

**General Parameters**

P.000	Control Source	_____
P.001	Accel Time 1 (Ramp 1)	_____
P.002	Decel Time 1 (Ramp 1)	_____
P.003	Minimum Speed	_____
P.004	Maximum Speed	_____
P.005	Current Limit	_____
P.006	Second Menu Password	_____
P.007	TS Digital Inputs Config	_____
P.008	TS Speed Ref Source	_____
P.009	TS Analog Input Offset	_____
P.010	TS Analog Input Gain	_____
P.011	TS Analog Input Config	_____
P.012	TS Analog Output Source	_____
P.013	Output Relay Config	_____
P.014	Trim Ref Source	_____
P.015	Trim Gain Percentage	_____
P.016	Draw Gain Percentage	_____
P.017	Accel Time 2 (Ramp 2)	_____
P.018	Decel Time 2 (Ramp 2)	_____
P.019	S-Curve Enable	_____
P.020	Jog Speed Ref	_____
P.021	Jog Ramp Accel Time	_____
P.022	Jog Ramp Decel Time	_____
P.023	MOP Acc/Dec Time	_____
P.024	MOP Reset Configuration	_____
P.025	Stop Type	_____
P.026	Function Loss Response	_____
P.027	Fwd/Rev Configuration	_____
P.028	Speed Display Scaling	_____
P.029	Elapsed Time Meter	_____
P.030	Elapsed Time Meter Reset	_____
P.031	Preset Speed 1	_____
P.032	Preset Speed 2	_____
P.033	Preset Speed 3	_____
P.034	Preset Speed 4	_____
P.035	Preset Speed 5	_____
P.036	Preset Speed 6	_____
P.037	Preset Speed 7	_____
P.038	Preset Speed 8	_____
P.039	Encoder Loss Enable	_____
P.040	Motor Overload Enable	_____
P.041	Motor Overload Type	_____
P.042	Line Dip Ride-Through Time	_____
P.043	Fault Auto Reset Attempts	_____
P.044	Fault Auto Reset Time	_____
P.045	Output Phase Loss Enable	_____
P.047	Carrier Frequency	_____
P.048	Volts/Hertz or Vector Regulation	_____
P.049	Country Defaults	_____

**General Parameters (Continued)**

P.050	Restore Defaults	_____
P.051	Programming Disable	_____
P.052	AUTO/MAN Key Disable	_____
P.053	Manual Ref Preset Enable	_____
P.054	Level Sense Start Enable	_____
P.055	STOP/RESET Key Disable	_____
P.060	Network Drop Number	_____
P.061	Network Connection Type	_____
P.062	Comm Loss Response	_____
P.063	Network Ref Source	_____
P.064	Network Trim Ref Source	_____
P.065	Option Port: Type and Version	_____
P.066	Network Output Reg 1 Source	_____
P.067	Network Output Reg 2 Source	_____
P.068	Network Output Reg 3 Source	_____
P.069	Network Output Reg 4 Source	_____
P.090	Diagnostics Source	_____
P.091	Diagnostics Display	_____
P.095	Power Module Output Amps	_____
P.098	Software Version Number	_____
P.099	Power Module Type	_____

**Volts/Hertz Parameters**

H.000	Motor Nameplate Volts	_____
H.001	Motor Nameplate Base Freq	_____
H.002	Motor Nameplate Amps	_____
H.003	Torque Boost Voltage	_____
H.004	Slip Compensation	_____
H.005	DC Braking Enable	_____
H.006	DC Braking Start Freq	_____
H.007	DC Braking Current	_____
H.008	DC Braking Time	_____
H.009	Avoidance Freq Enable	_____
H.010	Avoidance Freq Midpoint 1	_____
H.011	Avoidance Freq Band 1	_____
H.012	Avoidance Freq Midpoint 2	_____
H.013	Avoidance Freq Band 2	_____
H.014	Avoidance Freq Midpoint 3	_____
H.015	Avoidance Freq Band 3	_____
H.016	Sync Direction	_____
H.017	Input Power/Snubber Config	_____
H.018	V/Hz Curve Type	_____
H.019	Identification Result	_____
H.020	Identification Request	_____
H.021	AC Line Volts	_____
H.022	Overfrequency Limit	_____

