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

TYPICAL CONFIGURATIONS SD500

PUMP CONTROL WITH TWO WIRE START/STOP

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Date: **17/04/13**

POWER ELECTRONICS
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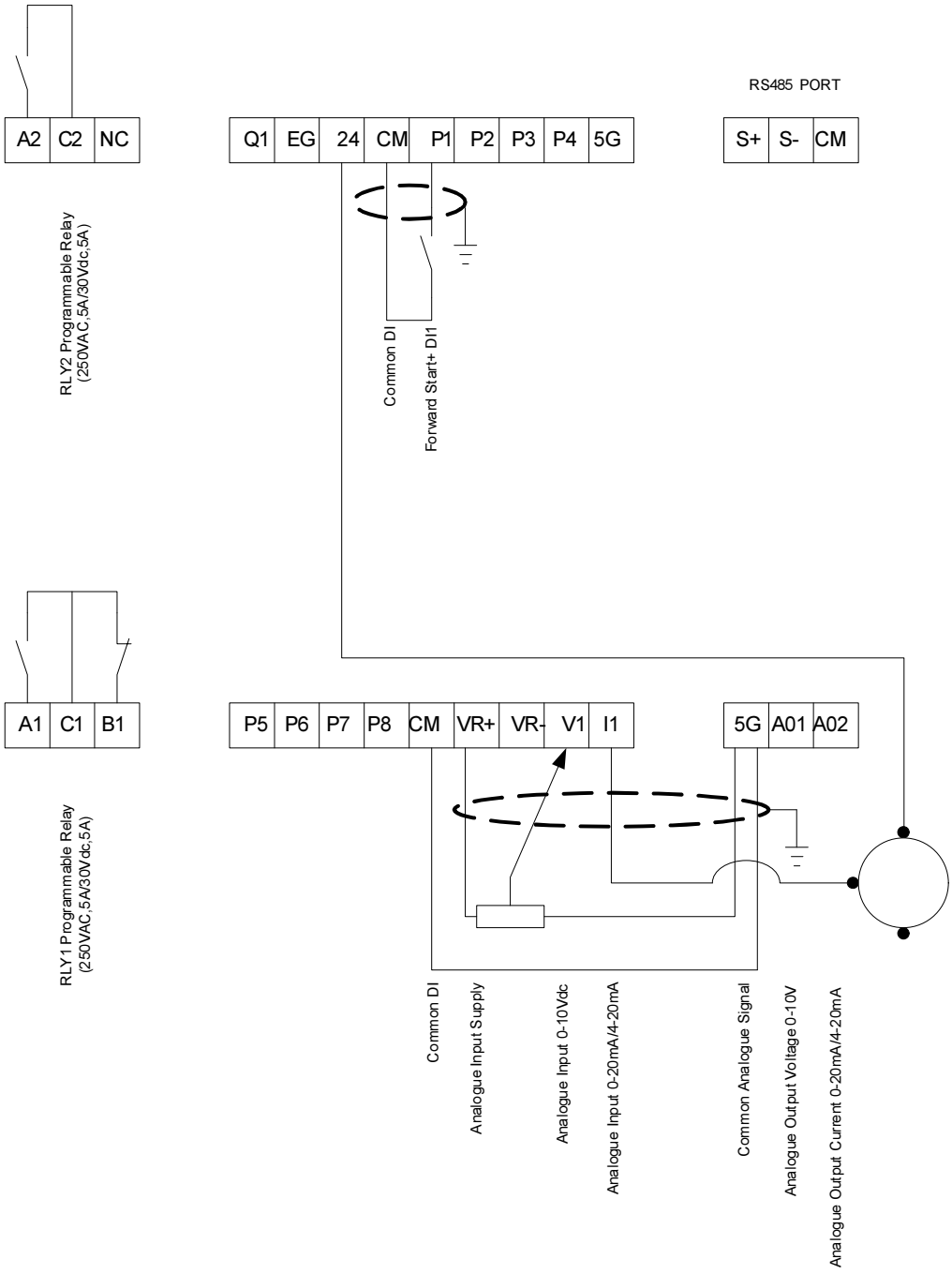
SCREEN	DESCRIPTION	DISPLAY	VALUE (DEFAULT)
G1: MENU OPTIONS			
3	Programme	PROG=	(STANDARD) PUMP
4	Language	LANGUA=	ENGLISH
5	Initialise	INITIALISE=	(0) No initialise
G2.1: NAME PLATE			
1	Motor power	MTR PWR=	kW (* model dependent) Enter motor kW
2	Motor rated current	MTR CUR=	A (* model dependent) Enter motor FLC
4	Motor rated voltage	MTR VOL=	(400V) Enter motor VOLTAGE
5	POLE Number	POLE NUMBER =	Motor Poles (4 for 1500rpm)
8	Motor frequency	MTR FRQ=	(50Hz) Enter motor FREQUENCY
9	Motor cooling	MTRCOOL=	(SELF)
G4: INPUTS S4.1: DIGITALS			
1	Control Mode	CNTROL MODE=	(1) set to 1 Remote
3	Programming of digital input 1	DIGITL IN 1=	(01) set to 01 Start+
4	Programming of digital input 2	DIGITL IN 2=	(NO USE)
5	Programming of digital input 3	DIGITL IN 3=	(NO USE)
6	Programming of digital input 4	DIGITL IN 4=	(NO USE)
7	Programming of digital input 5	DIGITL IN 5=	(NO USE)
8	Programming of digital input 6	DIGITL IN 6=	(NO USE)
9	Programming of digital input 7	DIGITL IN 7=	(NO USE)
10	Programming of digital input 8	DIGITL IN 8=	(NO USE)
S4.2: ANLG INPUT1			
3	Minimum signal value	A1MnV=	0.00V
4	Minimum speed range	A1MnRf=	0%
5	Maximum signal value	A1MxV=	10.00V

6	Maximum speed range	A1MxR=	100%
S4.3: ANLG INPUT2			
2	Minimum signal value	A2MnC=	4mA
3	Minimum speed range	A2MnR=	0%
4	Maximum signal value	A2MxC=	20mA
5	Maximum speed range	A2MxR=	100%
G5: RATES ACC/DEC			
1	Acceleration rate	ACC1=	(20s) adjust to suit application
2	Deceleration rate	DECEL1=	(30s) adjust to suit application
G25: Pump Control			
S25.1: System Setpoint			
1	Multi-reference 1	MREF1=	(10%) Set to desired Setpoint of PID in %
S25.2: PID			
1	PID Setpoint Source	PID Set P=	(MREF)
2	PID Feedback Source	PID Fbk=	Select AI1 or AI2
8	PID Output Inverting	InvertPID=	(N) Invert if necessary Y
S25.3: Start Conditions			
1	Awakening Level	LP Pon=	(35%) Set to required wake up %
S25.4: Stop Conditions			
1	Drive Sleep Delay	LP T Slpr=	(60.0s) Delay before enabling sleep mode
2	Drive Sleep Speed	Slp Spd=	(0.00Hz) Required sleep speed

denotes minimum necessary adjustments.
(xx) denotes SD500 default value



Note- The control cables have to be screened and must be ground connected

The 5G terminal is different to the CM one for 3.7 to 22kW drives