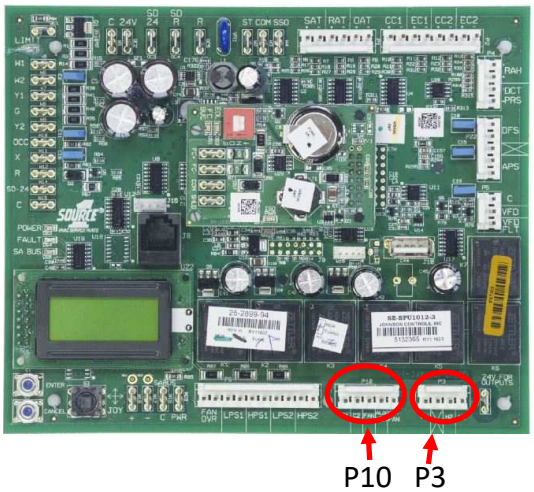
Delta VFD Programming

Normal display (home screen) on the Delta VFD can be rotated between the displays listed below, by using the **MODE** button.

F60.00	Frequency Command
H 0.00	Hertz output to the motor
U220.3	**DC Voltage output to motor**
A 0.00	Output current
Frd	Rotation command
PLC0	PLC setting (always 0)

Before changing any parameters on the VFD, you must first turn the power off to the unit. Then un-plug the P10 and P3 plug from the unit control board.



After unplugging both plugs, turn the power back on, and proceed to the VFD

Enter Password to Unlock the VFD

Pressing the **ENTER** button will bring up the group number of the display. 00.

Pressing the **ENTER** button a second time will bring up the parameter number of the display. 00.00

Raise the parameter number with the **up** ▲ arrow until you see **00.07** 00.07

Press **ENTER** and ***0*** will be displayed. 0

Use the **up** ▲ button and raise to ***1234.*** *The longer you hold the button the faster the display will advance*. If you pass the number, you can use the **down** ▼ button to lower the number until ***1234*** is displayed on the screen. 1234

Press **ENTER** to accept the password. Display will show **END** then revert to **00.07**

Password is now entered and all parameters will be visible and can be changed. *Pressing **Mode** will take you back a step without saving anything.* Press the **Up** ▲ button to get to the first parameter that will be changed which is **01.07.**

Example for changing a parameter setting

Use the **UP** ▲ button to display the parameter you need. (example **01.07)** 01.07

Press **ENTER** to display the value of the point. (factory setting is ***25.00***). 25.00

Use the **DOWN** ▼ button and lower to ***0.50***. 0.50

Press **ENTER** to save the new setting. You will briefly see **End** on the display followed by the display reverting back to **01.07**. End → 01.07

Pressing the **UP** ▲ arrow will take you to the next parameter to be changed which is **01.11**. 01.11

Use the **UP** ▲ and **DOWN** ▼ arrows to navigate between parameters.

Parameters that should be changed are listed on the next page

Delta VFD Programming

- **00.17** The factory default is 8. Change to 4 to prevent OL3 faults.
- **01.07** The factory default is ***25.00.*** Lower this setting to ***0.50***. This setting along with **01.11** will prevent jerk starting of the motor.
- **01.11** The default is ***0.00.*** Raise to ***25.00*** to allow soft start ramping of the motor instead of jerk starting.
- **02.35** The factory default is ***0***. Change to ***1*** to allow the drive to restart after a power loss, if the enable fan command still exists with VFD relay contacts still closed.
- **04.00** The factory default is ***0.00***. This will need to be set to ***60.00*** *Only change on split systems with electric heat that have a wire connected to VFD terminal MI3. No need to change on packaged units.*
- **05.01** The factory setting will be the FLA rating of the motor. Multiply this value by **1.15** to find the new setting for this **05.01** parameter. This adds the 15% Service Factor to the FLA.

Example**: Parameter **05.01** is **8.2; (8.2 x 1.15 = 9.43)

*In this example, change **8.20** to **9.43***

(Be sure to use the actual value of 05.01 for that specific VFD size, when multiplying by 1.15 to get the correct value for 05.01)

- **06.06** The factory default is ***2***, which allows the VFD to lockout in the event the motor exhibits over amping. Change to a ***1*** to limit the VFD output frequency to the motor to prevent
- **06.49** The factory default is ***0***. Change to ***1,*** which will allow the VFD to restart after a shutdown due to a low voltage fault. Once the voltage returns within the normal range, the VFD will auto restart. (**LvA, LvD, LvS, LvN** are the faults that will auto reset)
- **07.06** Default is ***0***. Change to ***1***. This allows the VFD to restart after a momentary power loss.
- **07.07** Default is *2.00* . Change to *10.00.* This determines the maximum time of allowable power loss. This eliminates LVN faults after power loss and comes back on before VFD capacitor drains.
- **07.08** (***VFD version 2.02 and greater***) Default is *0.05.* Change to *1.* During a momentary loss of power the output is blocked and the VFD waits this time before resuming operation.
- **07.10** Verify this is set to 1 to restart after fault.
- **07.28** ***(VFD version 2.00 and greater)*** Default is 0. Change to 12000. This will auto reset the OVS fault.
- **07.33** ***(VFD version 2.02 and greater)*** Default is *60.00*. Change to *5.* VFD counts the number of faults during this period and if the number of faults does not exceed 07.11 (10) the counting clears and starts from 0 when the next fault occurs.
- **Parameter changes are complete!**

Power to the unit must be cycled off and the P10 and P3 plugs must be plugged back in. Wait for the VFD screen to go blank and then turn the power back on.

Should you have any questions call our National Accounts Tech Support line at 800.481.9738 x 4

Reference Table for the 7-segment LED Display of the Digital Keypad

Number	0	1	2	3	4	5	6	7	8	9
Display	0	1	2	3	4	5	6	7	8	9
Number	A	a	B	b	C	c	D	d	E	e
Display	A	-	-	b	C	c	-	d	E	-
Number	F	f	G	g	H	h	I	i	J	j
Display	F	-	G	-	H	h	-	i	J	j
Number	K	k	L	l	M	m	N	n	O	o
Display	K	-	L	-	-	-	-	n	-	o
Number	P	p	Q	q	R	r	S	s	T	t
Display	P	-	-	q	-	r	S	-	-	t
Number	U	u	V	v	W	w	X	x	Y	y
Display	U	u	-	v	-	-	-	-	Y	-
Number	Z	z								
Display	Z	-								