

TB209 (Rev1) - Setup Parameters for Automation Direct GS2 Inverter

Objective:

The purpose of this document is to provide the information needed to correctly setup the Automation Direct GS2 inverter for a Centroid CNC control.

Automation Direct GS2 Inverter Settings

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 (Base RPM)	RPM	Motor Nameplate RPM
0.04	Must be set with tachometer to match max spindle speed	RPM	Motor Maximum RPM
1.00	00 = Ramp to a stop		Stopping Method
1.01	3 (range = 0.1 to 600 seconds)	sec.	Acceleration Time
1.02	3 (range = 0.1 to 600 seconds)	sec.	Deceleration Time
3.00	01 = External Control Terminals		Control Method
3.03	02 = External Reset		DI4 Multi-Function Input
4.00	02 = Frequency determined by 0-10VDC on AI I		Source of Frequency Command
8.00	1 = Motor Speed (RPM)		Drive Display
9.08			Set to 99 to restore parameters to factory default
All other parameters are set to factory defaults			

Wiring connections

L1, L2, L3 - 3 phase power in

DI1 - Forward run

DI2 - Reverse run

DI4 - Fault reset

DCM - Input common

AI - Master speed frequency reference (0-10vdc)

ACM - Frequency reference common

R2O - Fault output (normally open)

R2 - Fault output common.

T1, T2, T3 - Motor voltage out

B1, B2 - Braking resistor (up to 15hp)

Document History

Rev1 Created on **2007-06-04** by **#240**