

DEFAULT VALUES FOR ELITE VFD's

KEYBOARD CONTROLS		L8 REGEN=150% %	
A1 LOCAL MODE=SP		L9 I LIMIT=AMPS	
A2 LOCAL TQ=+0.0% %		L10 SKIP1=+0.0% %	
A3 LOCAL SP=+100.0% %		L11 SKIP2=+0.0% %	
COMPARATOR CONTROLS		L12 SK BW=0.0% %	
C1 COMP1 SEL=02		MULTI-REFERENCE	
C2 COMP1 ON =+100% %		M1 MREF1=+0.00% %	100
C3 COMP1 OFF=+90% %		M2 MREF2=+0.00% %	
C4 COMP2 SEL=02		M3 MREF3=+0.00% %	
C5 COMP2 ON =+100% %		M4 MREF4=+0.00% %	
C6 COMP2 OFF=+90% %		M5 MREF5=+0.00% %	
DYNAMIC BRAKE CONTROLS		M6 MREF6=+0.00% %	
D1 DB TIME=0s SEC		M7 MREF7=+0.00% %	
D2 DB DUTY=OFF %		MOTOR NAMEPLATE PARAMETERS	
SERIAL COMMUNICATIONS CONTROLS		N1 MTR CUR AMP	
H1 PROTOCOL	Modbus	N2 MTR VOLT=400V VOLT	
H2 COMS T/O=OFF SEC		N3 MTR FRQ=50Hz Hz	
H3a COMMS ADR=10	10*	N4 MTR PWR kW	
H3b BAUDRATE=9600	9600	N5 MTR RPM RPM	
H4a MAC ID=63		N6 MTR COOL=40% %	
H4b BAUDRATE=125kps		N8 ENCODER=1000	
H4c ASM IN=70		N9 ENC I/P=DIFF	
H4d ASM OUT=20			
H4e CTRL SRC=00		OUTPUT SIGNALS	
H4f REF SRC=00		O1a AO1 O/P=06	
INPUT CONTROLS		O1b AO1=0-10V	
I1 LOCAL S/STP=NONE	Null	O1c AO1 LO= -100% %	
I2 REF S=LOCAL	Local	O1d AO1 HI=+100% %	
I3 REF T=NULL		O1e AO2 O/P=02	
I4 AREF S=LOCAL	Null	O1f AO2=0-10V	
I5 AREF T=NULL		O1g AO2 LO= -100%	
I6a AI1=0-10V	4-20	O1h AO2 HI=+100% %	
I6b AI1 LO= -100% %	0	O2a RELAY1=02	
I6c AI1 HI=+100% %	100	O2b RELAY1 INV=N	
I6d AI2=0-10V		O2c RELAY2=05	
I6e AI2 LO= -100% %		O2d RELAY2 INV=N	
I6f AI2 HI=+100% %		O2e RELAY3=08	
I6g ZERO BAND=Y/N		O2f RELAY3 INV=N	
I7a I/P MODE=0	02	O3a FIBRE O/P=06	
I7b POLARITY=Hi		PROCESS	
I7c MF1 SEL=00	8	P1 PR SRC	
I7d MF2 SEL=00	2	P2 FB SRC	
I7e MF3 SEL=00	17	P3 Kc = 0.1	
I7f MF4 SEL=00		P4 Ti = INF SEC	
I7g MF5 SEL=00		P5 Td = 0.0s SEC	
I7h MF6 SEL=00		ACCELERATION RATES	
I8a F LO =-100% %		R1 ACC=10.0%/s %/SEC	
I8b F HI = +100% %		R2 DEC=10.0%/s %/SEC	
I8c FIBRE MODE		R3 AACC=10.0%/s %/SEC	
L LIMITS		R4 ADEC=10.0%/s %/SEC	
L2 MIN S=-110% %	0	R5 BRK SP=OFF %	
L3 MAX S=+110% %	100	R6 STOPR=3000%/s %/SEC	
L4 MIN T=-150% %	0	R7 SP FILT=0.0s SEC	
L5 MAX T=+150% %	150	R8 TQ FILT=0.0% %	
L6 SP T/O=INF			
START/STOP MODES			
S1 START=NORMAL			
S2 STOP=NORMAL			
S4 ASTOP=NORMAL			
S5 STR DLY=0.05s SEC			
S6 OFF DLY=1.05s SEC			

S7 LOW V TRIP=N/Y	
S8 BRAKE I=0% %	
IMPEDANCES AND GAINS	
X1 CTRL TYPE=V/Hz	
X3a Lm=190% %	
X3b Rs=3.0% %	
X3c Rr=3.0% %	
X3d SIGMA=5.0% %	
X3e FL WEAK=100% %	
X4a MIN FLX=100% %	
X4b STR TYPE=AUTO	
X4c STR TQ=0% %	
X4d STR BAND=0% %	
X4f Kp w=20% %	
X4g Ki w=30% %	
X4h Kd w=0% %	
X5a ILT SLP %	
X5b VLT SLP %	
X5c DAMPING %	
X5d SLIP COMP=N/Y	Yes
X5e FREQ=AUTO	
X5f SWITCH FR=WW Hz	
X5g Kp I=25% %	
X5h Ki I=13% %	
X5i Kf w=100% %	
MENU OPTIONS	
Y1 LANGUAGE=1	
Y3 PROGRAM	
COMMISSION = Y/N	
Z1 PASSWRD=OFF	
Z2 S/W REVISION	
Z2 H/W REVISION	

*For sequential VFD's on the one VFD per pump option the address changes for 10 for pump 1, 11 for pump 2.....etc.