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SERVICE BULLETIN ! ***SB-71***

GPD 505/P5 INVERTER PROGRAMMING

This service bulletin was created as a programming supplement for the GPD 505 and P5 inverters. Additional programming information can be attained from the inverter programming manual. If you have any questions, contact the Washex Service Department at 1-800-334-WASH (9274).

NOTE

Changing or verifying parameters in the inverter will not clear an existing fault on the inverter. On a machine equipped with the Optima controller, a level five through a level seven password must be entered on the controllers keypad to clear the inverter fault. On machines equipped with the Optima 9900 controller, the fault reset button on the front panel display must be pressed to clear the inverter fault.

GPD 505/P5 Inverter Programming

Introduction

NOTE

Whenever programming new parameters, use the parameters for the machine voltage.

The parameter list has three columns of parameters listed for the inverter. These columns are titled Default Value, 200 V, and 400 V. If your machine is 208 or 230 volts, use the parameters under the 200 V column. For machines with 480 volts, use the parameters under the 400 V column. **DO NOT CHANGE ANY OF THE PARAMETERS ON THE LIST!** Enter the parameters as they are listed. Although some parameter settings may be the same, make sure to use the parameter settings from the appropriate column (200 V or 400 V). Do not use the parameters listed under the Default Value column.

1. Programming

- a. Press the “ENTER” and “DSPL” keys simultaneously to enter the programming mode. The “PRGM” LED will be visible while inverter is in the program mode.
- b. The N001 value has to be changed to unlock the inverter control parameters. Use the up or down arrow key to access the N001 display.
- c. Press the “ENTER” key to view the value set for N001. Use the up or down arrow key to change the parameter value to “3”.
- d. Press the “ENTER” key to place the parameter into memory.
- e. Press the “DSPL” key to display N001.
- f. Press the “▲/UP ARROW” key to change the display to N002.
- g. Press the “ENTER” key to view the value set for N002. Press the “▲/UP ARROW” or “▼/DOWN ARROW” key to change the parameter value.

- h. Press the “ENTER” key to place the parameter into memory.
- i. Press the “DSPL” key to display N002.
- j. To change the remaining inverter parameter values, refer to the above sequence (f. thru i.).

NOTE

Normal inverter operation value is set at 0. The 0 value in the N001 parameter locks out the programming mode and prevents inadvertent parameter changes.

NOTE

The drive inverter will be equipped with either 108 or 116 accessible parameters for programming.

- k. After the parameter values are entered, return to the N001 parameter and enter the “0” value to lockout the programming mode.
- l. Press the “DSPL” key.

2. Verify Parameter Values and Test

- a. Turn off power to machine. After the inverter display de-energizes, turn the power back on.
- b. Verify inverter parameter values with listed values.

NOTE

If a parameter value is incorrect, change the N001 value to “3” before changing the incorrect parameter.

- c. After parameter verification and correction, press the “DSPL” key.
- d. Run a test formula to verify proper machine operation.
- e. Return machine back to production.