

GS1 Quick Reference (cont.)		
GS1 Parameter	Description	Range
6-31	Present Fault Record	0: No Fault occurred 1: Over-current (oc) 2: Over-voltage (ov) 3: Overheat (oh) 4: Overload (ol) 5: Overload 1 (ol1) 6: Overload 2 (ol2)
6-32	Second Most Recent Fault Record	7: External Fault (EF) 8: CPU failure 1 (CF1) 9: CPU failure 2 (CF2) 10: CPU failure 3 (CF3)
6-33	Third Most Recent Fault Record	11: Hardware Protection Failure (HPF) 12: Over-current during accel (OCA) 13: Over-current during decel (OCD) 14: Over-current during steady state (OCN) 18: External Base-Block (bb) 19: Auto Adjust accel/decel failure (cFA) 20: Software protection code (codE)
6-34	Fourth Most Recent Fault Record	
6-35	Fifth Most Recent Fault Record	
6-36	Sixth Most Recent Fault Record	

## Technical Support

By Telephone: 770-844-4200

(Mon.-Fri., 9:00 a.m.-6:00 p.m. E.T.)

On the Web: [www.automationdirect.com](http://www.automationdirect.com)



Our technical support group is glad to work with you in answering your questions. If you cannot find the solution to your particular application, or, if for any reason you need additional technical assistance, please call technical support at 770-844-4200. We are available weekdays from 9:00 a.m. to 6:00 p.m. Eastern Time.

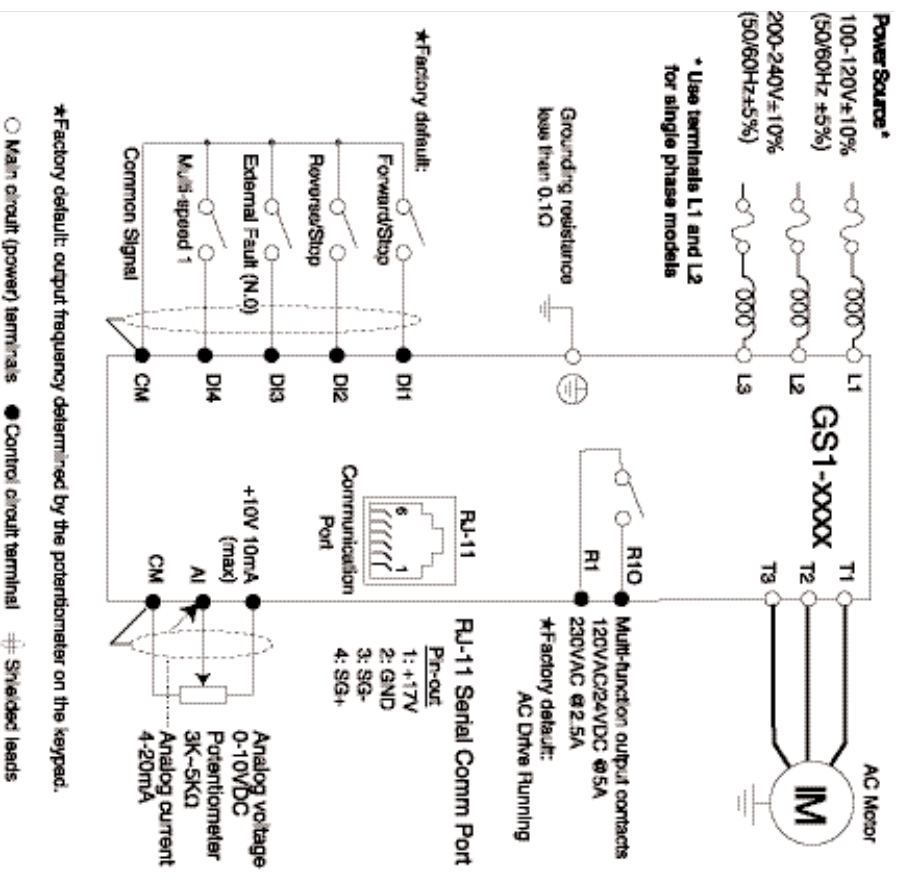
We also encourage you to visit our web site where you can find technical and non-technical information about our products and our company. Visit us at [www.automationdirect.com](http://www.automationdirect.com).



