

ENGINEERING PUBLICATION
MOTION CONTROL DIVISION

PRODUCT: Y TERM

SUBJECT: UPGRADE TO Y TERM

CATEGORY: UPGRADE NOTE

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DISTRIBUTION: ALL

Improvements to Yterm 7.0

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SMC4000 support:

The latest version was modified and tested to work with the recently released SMC4000 controller.

Syntax Checker:

Programs are automatically syntax checked before being downloaded to the controller. This will save the programmer considerable time by helping to identify errors that would prevent the program from running. Warnings and recommendations are also given when the program is analyzed. In addition, the syntax check is performed based on the selected controller, allowing it to identify and check for compatibility or command differences from controller to controller.

Variable Tool Tip:

When the mouse is held over a highlighted user or internal variable in the program window, the tool tip reports the current value in the controller. This is very helpful for debugging. The variable can be an entire math expression, and it doesn't even need to be in the program currently executing in the controller. This allows programmers to test a calculation of formula live. Any phrase that can be typed into the terminal window by preceding it with the MG command can be updated with a tool tip in the programming window.

Windows Skins (Look & Feel):

A new look has been given to Yterm, the user can select the appearance of the windows and controls on each of the windows. The toolbar has been changed from a vertical toolbar to a more standard, horizontal style. Finally, a standard menu system has been incorporated.

Other visual changes include the addition of a tab system for the Terminal Window, Help, and Syntax Checker.

Performance:

Communications have been improved to process data at much higher rates. This allows faster upload & download of programs and faster viewing of graphical data such as during tuning and scope.

Finally, the speed of program formatting to show comments in green has been dramatically increased, and a utility has been added to format the program into an easier to read layout, especially when it has been uploaded from a controller.