Siemens Industry, Inc.	**Software Release Memo**

Model 353 Process Automation Controller

Design Level "B"

MPU Controller Board Firmware Version 4.03

PRODUCT(S) INVOLVED

Model 353, Design Level B[1], Process Automation Controller (e.g. TGX:353_ _ _ _ _ _**B**_)

INTRODUCTION

This Software Release memo discusses the enhancements and operational considerations for version 4.03 of MPU Controller board firmware. This firmware is intended for a Design Level "B" Model 353 with 4.00, 4.01, or 4.02 firmware.

Firmware is installed using the Controller Firmware Upgrade Utility, version 4.03, available for download from http://support.automation.siemens.com/US/view/en/51785815. The download includes the Upgrade Utility and controller firmware. *For more information about the utility and firmware installation steps, refer to Software Release memo SR15939-71-6.*

ENHANCEMENTS

The following enhancements are included in version 4.03 firmware:

Universal T/C inputs – At power up, a design level "B" 353 controller with an I/O Expander Board will now correctly clear an error status retained from the previous session.

Faceplate buttons UNITS and TAG now require only a single press to update the faceplate display. Previously more that one press could be needed.

OPERATIONAL CONSIDERATIONS

In the STATN - Station Parameters function block, parameters CONFG LO and PARAM LO can have a value of either 0 <u>or</u> 1, 2, or 3: a 0 allows writes, a 1, 2, or 3 prevents writes. (There is no difference in operation in selecting a 1, 2, or 3.) Earlier User's Manuals list "write" values as YES/NO, which was correct for earlier firmware. Later manuals list values (1, 2, or 3) incorrectly. Reads are always enabled.

Simultaneously pressing faceplate buttons PB1 and PB2 will cause the loop A/M status to toggle, even if the PB1 and PB2 function blocks are not configured.

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[1] The design level is indicated by the next to last character in the model number. The characters shown are those required to identify an involved instrument. See the Siemens Process Instruments catalog or the instrument's User's Manual (UM353-1B) for complete model designation information.

UPGRADE CONSIDERATIONS AND MATERIALS

None. Note that this firmware release is for use with design level "B" Model 353 controllers only.

INSTALLING VERSION 4.03

Refer to Software Release memo SR15939-71-6 for a brief list of needed hardware and the firmware installation steps.

CUSTOMER/PRODUCT SUPPORT

For support and the location of your local Siemens representative, refer to the table below for the URL of the Process Instrumentation (PI) portion of the Siemens public Internet site. Once at the site, click **Support** in the right column and then **Product Support**. Next select the type of support desired: sales, technical (see the table below), documentation, or software.

Online Support Request	http://www.siemens.com/automation/support-request
Technical Support	1-800-333-7421; 8 a.m. to 4:45 p.m. eastern time, Monday through Friday (except holidays)
Customer Service & Returns	1-800-365-8766 (warranty and non-warranty)
Public Internet Site	http://www.usa.siemens.com/pi
Technical Publications in PDF	Click the above link to go to the Siemens Internet site and then click **Process Instrumentation**. In the column to the right, click **Support** > **Manuals**. In the column to the left, select the product line (e.g. Pressure or Temperature or Controllers) to open navigation and search panes.