**Vector Parameters**

U.000	Torque Ref Source	_____
U.001	Encoder PPR	_____
U.002	Motor Poles	_____
U.003	Motor Nameplate Base Freq	_____
U.004	Motor Nameplate Amps	_____
U.005	Motor Nameplate RPM	_____
U.006	Magnetizing Current	_____
U.007	Motor Nameplate Volts	_____
U.008	Torque Self-Tune Enable	_____
U.009	Torque Self-Tune Result	_____
U.012	Speed Reg Prop Gain	_____
U.013	Speed Reg Integral Gain	_____
U.014	Torque Reg Prop Gain	_____
U.015	Torque Reg Integral Gain	_____
U.016	Field Weakening Start RPM	_____
U.017	Motor Top Speed	_____
U.018	AC Line Volts	_____
U.019	Flux Curr Reg Prop Gain	_____
U.020	Flux Curr Reg Int Gain	_____
U.021	Rotor Time Const	_____
U.022	Motor Nameplate Horsepower	_____
U.023	Low DC Bus Fault Avoidance	_____
U.024	High DC Bus Fault Avoidance	_____
U.025	Zero Speed Hold Time	_____
U.026	Current Compounding Gain	_____
U.027	Inertia Compensation Gain	_____
U.028	Losses Compensation Gain	_____
U.030	SVC Slip Adjust	_____
U.031	SVC Sync Direction	_____
U.032	SVC Flux Curr Reg Gain	_____
U.040	OCL Feedback Source	_____
U.041	OCL Lead/Lag Select	_____
U.042	OCL Lead/Lag Low Freq	_____
U.043	OCL Lead/Lag Ratio	_____
U.044	OCL Ref Gain	_____
U.045	OCL Proportional Gain	_____
U.046	OCL Integral Gain	_____
U.047	OCL Trim Range Percentage	_____
U.048	OCL Prop Trim Enable	_____

**RMI Parameters**

r.001	Analog Output 1 Source	_____
r.002	Analog Output 1 Offset	_____
r.003	Analog Output 1 Gain	_____
r.004	Analog Output 2 Source	_____
r.005	Analog Output 2 Offset	_____
r.006	Analog Output 2 Gain	_____
r.007	Analog Output 3 Source	_____
r.008	Analog Output 3 Offset	_____
r.009	Analog Output 3 Gain	_____
r.010	Analog Input Offset	_____
r.011	Analog Input Gain	_____
r.014	Freq Input Sample Period	_____
r.015	Frequency Input Offset	_____
r.016	Frequency Input Gain	_____
r.020	PI Regulator Offset	_____
r.021	PI Regulator Prop Gain	_____
r.022	PI Regulator Integral Gain	_____
r.025	Torque/Current Limit Source	_____
r.030	Digital Input Config	_____
r.031	Digital Output 1 Config	_____
r.032	Digital Output 2 Config	_____
r.033	Digital Output 3 Config	_____
r.034	Digital Output 4 Config	_____
r.035	Relay Output 1 Config	_____
r.036	Relay Output 2 Config	_____
r.037	Relay Output 3 Config	_____
r.040	Digital Output 1 Delay Time	_____
r.041	Digital Output 2 Delay Time	_____
r.042	Digital Output 3 Delay Time	_____
r.043	Digital Output 4 Delay Time	_____
r.044	Relay Output 1 Delay Time	_____
r.045	Relay Output 2 Delay Time	_____
r.046	Relay Output 3 Delay Time	_____
r.050	Speed Detection Level 1	_____
r.051	Speed Detection Level 2	_____
r.052	Speed Detection Level 3	_____
r.053	Speed Detect Hysteresis	_____
r.056	Low Speed Detection Level	_____
r.057	Current Detection Level 1	_____
r.058	Current Detection Level 2	_____
r.059	Current Detection Level 3	_____
r.060	Current Detection Hysteresis	_____
r.063	Torque Detection Level 1	_____
r.064	Torque Detection Level 2	_____
r.065	Torque Detection Level 3	_____
r.066	Torque Detection Hysteresis	_____

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## Alarm Codes

Aln	Analog Input Signal Loss
Hldc	High DC Bus Warning
I-Ac	V/Hz Identification Active
I-En	V/Hz Identification Enabled
LIL	Low Input Line
S-Ac	Vector Self-Tuning Active
S-En	Vector Self-Tuning Enabled