GS1 SERIES AC DRIVE  
QUICK REFERENCE



## BASIC WIRING DIAGRAM



WARNING: Do not plug a modem or telephone into the GS1 Comm Port, or permanent damage may result. Terminals 1 and 2 must not be used as a power source for your communication connection.

## G51 Abbreviated Parameter List

This abbreviated parameter list contains only the most commonly used parameters. For the complete G51 Series parameter listing, see the G51 Series AC Drive User Manual.

G51 Quick Reference		
Parameter	Description	Range
<b>0-00</b>	Motor Nameplate Voltage	200/208/220/230/240
<b>0-01</b>	Motor Nameplate Amps	Drive Rated Amps X .3 to 1.0
<b>0-02</b>	Motor Base Frequency	50/60/400
<b>0-03</b>	Motor Base RPM	375 to 9999 RPM
<b>0-04</b>	Motor Maximum RPM	0-03 to 9999 RPM
<b>1-00</b>	Stop Methods	0: Ramp to Stop 1: Coast to Stop
<b>1-01</b>	Acceleration Time 1	0.1 to 600 sec
<b>1-02</b>	Deceleration Time 1	0.1 to 600 sec
<b>2-00</b>	Volts/Hz Settings	0: General Purpose 1: High Starting Torque 2: Fans and Pumps 3: Custom
<b>2-03</b>	Manual Torque Boost	0 to 10%
<b>3-00</b>	Source of Operation Command	0: Operation determined by digital keypad 1: Operation determined by external control terminals, keypad STOP is enabled 2: Operation determined by external control terminals, keypad STOP is disabled 3: Operation determined by RS-485 interface, keypad STOP is enabled 4: Operation determined by RS-485 interface, keypad STOP is disabled
<b>3-01</b>	Multi-function Input Terminals (DI1 - DI2)	0: DI1 - FWD / STOP, DI2 - REV / STOP 1: DI1 - RUN / STOP, DI2 - REV / FWD 2: DI1 - RUN momentary (N.O.), DI2 - REV / FWD DI3 - STOP momentary (N.C.)
<b>3-02</b>	Multi-function Input (DI3)	0: External Fault (N.O.) 1: External Fault (N.C.) 2: External Reset 3: Multi-Speed Bit 1 4: Multi-Speed Bit 2 9: Jog 10: External Base Block (N.O.)
<b>3-03</b>	Multi-function Input (DI4)	11: External Base Block (N.C.) 12: Second Accel/Decel Time 13: Speed Hold 14: Increase Speed 15: Decrease Speed 16: Reset Speed to Zero 99: Input Disable
<b>3-11</b>	Multi-Function Output Terminal	0: AC Drive Running 1: AC Drive Fault 2: At Speed 3: Zero Speed 4: Above Desired Frequency 5: Below Desired Frequency 6: At Maximum Speed 7: Over torque detected 8: Above Desired Current 9: Below Desired Current

G51 Quick Reference (cont.)		
Parameter	Description	Range
<b>4-00</b>	Source of Frequency Command	0: Frequency determined by keypad potentiometer 1: Frequency determined by digital keypad up/down 2: Frequency determined by 0 to +10V input on AI terminal with switch 3: Frequency determined by 4 to 20mA input on AI terminal with switch 4: Frequency determined by 0 to 20mA input on AI terminal with switch 5: Frequency determined by RS-485 communication interface
<b>4-01</b>	Analog Input Offset Polarity	0: Offset disable 1: Positive Offset 2: Negative Offset
<b>4-02</b>	Analog Input Offset	0.0 to 100.0%
<b>4-03</b>	Analog Input Gain	0.0 to 300.0%
<b>8-00</b>	Multi-Function Output Terminal	0: Output Frequency (Hz) 1: Motor Speed (RPM) 2: Output Freq, X P 8.01 3: Output Current (A) 4: Motor Output Current (%) 5: Output Voltage (V) 6: DC Bus Voltage (V) 9: Frequency Setpoint
<b>8-01</b>	Frequency Scale Factor	0.1 to 160.0
<b>9-08</b>	Restore to Default	99: Restores ALL parameters to factory defaults