



Read Me First– ProcessLogix R400.0 Service Pack 1

Summary of Problems Solved

Control Processor Modules

If certain PUSH block parameters are exposed as input pins and connected to parameters of function blocks within the same controller or peer controller, the controller will fail (error code 7) or hang (the CPM's LED stops flashing). This happens as soon as the control module containing the PUSH block is activated. The parameters on the PUSH block that cause such a failure are STOREENB, STORONCHGENB, INPUTCHGDB, THRESHOLD, TRUNCATEOPT, BOOLVALUEOFF, BOOLVALUEON, ENUMBOOLMAP.

Fieldbus Interface Module

Connections from any 1757-PLX52 parameter to a FOUNDATION Fieldbus™ IN.VALUE parameter (i.e. one of the non-initializable parameters) will break if the link is inactivated then reactivated. Examples of non-initializable parameters are: PV, SP an example of initialized values that are not affected would be OP.

Connection would not get re-established in the event of loss of power to the FIM or FIM replacement.

The Period of Execution does not get loaded into function block headers for Foxboro® and E+H™ devices.

Service Pack Installation Instructions

This patch applies to ProcessLogix™ R400.0 Servers and Engineering Workstation Clients only.

Follow the steps outlined below to install the service pack files and to upgrade your FIMs and CPMs.

ATTENTION



Your process must be off control before you begin the procedure in this document. This means the 1757-PLX52 should be in its Idle state.

IMPORTANT

You must be logged on as <ps_user> before installing the ProcessLogix R400.0 Service Pack 1 software.

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1. If running Control Builder or NTools, exit them first.
 2. Go to the directory where the R400.0 Service Pack 1 was downloaded. Double-click the R400.0_SP1.exe file.
 3. Click OK to unzip the service pack files.
 4. Click Start ⇒ Run.
 5. Key the following path into the Open field or use Browse to navigate to the Patch_Setup.exe file:

<C:\R400.0_SP1\Patch_Setup.exe>
 6. Click OK to launch the service pack setup.
 7. When setup is complete, click OK.
 8. Using NTools, reload all 1757-PLX52s and 1757-FIMs with the new application firmware.

TIP



For more information concerning firmware upgrades, refer to Chapter 7 in the ProcessLogix R400.0 Installation and Upgrade Guide, publication 1757-IN040.

Service Pack Contents

Upon running patch_setup.bat, the following files will be copied to the directories indicated below:

Table 1 Patch files and directories

Name	Size	Type	Modified	Directory
fimboot.nvs	1 KB	NVS File	11/12/2001 12:17 PM	C:\Honeywell\TPS50\System\Firmware\1757-FIM
fimboot.pcm	449 KB	PCM File	11/16/2001 3:16 PM	
fimrex.nvs	1 KB	NVS File	11/16/2001 2:33 PM	
fimrex.pcm	903 KB	PCM File	11/16/2001 3:18 PM	
cm.dll	124 KB	Application Extension	11/16/2001 3:57 PM	C:\Honeywell\TPS50\System\bin
ffdev.dll	104 KB	Application Extension	11/16/2001 3:57 PM	
cee5.pcm	1,505 KB	PCM FILE	11/15/2001 1:45 PM	
cee50.pcm	1,596 KB	PCM FILE	11/15/2001 1:41 PM	

Controller and Communications Hardware/Firmware Components

The Network Tools application can be used to verify that the correct personality and/or boot images have been loaded in the FIM or CPM. Refer to the updated Firmware tables below for the correct revision information.

Table 2 Controller Hardware/Firmware Components

Component Name	Model Number	Revision Level for R400.0 Service Pack 1	Directory	File
Process Controller Module	1757-PLX52 (redundant-compliant)	AV 400.0-19.5 BV 400.0-19.1	C:\Honeywell\TPS50\System\bin	cee5.pcm cee50.pcm cpmboot.pcm
FOUNDATION Fieldbus Interface Module	1757-FIM	AV 400.0-19.6 BV 400.0-19.4	C:\Honeywell\TPS50\System\Firmware\1757-FIM	fimboot.nvs fimrex.nvs

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www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36-BP 3A/B, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433

Europe: Rockwell Automation, Brühlstraße 22, D-74834 Elztal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 17741

Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 351 6723, Fax: (65) 355 1733

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