## Fault Codes

Aln	Analog Input Signal Loss
bYC	DC Bus Charging Bypass Not Closed
CHS	Checksum Error
EC	Earth Current Failure (Ground Fault)
EER	Non-volatile Memory Failure
EL	Encoder Loss
FL	Function Loss
Hld	V/Hz Identification Aborted
HIL	High Input Line
HU	High DC Bus Fault
IPL	Input Phase Loss
LU	Low DC Bus Fault
nCL	Network Comm Loss
nId	V/Hz Identification Not Performed
OC	Overcurrent
OCA	Overcurrent at Acceleration
OCb	Overcurrent at DC Braking
OCd	Overcurrent at Deceleration
OF	Overfrequency
OH	Drive Overtemperature
OL	Motor Overload
OPL	Motor Output Phase Loss
OSP	Overspeed (Vector Only)
PUc	Missing Power Module ID Connector
PUn	Power Module Not Identified
PUo	Power Module Overload
SF	Vector Self-Tuning Aborted
Srl	Serial Comm Lost
UAr	PC Comm Spurious Interrupt
UbS	Asymmetrical Bus Charge

## Regulator Board Terminal Strip

1. RS-232 Transmit\*
2. RS-232 Receive\*
3. RS-232 Common\*
4. Encoder +15 Volts
5. Encoder Phase A
6. Encoder Phase A Not
7. Encoder Phase B
8. Encoder Phase B Not
9. Encoder Common
10. Analog Meter Output
11. Analog Meter Common
12. Isolated Reference Voltage
13. Vdc Analog Speed Reference
14. mA Analog Speed Reference
15. Isolated Reference Ground
16. Digital Input +24 Volts
17. Digital Input 8 (Rem/Loc)
18. Digital Input 7 (Ramp1/Ramp2)
19. Digital Input 6 (Fwd/Rev)
20. Function Loss
21. Run/Jog
22. Reset
23. Stop
24. Start
25. +24 Vdc Common
26. Snubber Resistor Braking Output\*
27. +24 Vdc Common\*
28. N.C. Relay Contact\*\*
29. N.C. Relay Common\*\*
30. N.O. Relay Contact\*\*
31. N.O. Relay Common\*\*

\*Not available on Bookshelf drives.

\*\*Located on remote terminal strip on Bookshelf drives.

Refer to the following software (S/W) and hardware (H/W) manuals for detailed information about the GV3000/SE AC drive.

GV3000/SE Drive	S/W I/M	H/W I/M
1 to 400 HP @ 460 VAC	D2-3359	D2-3360
75 to 200 HP @ 460 VAC	D2-3391	D2-3392
1 to 20 HP @ 230 VAC	D2-3387	D2-3388
30 to 100 HP @ 230 VAC	D2-3416	D2-3417
2 to 30 A Bookshelf	D2-3426	D2-3427

## RMI Terminal Strip

41. Digital Input 1
42. Digital Input 2
43. Digital Input 3
44. Digital Input 4
45. Digital Input +24 Vdc
46. Digital Output External +24 Vdc
47. Digital Output 1
48. Digital Output 2
49. Digital Output 3
50. Digital Output 4
51. Digital Output Common
53. Relay 1 N.O.
54. Relay 2 N.C.
55. Relay 2 Common
56. Relay 2 N.O.
57. Not Used
58. Relay 3 N.C.
59. Relay 3 Common
60. Relay 3 N.O.
61. Not Used
62. Analog Input 0 – 10 Vdc
63. Analog Input 0 – 20 mA
64. Analog Input Common
65. Analog Output 1: 0 to 10 Vdc
66. Analog Output 2: +/- 10 Vdc
67. Analog Output 3: 0 to 10 Vdc; 0 to 20 mA
68. Analog Output Common
69. Frequency Input: 0 to 200 kHz

Refer to the following manual for detailed information about the Super Remote Meter Interface (RMI) board:

- D2-3341 Super Remote Meter Interface (RMI) Board for use with GV3000/SE and VTAC 7 Drives



**ATTENTION:** This material is not intended to provide operational instructions. Qualified electrical personnel must read and understand the applicable instruction manuals in their entirety prior to installing, adjusting, operating, and servicing this equipment. Failure to observe this precaution could result in severe bodily injury or loss of life.