# What causes an MPiec controller to post the "Duplicate Logicallnput 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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## Implementation

1. Login to MPiec Controller

YASKAWA -1 〇 status ミoperations $\quad 2$ User

| Welcome Admin |
| :--- |
| Yaskawa MP2600iec Controller Interface  <br> Software Platform MP2600iec <br> Version 3.2 .0 <br> Build Number 175 <br> Build Date $2016-02-23$ <br> Hardware Platform SGDV-OCCO2A <br> Model Number SGDVXxxxExx000000300 |

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


Alarms Alarms History Alarms Reference

| Error | (Axis) |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Class | Error Id | Source | Description | ※ Clear |
| 340 A | 001 B | I/O <br> Config | Duplicate Logicallnput IDs were detected. $>$ | Save |

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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

| －$\checkmark$ | startup |  | ＋Add files．．． | 监 Delete |
| :---: | :---: | :---: | :---: | :---: |
|  | hardware．xml | 盼 |  |  |
|  | userdata．xml | 监 |  |  |
|  | servonet．xml | 前 |  |  |
|  | group．xml | 盒 |  |  |
|  | axis．xml | 监 |  |  |
|  | io． xml | 嗞 |  |  |
|  | taskdata．xml | 面 |  |  |

## YASKAWA

© Delete configuration set file
Are you sure you want to delete file startup／io．xml ？

5．Reboot Controller

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## (1) Reboot

WARNING: Rebooting the controller will immediately stop all motion, servo off all drives, and stop all user programs. The controller will then reboot, which will end all network connections.

## Reboot

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

## Connecting... Please Wait

192.168.1.1

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13. Use Offline Configuration

14. Save Configuration


Saving the Configuration to the Controller and the Project Folder..

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

| Online Help |  |
| :--- | :--- |
| Online/Offline |  |
| Reboot Controller |  |
| $n \quad . . .4$. | . . . |

Reboot Controller


Do you wish to reboot controller 192.168.1.1 now? Connection will be lost.
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 Logicallnput IDs were detected' alarm is cleared


