

BASIC FUNCTIONS

This guide will familiarize the user with the basic functions of the CV100 Variable Frequency Drive (VFD) and assist with start up. The guide will cover the following:

Restoring Parameters to Default
Set Speed in Digital Mode
Control Direction and Run/Stop

Connect 3 Phase AC Motor Wires to CV100-2S Motor Terminals

U (T1)
V (T2)
W (T3)

Connect Single Phase 220 VAC Power to CV100-2S Power Terminals

L (L1)
N (L2)
≡

Power on VFD

Upon initial start-up, the frequency on display should be flashing

1. Restore VFD to Factory Default. Go to B4.03

B4.03

Note: This function is used to return ALL the parameter values back to default

1. Press MENU
2. Press SHIFT, press ^ 1 time. (B) should be displayed
3. Press SHIFT, press ^ 4 times, (4) should be displayed
4. Press SHIFT twice, Press ^ 3 time, (3) should be displayed
5. Press ENTER
6. Press ^ 2 times, (2) should be displayed, press ENTER
2= Factory Default
7. A0.01 Should be displayed

A0.01

2. Set Pot to 100% (60Hz)

1. Press MENU
2. Frequency on display should be flashing
3. Turn frequency knob to Clockwise
4. Frequency 50.0 should be displayed

3. Change frequency selector to Digital Mode. Go to A0.02

A0.02

1. Press MENU
2. Press ^ 1 time. A0.02 should be displayed, then press ENTER
3. Press 3 times. 0 Should be displayed, press ENTER

0=Digital Setting

3=Potentiometer (factory setting)

4. You should be in digital mode. A0.03 should be displayed

4. Set Frequency in Digital Mode. Go to A0.03

A0.03

Example: Change the value in A0.03 from 50.00 to 30.00

1. Press MENU
2. Press and hold to change the 50.00 to 30.00
3. Press ENTER
4. Press MENU to return digital mode parameter setting A0.03

5. Set running direction A0.05

1. Press ^ twice
2. A0.05 should be displayed
3. Press ENTER
4. Press ^ or v to change value to 0 or 1

A0.05

0 ; Forward 1 ; Reverse

Run Motor

Press RUN

Stop Motor

Press STOP/RST