

MELDAS FR-SF Series

**FR-SF Open Loop & Parameter Adjustment
Procedure**

USA-E99651 -006*

MITSUBISHI ELECTRIC AUTOMATION

USA

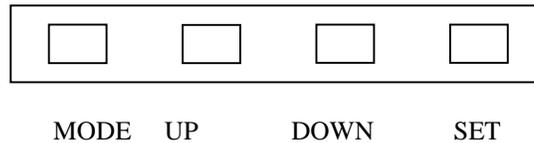
List of Past Revisions

| Suffix | Date of Revision | Detail |
|--------|------------------|-----------------------|
| * | 6/24/98 | First edition created |
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SETTING OPEN LOOP:

Access the Spindle Controller

- a. Locate the 4 push buttons below the 6 seven segment LED's
- b. Press the left-hand button (MODE) several times until the display reads E1
- c. Press the 3rd button (DOWN) 1 time and the display now reads 000000
- d. Press the 4th button (SET) 1 time and the first two zeros will begin flashing
- e. Press the 2nd button (UP) 1 time and the last zero changes to a 1
- f. Press the 4th button again and the first two zeros quit flashing
- g. The display should now read 000001. This indicates that parameter 00 is set to a 1.
At this point do not power off or hit spindle reset, doing this will set parameter 00 back to a 0 and remove the spindle control from its open loop state.



PARAMETER SETTING:

To set the parameters on the FR-SF drive use the following procedure.

1. Push the mode button few times until display reads 01 and data next to it.
2. Use the up key to go to the next parameter, or push the Mode button to go to the next set of parameters. (01 to 20, 21 to 40, 41 to 60, 61 to 80, 81 to A0, A1 to C0, C1 to E0, E1 to FF)
3. To set a particular parameter, select that parameter, push set key once, and the DATA starts flashing.
4. Use up or down push buttons to set the correct value. Once the correct value assigned, push the set button again, the DATA will stop flashing indicating that the new value has been stored.
5. Use the same procedure to set all the parameters.

NOTE:

This procedure is good for setting the values through the spindle unit.

If the spindle controller is bus linked to M300 CNC, parameters #21 through #40 are set on the CNC side in the Machine parameter area for Spindle.

Once all the parameters are confirmed, power OFF and then turn it back ON. Always obtain a Hard copy of the parameter and keep them inside the electrical cabinet.