



## **1394 Analog Servo Firmware v6.01**

### **Catalog Number 1394x-SJTxx-A**

The following information reflects enhancements made to several system parameters and faults in the 1394 Analog Servo firmware (version 6.01). Use this document in conjunction with the *1394 Digital AC Multi-Axis Motion Control System User Manual* (publication 1394-5.0-NOV99) and *1394 Analog Servo Firmware v6.01 Document Update* (publication 1394-5.0-DU4-JAN00).

### **Parameter Enhancements**

The following enhancements were made to *[Motor Type]* parameters 100-103 and description found in *Chapter 8*.

- 1326AB-B740E motor is added to the motor selection options.
- *[Motor Type]* parameters 404-407 are added to the *Parameter Numbers* field. This duplication of parameters 100-103 allows you to display the selectable motor options in numerical order.
- Before making modifications to Mtr Data parameters, *[Motor Type]* must be set to “custom motor”. This applies to all Mtr Data parameters.

*[Mtr Peak Cur]* parameters 124-127 and description have been added to *Chapter 8*.

- Motor Peak Current addresses the necessary lower current limits needed for 1326AS-B3xxx motors.
- The default current limit value for each applicable motor was also added.

The following enhancements were made to *[Shunt R]* parameter 44 and description found in *Chapter 8*.

- The *Minimum Value* field has changed to include settings for both 22 kW and 5 and 10 kW systems.
- *[Shunt Type]* must be set to “custom shunt” before making modifications to associated shunt parameters 44-48.

The following enhancements were made to *[Shunt Type]* parameter 49 and description found in *Chapter 8*.

- *[Shunt Type]* parameter 43 was added to the *Parameter Numbers* field. This duplication of parameter 49 allows you to display the selectable shunt options in numerical order.
- The *Parameter Group* field changed to *Linear List*.
- The *Default Value* field is set according to the kW rating of your system. Five, 10, and 22 kW system modules are supported.

- *[Shunt Type]* must be set to “custom shunt” before making modifications to associated shunt parameters 44-48.

The following enhancements were made to *[Stopping Cur]* parameters 308-311 and description found in *Chapter 8*.

- The customer is allowed to change the current limit variables during a stopping sequence.
- The possibility of a system override no longer exists.

## Fault Enhancements

The following enhancements were made to the 1394 Analog Servo system module faults.

- Control power loss faults (Ctrl Power) are no longer posted in the fault queue. Posting these faults upon power down could possibly corrupt the NV memory and result in intermittent NVRam errors.
- Control power (24V) loss is no longer detected or reported.
- The *Ctrl Power* fault was removed from the table in *Chapter 9*.

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