Using an EPROM Chip with -004x Series Panels

It is still possible to use an EPROM chip with the newer version (-004x series) panels. In order to do this, the user must remove the flash chip on the CPU. The following steps will help the user to accomplish this task.

1. Create an icon for the Memory Configuration utility that is packaged with Designer for Windows. This can be done by selecting **File - New** from the Program Manager in Windows. Select the option **Program Item**. The file for this utility is entitled **memcfg.exe** and is located in the Designer directory.

2. Apply power to the panel and connect the programming cable. Make sure that the panel is in Configuration Mode.

3. Start the **Memory Configuration** utility by double clicking on the icon that was created in step 1.

4. Select **Options - Select Memory** and choose the type of chip you wish to use.

5. Select **Options - Select Com Port** and choose the communications port.

6. Select **Configure!** This will configure the panel for the type of memory that will be installed.

7. Start the Designer for Windows software. Create the project file as before, but instead of saving the file as a project file, you will need to save it as a ROM file. This can be accomplished by selecting **Transfers - Options** and clicking on the **Create EPROM File** button.

8. This will bring up a dialog box in which the user can select the name of the EPROM file. Once the name has been specified, another dialog box will appear in which the user can specify the type of chip being used, the panel firmware version, and what to transfer to the ROM file (either the project, the protocol, or both). *The firmware version selected should be the one that most closely matches the true version of firmware located in the panel. The user should select to transfer both the project and the protocol to the ROM file.*

9. Copy the ROM file to disk and burn it into an EPROM chip.

10. Remove power from the panel.

11. Turn the panel face down.

12. Remove the four screws from the small housing that contains the PLC port and the PC/Printer port.

13. This housing is connected to the circuit board beneath it via a ribbon cable. Carefully lift the housing up and unhook the ribbon cable.

14. Once this housing is removed, there will be a circuit board attached to the panel via two press-in connectors.

15. There may be a flash chip located on the side of the circuit board you are currently looking at. If there is, proceed to step 17. If there is no flash chip present, you will need to remove the circuit board. This can be accomplished by gently lifting the circuit board upward.

16. Once the circuit board is removed, turn it over. The flash chip is located in the U8 socket.

17. With a chip extractor, remove the chip.

18. Replace the new chip, paying close attention to the notches.

19. Once you have the chip replaced, replace the circuit board and the housing. The installation is now complete.