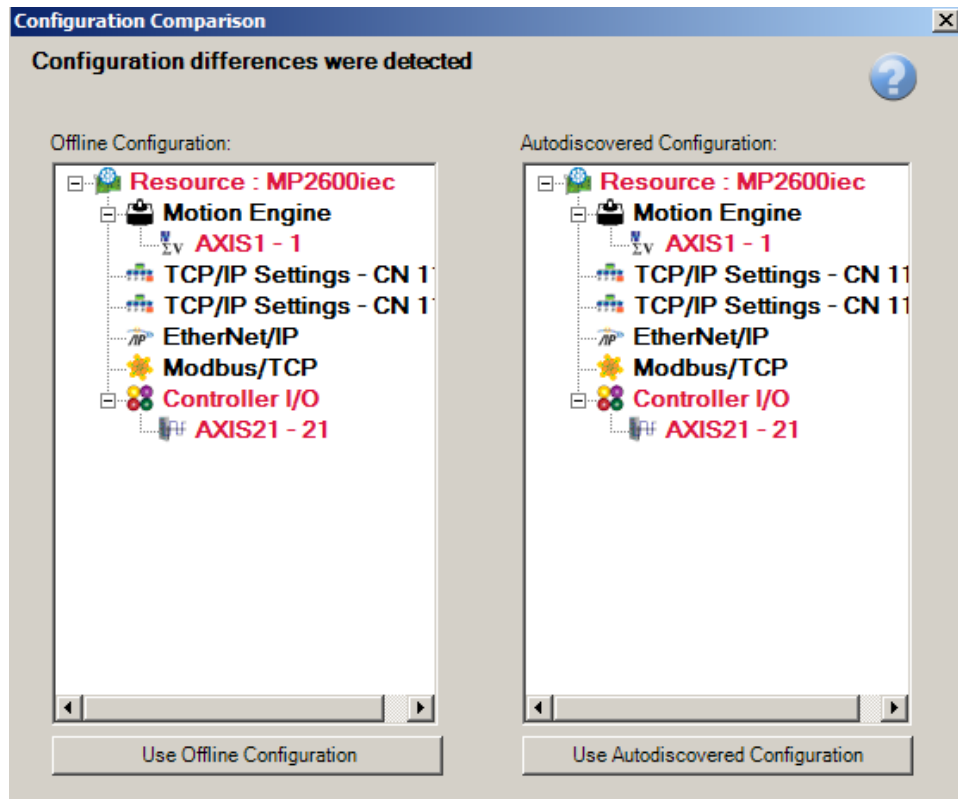13. Use Offline Configuration

14. Save Configuration

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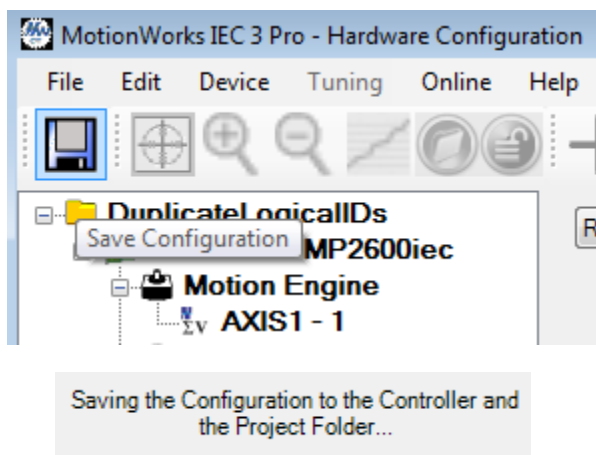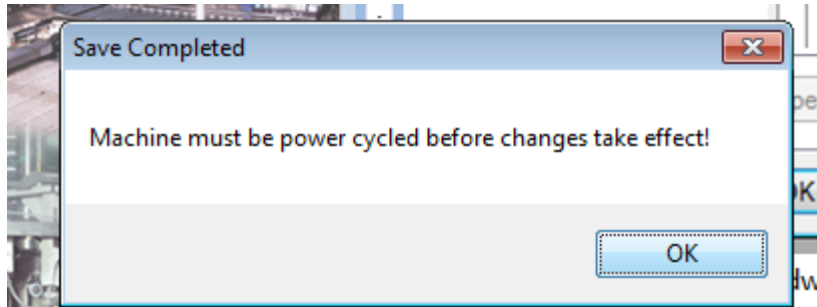| **Product(s):** MP3200iec, MP2300iec, MP2600iec, MP3300iec, MotionWorks IEC	**Doc. No.** PN.MPIEC.02

Save Completed

Machine must be power cycled before changes take effect!

OK

15. Click 'Online' in the Menu Bar and Reboot the Controller

Online | Help
Online/Offline
Reboot Controller

Reboot Controller

Do you wish to reboot controller 192.168.1.1 now? Connection will be lost.

Yes | No

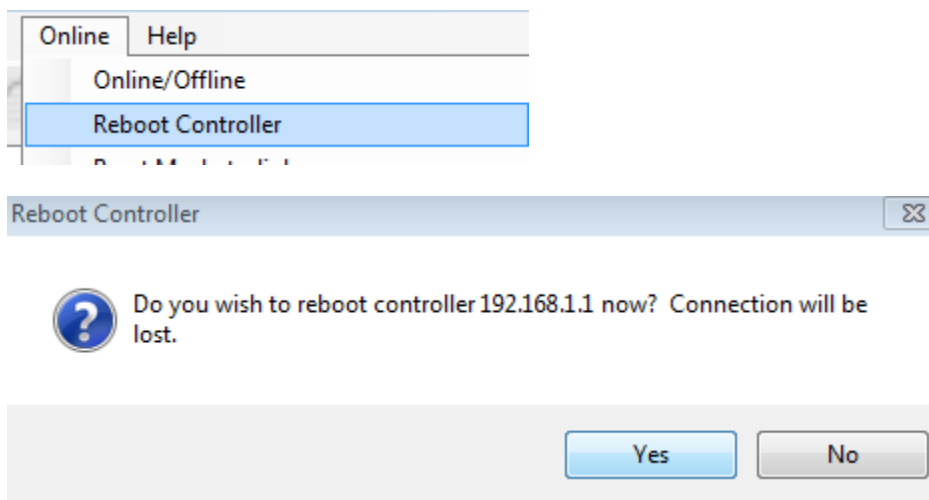16. Close Hardware Configuration

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17. Go back to the Web Server and verify under the Configuration Sets Folder that the io.xml file was replaced

18. On the Alarms page, verify that the 'Duplicate LogicalInput IDs were detected' alarm is cleared