

Codes must be entered in-order as follows on this page only.

110v VFD Default Programming

VFD Pre-Programming Codes:

Function	Value	Description
P5.0.19	107	<i>Reset Programming to Factory Defaults</i>
P0.0.03	0	On/Off Automatic Source
P0.0.04	2	Frequency Automatic Source
P0.0.07	0400.0	Max Motor Frequency, HZ
P0.0.08	0400.0	Upper Motor Frequency, HZ
P0.0.11	0006.0	Acceleration Time
P0.0.12	0006.0	Deceleration Time
P0.0.14	0001.5	Motor Rated Power, kw
P0.0.15	0400.0	Motor Rated Frequency, HZ
P0.0.17	012.00	Motor Rated Current, Amps
P0.0.18	24000	Motor Rated Rotating Speed, rpm
P1.0.23	2	Temp Based Fan Control
P2.0.13	0.1	Minimum Voltage Input
P5.0.02	H.0801	LED Running Display
P5.0.15	6.0000	Display Coefficient
P5.0.16	0	Adjust RPM's Decimal Place

220v VFD Default Programming

VFD Pre-Programming Codes:

Function	Value	Description
P5.0.19	107	<i>Reset Programming to Factory Defaults</i>
P0.0.03	0	On/Off Automatic Source
P0.0.04	2	Frequency Automatic Source
P0.0.07	0400.0	Max Motor Frequency, HZ
P0.0.08	0400.0	Upper Motor Frequency, HZ
P0.0.11	0006.0	Acceleration Time
P0.0.12	0006.0	Deceleration Time
P0.0.14	0002.2	Motor Rated Power, kw
P0.0.15	0400.0	Motor Rated Frequency, HZ
P0.0.17	010.00	Motor Rated Current, Amps
P0.0.18	24000	Motor Rated Rotating Speed, rpm
P1.0.23	2	Temp Based Fan Control
P2.0.13	0.1	Minimum Voltage Input
P5.0.02	H.0801	LED Running Display
P5.0.15	6.0000	Display Coefficient
P5.0.16	0	Adjust RPM's Decimal Place

Supplemental VFD Programming – This programming can be used to modify our default programming to work in automatic mode for the customer’s specific CNC controller:

Control Cable w/PWM – IE: Masso

Function	Value	Description
P0.0.03	1	On/Off Automatic Source
P0.0.04	3	Frequency Automatic Source

Control Cable w/Modbus – IE: Oneworld BlackBox or BuildBotics

Function	Value	Description
P0.0.03	2	On/Off Automatic Source
P0.0.04	9	Frequency Automatic Source

Sienci Labs – LongMill - LongBoard

Function	Value	Description
P0.0.04	3	Frequency Automatic Source
P2.0.02	9	Enable Keypad On/Off Source
P2.0.15	5	Maximum Voltage Input

Sienci Labs – LongMill - SuperLongBoard

Function	Value	Description
P0.0.03	2	On/Off Automatic Source
P0.0.04	9	Frequency Automatic Source
P4.1.00	04	Modbus Baud Rate
P4.1.01	3	Modbus Data Format

Control Cable w/Generic Ferrules – IE: Any Random CNC Machine

Function	Value	Description
P2.0.02	9	Enable Keypad On/Off Source

Control Cable w/Molex Connector – IE: Shapeoko’s

Function	Value	Description
P2.0.02	9	Enable Keypad On/Off Source
P2.0.15	5	Maximum Voltage Input

800Hz 4-pole Motor – IE: Metal Working Spindle & ATC’s

Function	Value	Description
P0.0.07	0800.0	Max Motor Frequency, HZ
P0.0.08	0800.0	Upper Motor Frequency, HZ
P0.0.15	0800.0	Motor Rated Frequency, HZ
P5.0.15	3.0000	Display Coefficient

1.5kw 220v Special Order Motors

Function	Value	Description
P0.0.14	001.5	Motor Rated Power, kw
P0.0.17	006.0	Motor Rated Current, Amps