

SL3000 QUICK START GUIDE

This guide is for operators who would like to get up and running quickly with a minimal amount of research through the manual. Section 2 and sections 3.1 through 3.8 of the SL3000 instruction manual must be read.

1. Follow all safety and installation instructions as specified in Section 2, Installation Instructions.

BEFORE APPLYING POWER, VERIFY THAT THE PROPER VOLTAGE IS AVAILABLE FOR THE INVERTER. FAILURE TO DO THIS CAN RESULT IN EQUIPMENT DAMAGE AND PERSONAL INJURY.

2. Check all terminal connections for loose connections. Re-verify the proper motor wiring for the voltage being applied.
3. The only connections needed on the terminal strip for keypad control are TB1-11 (Logic Common) connected to TB1-12 (External Trip) and TB1-21 (Logic Common) connected to TB1-22 (Stop). TB1-11 and TB1-21 are both common and reference the same point.
4. Apply AC power to the input terminal (L1, L2, L3). The following will appear on the display if there are no faults. The factory settings are for keypad operation in the forward direction.

SP0: 0 RPM stopped

5. To change any parameters use the following procedure
 - a. Press the PROG key.
 - b. Use the MENU key to reach the desired menu.
 - c. Use the UP or DOWN arrow keys to get to the parameter to be changed.
 - d. Press the EDIT key.
 - e. Press the UP or DOWN arrow keys to change the parameter to a new value.
 - f. Press EDIT to store the new value.
 - g. Press the MENU key to get to a new menu.
 - h. Press the PROG key to exit the programming mode.
6. The standard default parameter settings should be sufficient for most applications. The parameters that are most often changed are in the first parameter menu, MAIN MENU (Menu 0) and parameter Pr300, full load motor nameplate current. The drive performance parameters are Pr311, Slip Factor and Pr312, Boost Factor.
7. Use the RUN FWD key to start the motor and increase the setpoint with the UP arrow keys. When the motor starts to rotate, note the direction of rotation. If the motor is turning in the wrong direction, **STOP THE DRIVE, REMOVE AC POWER AND WAIT FOR THE BUS CHARGE INDICATOR TO GO OUT.** After the Charge indicator is extinguished, wait two minutes and reverse any two of the motor leads (T1, T2, T3).
8. Reapply AC input power and confirm motor rotation. Use the UP and DOWN arrow keys to set speed.
9. The inverter is preset to run a “typical” NEMA B induction motor to a maximum speed of 1800 RPM with both acceleration and deceleration times set to 3.0 seconds
10. Press the STATUS key to view the motor amps, motor frequency, buss voltage, etc..

