

Setting inverter Delta V2 for dual speed motor

Overview:

This Technical Bulletin describes how to set the parameters for Delta VFD-V2series inverter.

To program the Delta Inverter programming parameters:

Each Delta inverter parameter has 2 set of numbers.?Example: 01-02.?We will call 01 “Group Parameter”and 02 “Parameter Number.”

- 1.Press "PROG"
- 2.Press the up or down arrow key to select the group parameter.
- 3.Press "PROG"
- 4.Press the up or down arrow key to select the parameter number.
- 5.Press "PROG" At this time parameter value should be blinking. Use arrow key to change the value.
- 6.Press "PROG" again to save parameter values or "MODE" to discard.

Continue until all the parameters have been set.

00-06 software version 9.91

00-00 identity code 12 (7.5 hp)
14 (10 hp)
16 (15 hp)
18 (20 hp)
20 (25 hp)

To change parameter 00-00 for match with spindle motor's horse power. Set 00-02 is 2 then set 5577, come back parameter 00-00 set code 12,14 ...depend on horse power.

Reset inverter for 60 Hz: Parameter 00-02 set 10.

00-02 set 2 :enable group 11 parameter setting .But have to take out keypad and then put it back.

01-00 set maxima Hz, 200 Hz for 6000Rpm
266.66 Hz –8000Rpm.

EMV-APP01 Extension I/O selects High location.

09-01 set 115.2 Com1 transmission speed.

If it has experience noise issue. please change 09-01 to 9.6 and I/O select Low location

09-04 set 12 Com1 communication protocol.

Look EMV-APP01 the light at error no flash is normal.



02-01 set 30: signal confirmation for D connection
02-02 set 29: signal confirmation for Y connection
02-35 set 31: Y connection
02-36 set 32 : D connection

01-01 set 30 :Y motor
01-02 set 220 : Y motor
01-35 set 90 : D motor
01-36 set 220 : D motor

Setting Y motor

05-01 set Amp depend on motor
05-02 set kW depend on motor
05-03 set 810 Rpm
05-04 set 4 pole

Setting D motor

05-13 Set Amp depend on motor.
05-14 set kW depend on motor.
05-15 set 2400 Rpm.
05-16 set 4 poles.

Auto turn Y motor

05-12 set 1 enable
05-10 set 1 for Y motor.
05-00 set 1

Press “ PU “ key on the keypad. The PU led should be on. Then press RUN on the digital keypad for Auto turn.

Auto turn D motor

05-10 set 2 for D motor.
05-00 set 1

Press “ PU “ key on the keypad. The PU led should be on. Then press RUN on the digital keypad for Auto turn.

11-00 set 2
05-10 set 1
01-12 set 0.2
01-13 set 0.2
00-10 set 3
10-00 set 1024
10-01 set 2 or 1

Press MODE, you will see 60 Hz , use arrow key to change to 40 Hz, select PU key .The PU led should be on and then press RUN.

Come back parameter 11-01 press Prog/Data, you see the number. Press FWD key, and then Press REV, you will see spindle run CW and CCW, the number on digital keypad should be change. Keep going on , until the number does not change. That number that we put it in parameter 11-01 and press Progam/Data. Press PU key, the PU led should be off.

11-00 set 1
05-11 set 70 Hz : Frequency for Y connection / D connection switch.
05-30 set 0.4

00-04 set 9 display PG position
00-20 set 2
00-21 set 1
01-12 set 3
01-13 set 4

02-04 set 35
02-05 set 5
02-11 set 11
02-12 set 39
02-13 set 2
02-14 set 34

10-19 set number xxx Orientation position.
10-20set 100
10-22 set 0.1 gain of zero speed
10-24 set 4 decelerates time of position.
03-18 set 3 spindle’s meter