Flash Upgrade for XRC6400 Product Family
(2100355-001 or –002 electronic boards)

Warning! Do not attempt to use this particular FLASH image on an XFC (P/N 2100204-xxx) or microFLO (2100767-xxx) product. Doing so will cause unpredictable results.

Required Hardware and Software to perform the FLASH Operation:
- FLASH part number 2101052-021.s19
- PCCU 4.5x or higher software installed on a laptop computer running Microsoft Windows with 1 available serial port.
- Totalflow Flashloader program (supplied with PCCU software)
- 2100355-001 or –002 electronics board
- PCCU data cable ABB Part# 2015240-xxx or equivalent
- Laptop or desktop computer

Instructions:
1. Connect to electronic board locally using PCCU software and a PCCU data cable
2. Go to "Entry Verify the existing FLASH has the same prefix xxxxxxx-. If not, consult with technical support before proceeding. Changing to a different FLASH part number can create incompatibility between the FLASH image and the configuration files.
3. Start the Flash Loader software (Click the Windows Start button then select Programs->Totalflow PCCU32->Flash Loader)
4. Select the firmware file you would like to load (you may click the small button with the … out to the right of the Flash File Name field to browse to the .s19 file)
5. Make sure the Device field shows X-Series
6. Make sure the Port selected matches the Com port you are using to connect to the Totalflow FCU
7. Make sure the mode reads Program Flash and the block size is 512
8. Click the Next button
9. Click the "Start Download" button on the left
10. You will begin seeing text representing the status of the download including "reading load file", "erasing flash", "loading flash", "no error, done, rebooting".
11. When the download completes and the Abort button goes away and is replaced with a dialog box stating "Done", press the "OK" button to warm boot the FCU and initiate the new program.
12. Click the Close button on the Flash Loader and disconnect the cable from the FCU