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

TYPICAL CONFIGURATIONS SD700

TWO WIRE START/STOP WITH 4-20mA SPEED REFERENCE

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Date: **19/04/13**

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SD700 Two Wire Start/Stop with 4-20mA Speed Reference

SCREEN	DESCRIPTION	DISPLAY	VALUE (DEFAULT)
G1: MENU OPTIONS			
4	Language	LANGUA=	ENGLISH
5	Initialise	INITIALISE=	(0) No initialise
G2: NAME PLATE			
1	Motor rated current	MTR CUR=	A (*model dependant) Enter motor FLC
2	Motor rated voltage	MTR VOL=	(400V) Enter motor Voltage
3	Motor power	MTR PWR=	kW (*model dependant) Enter motor kW
4	Motor speed	MTR RPM=	(1483) Enter motor RPM
5	Motor power factor	MTR PFA=	(0.91) Enter motor p.f.
6	Motor frequency	MTR FRQ=	(50Hz) Enter motor Frequency
7	Motor cooling	MTR COOLN=	-63%
G3: REFERENCES			
1	Speed reference control	REF1 SPD=	(LOCAL) Set to AI2
G4: INPUTS S4.1: DIGITALS			
1	Control mode	CNTROL MODE=	(1) Set to 2 REMOTE
5	Programming of digital input 1	DIGITL IN 1=	(06) Seto to 05 START/STOP
6	Programming of digital input 2	DIGITL IN 2=	(NO USE)
7	Programming of digital input 3	DIGITL IN 3=	(NO USE)
8	Programming of digital input 4	DIGITL IN 4=	(NO USE)
9	Programming of digital input 5	DIGITL IN 5=	(NO USE)
10	Programming of digital input 6	DIGITL IN 6=	(NO USE)
S4.3 ANLG INPUT2			
1	Selection of pressure	SENSOR 2 ?=	(N)

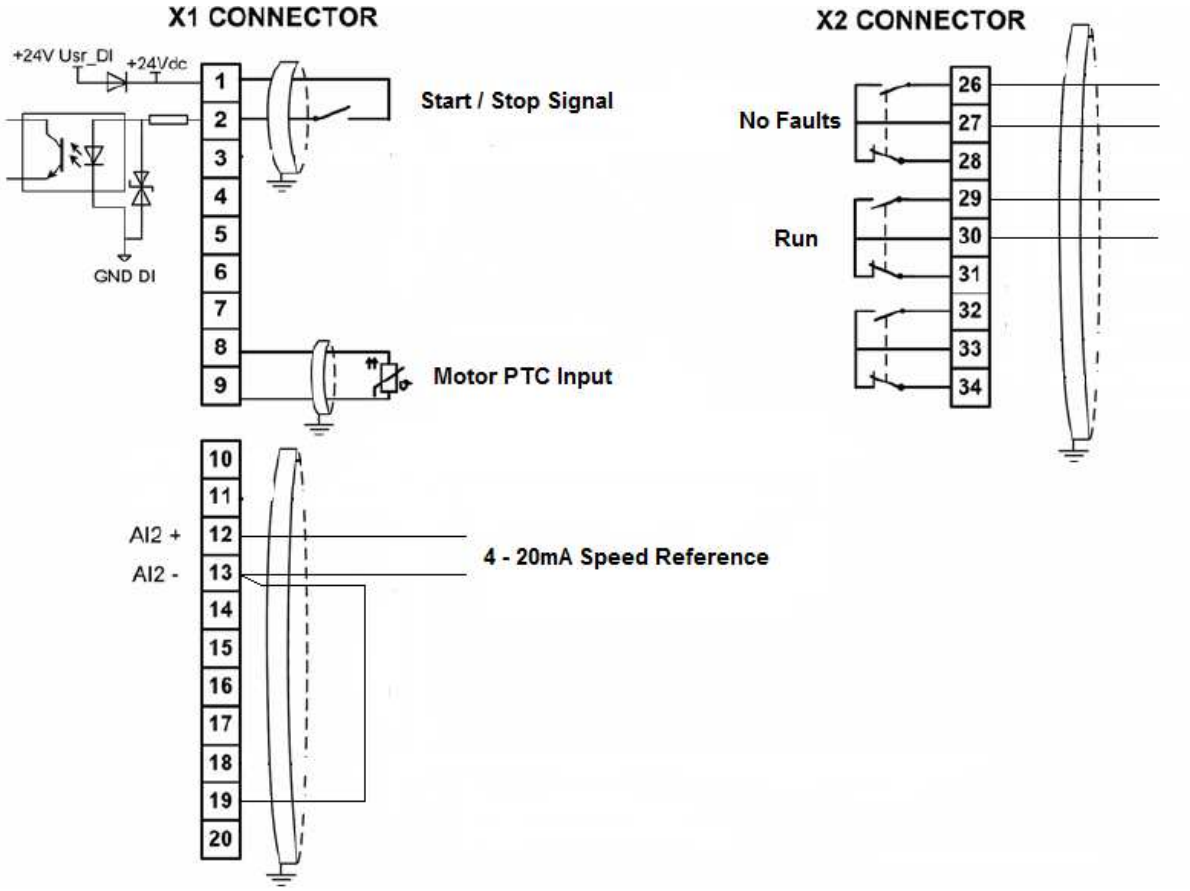
	sensor		
	Sensor configuration	&SENSOR CONFIG	* Only visible when screen 1 is set to Y
2	Sensor units	SENSOR 2 =	(Bar)
3	Analogue input format	AIN2 FORMAT=	(4-20mA)
4	Minimum signal value	INmin2=	(+4mA)
6	Maximum signal value	INmax2=	(+20mA)
8	Analogue input 2 low scale	SPD LO2=	0%
9	Analogue input 2 high scale	SPD HI2=	100%
G5: RATES ACC/DEC			
1	Acceleration rate	ACC1=	(3%/s) adjust to suit application
2	Deceleration rate	DECEL1=	(3%/s) adjust to suit application
G8: OUTPUTS S8.1: DGT OUTPUT			
1	Selection of relay 1 function	SEL RELAY1=	(2) NO FAULTS
5	Selection of relay 2 function	SEL RELAY2=	(3) GENERAL FAULT
9	Selection of relay 3 function	SEL RELAY3=	(5) RUN
S8.2: ANALOGUE OUTPUTS			
1	Analogue output 1 function	ANLG OUT1=	(1) Motor speed
6	Analogue output 2 function	ANLG OUT2=	(2) Motor current
G10: LIMITS			
1	Minimum speed limit	MIN SP1=	(+0.00%) adjust to suit pump/motor
2	Maximum speed limit	MAX SP1=	(+100%) adjust to suit pump/motor
5	Current limit	I LIMIT=	A (*model dependant) adjust to motor FLC
G11: PROTECTIONS			
10	Thermistor enable	PTC EXT?=	(N) set to YES if Thermistor connected

Denotes minimum adjustments
(xx) denotes SD700 default values

2.- Control terminal connections.

Digital and analogue inputs

Terminals 1 / 2 : Start / Stop Signal
Terminals 8 / 9 : PTC Input (Optional)
Terminals 12 / 13 : Analogue input 4-20mA
Terminals 19 : 0V Common



Digital outputs

Termainals 26 / 27 : No Faults Feedback Signal
Terminals 29 / 30 : Run Feedback Signal

NOTE: The remote control cables must be screened