

## TB039 (Rev1) - Setup Parameters on Safetronics Inverter

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### Objective

The purpose of this document is to provide the information needed to correctly setup the Safetronics inverter for a Centroid CNC control.

### Safetronics PC3 Inverter Settings

Parameter No.	Value	Units	Description
00 (Lock)	1	-	Lock/Unlock Parameters
(Unlock) Use only to reset	2 8		Resets unit to factory defaults
1	(0000)		Decelerate to Stop
2	Must be set with tach to match max spindle speed	Hz	Maximum Output Frequency
3	215 / 380 *	VAC	Maximum Voltage
9	3	sec	Acceleration Time
10	1.0 to 3.0	sec	Deceleration Time
Use one of these value depending upon resistor value	1 2 3	sec sec sec	30 ohm 200watt resistor 45 ohm 200 watt resistor If you get inverter faults
19	8.5 max 14.1 max	A A	Motor Current for 3HP Motor Motor Current for 5HP motor
26	100	% rated current of inverter	DC Injection Braking Current
27	0.1	sec	DC Injection Braking Time at Stop
28	0	sec	DC Injection Braking Time at Start

\* Installer must determine. **Safetronics** 1-800-533-0031, **Yaskawa** 1-847-291-6219

### Using the front panel keys to edit parameters

- Start by pressing the PROGRAM/DRIVE button (Drive LED will go out)
- Use the [^] and [v] arrows to set parameter number
- Press [ENTER] to enter into edit mode
- The values will flash. Use > to change a digit
- Use the [^] and [v] arrows to increase and decrease values
- Press [DSPL] to escape
- **Tips - Do not** press the LOCAL/REMOTE key, the LED FWD should be off, SEQ REF on
- Yaskawa 616PC5 and 616G5 models use similar settings

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### Document History

