TB203 (Rev2) - Setup Parameters for Automation Direct GS3 Inverter

Purpose

The purpose of this document is to provide the information needed to correctly setup the Automation Direct Dura Pulse GS3 inverter for a Centroid control.

Parameter Table for Dura Pulse GS3 Inverter

Parameter No.	Value	Units	Description
0.00	Depends on motor	Volts	Motor Nameplate Voltage
0.01	Depends on motor	Amps	Motor Nameplate Amps
0.03	Depends on motor	RPM	Motor Nameplate RPM
0.04	Must be set with tachometer to match max spindle speed	RPM	Motor Maximum RPM
0.05	01 = Motor auto detect		Measures motor resistance for Parameter 0.06
1.00	00 = Ramp to a stop		Stopping method
1.01	3 (range = 0.1 to 600 sec)	sec	Acceleration Time
1.02	3 (range = 0.1 to 600 sec)	sec	Deceleration Time
3.00	01 = External control terminals		Control method
3.08	02 = External Reset		DI9 Multi function input
3.11	01 = Drive Fault		Relay Output
4.00	02 = Frequency determined by 0-10vdc on AI1		Source of Frequency Command
4.13	01 = Allows you to change P4.00		
6.04	01 = AVR Disabled		Auto Voltage Regulation
6.05	01 = OVSP Disabled		Over-Voltage Stall Protection
8.00	01 = Motor RPM		Drive display
9.08			Set to 99 to restore parameters to factory default
All other parameters are set to factory default			

Wiring connections

L1, L2, L3 - 3 phase power in
DI1 - Forward run
DI2 - Reverse run
DI9 - Fault reset
DCM - Input common
AI1 - Master speed frequency reference (0-10vdc)
ACM - Frequency reference common
R1C - Fault output (normally closed)
R1 - Fault output common.
DO2 - Digital output (At speed)
DO3 - Digital output (Zero speed)
DOC - Digital output common
T1, T2, T3 - Motor voltage out
B1, B2 - Braking resistor (up to 15hp)

Document History

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