POWER ELECTRONICS®
NZ 0800 VSD HELP
(0800 873 4357)
AUS 1800 735 855

TYPICAL CONFIGURATIONS V5

3-Wire Start/Stop with Reset with Dual Parameter

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Date: **9/10/13**

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CODE	DESCRIPTION	DISPLAY	VALUE (DEFAULT)
		NAMEPLATE	
G2.1	Soft Starter Current	I Starter	(Rated nameplate current of soft starter)
G2.2	Motor Current	I Motor	(Auto dependant on V5 model) Adjust to motor nameplate FLC
G2.3	Motor Voltage	V Motor	(380V/440V)
G2.4	Motor Power	P Motor	(11) Adjust to motor nameplate Power
G2.5	Motor Cosinus Phi	Cos Phi M	(85%) Adjust to motor nameplate Power Factor
G2.6	Supply Frequency	Freq	(50Hz)
		PROTECTIONS	
G3.1	Phase Sequence	Phase Sequen	(L1, L2, L3 Seq)
G3.2	Overload Motor Current	Overload	(Auto dependant on V5 model) Adjust to motor nameplate FLC
G3.3	Overload Curve	O/load Curve	(5)
G3.4	Starting Overload Factor	Oload Factor	(100%)
G3.5	Motor PTC	Motor PTC	(No)
		ACCELERATION	
G4.1	Start Delay	Str Delay	(0)
G4.2	Torque Pulse	Puls Torq	(50%)
G4.3	Torque Pulse Time	Pulse Tq T	(Off)
G4.4	Initial Torque	Init Torque	(35%). Adjust to suit load requirements. Pumps and low inertia
			loads typically 40%~45%. Higher inertia loads may be between
			45% ~80%
G4.5	Initial Torque Time	Init Tq T	(1s)
G4.6	Acceleration Time	Acel Time	(6s) Adjust to suit application requirements
G4.7	Current Limit	I Limit	(3 * In of V5 model). Set to load requirements. Typically between
			300% and 450% of motor FLC
		DECELERATION	
G5.1	Freewheel Stop	Frewel Stp	(Yes). Set to No for ramped stop
G5.2	Deceleration time	Decl Time	(12). Set to load requirements.
		INPUTS	
G6.1	Control Mode	Oper Mode	(0). Set to 2 for control from digital inputs
G6.2	Local Reset	Local Reset	(Y)
G6.3	Digital Input 1	D Input1 Sel	(0). Set to 1 for start
G6.4	Digital Input 2	D Input2 Sel	(0). Set to 2 for stop
G6.5	Digital Input 3	D Input3 Sel	(0). Set to 5 for reset
G6.6	Digital Input 4	D Input4 Sel	(0). Set to 9 for Dual Setting

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DUAL SETTING			
G8.1	Dual Setting	Dual Seting	(No). Yes
G8.2	Dual Setting Torque Pulse	Pls Torq2	(50%). Adjust to suit second load profile or motor.
G8.3	Dual Setting Torque Pulse Time	Pls Tq T2	(Off). Adjust to suit second load profile or motor.
G8.4	Dual Setting Initial Torque	Init Trq2	(30%). Adjust to suit second load profile or motor.
G8.5	Dual Setting Initial Torque Time	Init Tq T2	(1s). Adjust to suit second load profile or motor.
G8.6	Dual Setting Acceleration Time	Acc Time2	(12s). Adjust to suit second load profile or motor.
G8.7	Dual Setting Current Limit	I Limit2	(3 * In of V5 model). Adjust to suit second load profile or motor.
G8.8	Dual Setting Freewheel Stop	Frewel Stp2	(N). Adjust to suit second load profile or motor.
G8.9	Dual Setting Deceleration Rate	Dec Time2	(12s). Adjust to suit second load profile or motor.
G8.10	Dual Setting Motor Deceleration Algo	Dec Md Sel2	(1). Adjust to suit second load profile or motor.
G8.11	Dual Setting Hammer Factor	Hamr Fac2	(75%). Adjust to suit second load profile or motor.
G8.12	Dual Setting Minimum Torque	Mini Trq2	(1%). Adjust to suit second load profile or motor.
G8.13	Dual Setting Phase Sequence	Phase Seq2	(2). Adjust to suit second load profile or motor.
G8.14	Dual Setting Overload Motor Current	Ov load2	(Auto dependant on V5 model). Adjust to suit second load profile.
G8.15	Dual Setting Overload Curve	Ov/Load T2	(5). Adjust to suit second load profile or motor.
G8.16	Dual Setting Starting Overload Fctr	Ovl Fac2	(100%). Adjust to suit second load profile or motor.
G8.17	Dual Setting Motor PTC	Mtr Ptc2	(N). Adjust to suit second load profile or motor.
G8.18	Dual Setting Underload Current	Unload2	(0.0). Adjust to suit second load profile or motor.
G8.19	Dual Setting Underload Delay	Unload T2	(Off). Adjust to suit second load profile or motor.
G8.20	Dual Setting Shearpin Current	Shrpin2	(Off). Adjust to suit second load profile or motor.
G8.21	Dual Setting Asymmetrical Current	Asym I Enb2	(N). Adjust to suit second load profile or motor.
G8.22	Dual Setting Motor Current	I Mtr2	(Auto dependant on V5 model). Adjust to suit second motor profile
G8.23	Dual Setting Motor Voltage	V Mtr2	(2).
G8.24	Dual Setting Motor Power	P Mtr2	(Auto dependant on V5 model). Adjust to suit second motor profile
G8.25	Dual Setting Power Factor	Cos Phi	85%. Adjust to suit second motor profile
G8.26	Dual Setting Supply Frequency	Freq 2	(50Hz). Adjust to suit supply frequency.

denotes minimum necessary adjustments.

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Control Terminal Connections-

DI1 Set for Start N/O

DI2 Set for Stop N/C

DI3 Set to Reset N/C

DI4 Set to Dual Setting N/O