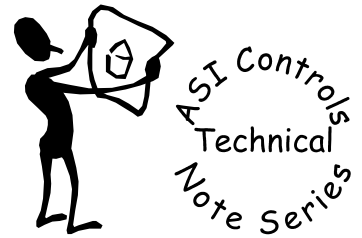# Trend Memory Write Defect

Affects: ASIC/1-8655

Date: 23 September 2004

Note No. TE-025

A memory write defect has been discovered in trending in all prior versions of the ASIC/1-8655, FW655A1.0 through FW655A1.6. This defect causes excessive writing to Flash Memory when trending is used and will eventually damage the controller's flash memory after about 3 years of continuous operation. Although to date we have not seen any problems in the field, this problem requires your immediate attention.

If the Trend Day of Week is "N/A", then Trend is not enabled. The Factory Default is Trend disabled. Please verify that you do not have it enabled.

- If you do **NOT have trend enabled**, then **No Action is required**.

- If you **HAVE Trend enabled**, then **Immediate Corrective Action is required**.

    Disable Trending or upgrade to FW655A1.7 immediately.

Failure to disable trending or upgrade firmware will lead to controller failure.

Disable Trending

Immediately Disable Trending in the ASIC/1-8655 controllers!

Set the Trend Day of Week to zero, "N/A." Updated a1-8655.pvs and .tcl files that include a Disable Trend button on the Trend screen are available in the Integrator Center.

You may also issue a Device Global command to set the Trend Day of Week = 0 on all controllers on a local bus.

If trending is required by your customer, you must update the firmware.

Download 8655-pvs.zip from the Integrator Center. http://www.asicontrols.com/integrator/asic_1_8655/

8655-pvs.zip also contains the latest ASIC1.mdb, and Expert.exe file.

Upgrade Firmware

New Firmware FW655a17 that corrects the problem is available on the integrator center. Download FlashDev8655.zip from the integrator center. http://www.asicontrols.com/integrator/asic_1_8655/

FlashDev8655.zip includes the firmware file 655a17a.hex as well as the latest version of FlashDev.exe. It is installed in the c:\ASI\FlashDev\ folder.

Use FlashDev.exe to update the firmware over the RS-485 communication line. You will need to connect to each communication bus. The SINC/3 and ASIC/2 controllers do not presently allow pass-thru of flash download messages.

The new version of FlashDev makes it easier to download new firmware:

    It automatically sets the Flash Enable option in the controller.

    A list of device addresses can be entered for "batch processing".

Technical Note TN-026 Flash Device describes the operation of the In-Field Flash Programmer.

If you have any further questions please contact: ASI Controls Technical Support support@asicontrols.com, or call 925-866-8808