

# 1. CONFIGURATION REGISTER

VARIABLE SPEED DRIVE:  
 SERIAL N°:  
 APPLICATION:  
 DATE:  
 CUSTOMER:  
 NOTES:

SD700FR.  
 MODEL:

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
<b>G1: Options Menu</b>			
1 LOCK PARMTRS=0	0	_____	_____
2 PASSWORD_ =OFF	OFF	_____	_____
3 PSW ERR=XXXX	XXXX	_____	_____
4 LANG=ESPAÑOL	ESPAÑOL	_____	_____
5 INITIALISE=0	0	_____	_____
6 SHORT Menu=NO	NO	_____	_____
7 PROG = STANDARD	STANDARD	_____	_____
11 FAN CTRL=RUN	RUN	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
<b>G2: Motor Nameplate Data</b>			
1 MTR CUR=00.00A MOTOR CURRENT	00.00A	_____	_____
2 MTR VOLT=400V MOTOR VOLTAGE	400V	_____	_____
3 MTR PWR=00.0kW MOTOR POWER	00.0kW	_____	_____
4 MTR RPM=1485 MOTOR SPEED (rpm)	1485	_____	_____
5 MTR PFA=0.84 MTR POWER FACTOR	0.84	_____	_____
6 MTR FRQ=50Hz MOTOR FREQUENCY	50Hz	_____	_____
7 MTR COOL=63% MOTOR COOLING	63%	_____	_____
<b>G3: References</b>			
1 REF1 SPD=LOCAL	LOCAL	_____	_____
2 REF2 SPD=LOCAL	LOCAL	_____	_____
3 LOCAL SPD=+100% LOCAL SPEED	+100%	_____	_____
4 REF1 TQ=LOCAL	LOCAL	_____	_____
5 REF2 TQ=NONE	NONE	_____	_____
6 TQ=+100%	100%	_____	_____
<b>G4: Inputs – S4.1: Digital Inputs</b>			
1 CNTROL MODE1=1	1	_____	_____
2 CNTROL MODE2=2	2	_____	_____
3 RESET MODE=Y	Y	_____	_____
4 DIGIT I MODE=1	1	_____	_____
5 DIGITL IN 1=06	06	_____	_____
6 DIGITL IN 2=00	00	_____	_____
7 DIGITL IN 3=00	00	_____	_____
8 DIGITL IN 4=00	00	_____	_____
9 DIGITL IN 5=00	00	_____	_____
10 DIGITL IN6=17	17	_____	_____
<b>G4: Inputs – S4.2: Analogue Input 1</b>			
1 SENSOR 1 ?=N	N	_____	_____
2 SENSOR 1= I/s	I/s	_____	_____
3 AIN1 FORMAT=V	V	_____	_____
4 INmin1=+0V AIN1 LOW RANGE	+0V	_____	_____
5 Smi1=+0.0I/s SENS1 LOW RANGE	+0.0I/s	_____	_____
6 INmax1=+10V AIN1 HIGH RANGE	+10V	_____	_____
7 Sma1=+10.0I/s SENS1 HIGH RANGE	+10.0I/s	_____	_____
8 SPD LO1=+0% SPD LO RNG AIN1	+0%	_____	_____
9 SPD HI1=+100% SPD HIG RNG AIN1	+100%	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
14 AIN1 LOSS=N	N	_____	_____
15 1_Z BAND=OFF		_____	_____
AIN1 ZERO BAND	OFF	_____	_____
16 FILTER1=OFF		_____	_____
AIN1 STABIL FILT	OFF	_____	_____
<b>G4 Inputs – S4.3: Analogue Input 2</b>			
1 SENSOR 2 ?=N	N	_____	_____
2 SENSOR 2=Bar	Bar	_____	_____
3 AIN2 FORMAT=mA	mA	_____	_____
4 INmin2=+4mA		_____	_____
AIN2 LOW RANGE	+4mA	_____	_____
5 Smi2=+0.0Bar		_____	_____
SENS2 LOW RANGE	+0.0Bar	_____	_____
6 INmax2=+20mA		_____	_____
AIN2 HIGH RANGE	+20mA	_____	_____
7 Sma2=+10.0Bar		_____	_____
SENS2 HIGH RANGE	+10.0Bar	_____	_____
8 SPD LO2=+0%		_____	_____
SPD LO RNG AIN2	+0%	_____	_____
9 SPD HI2=+100%		_____	_____
SPD HIG RNG AIN2	+100%	_____	_____
10 FB2 = 0.0Bar	0.0Bar	_____	_____
11 FB2 – Sp = 0%	0%	_____	_____
12 FA2 = +10.0Bar	+10.0Bar	_____	_____
13 FA2 – SP = 100%	100%	_____	_____
14 AIN2 LOSS=N	N	_____	_____
15 2_Z BAND=OFF		_____	_____
AIN2 ZERO BAND	OFF	_____	_____
16 FILTER2=OFF		_____	_____
AIN2 STABIL FILT	OFF	_____	_____
<b>G4: Inputs – S4.4: Pulse Input</b>			
1 Sensr U=l/s	l/s	_____	_____
2 Pls/s = 100 l/s		_____	_____
LIQU AMOUNT/PULS	100l/s	_____	_____
3 M Rn=1000 l/s		_____	_____
FLOW MAX RANGE	1000l/s	_____	_____
<b>G4: Optic Fiber – S4.6.1: Fiber Mode</b>			
1 FIBER MODE = 0	0	_____	_____
<b>G4: Optic Fiber – S4.6.3: Input O.F.</b>			
5 CONTROL = 0	0	_____	_____
6 FAULT = 0	0	_____	_____
7 SPIN STP = 0	0	_____	_____
<b>G4: Optic Fiber – S4.6.5: T/O O.F.</b>			
5 T/O F.O = 0	0	_____	_____
<b>G5: Acceleration and Deceleration Ramps</b>			
1 ACCE 1=5.0% / s		_____	_____
INITIAL ACCEL	5.0% / s	_____	_____
2 DECEL 1=1.0% / s		_____	_____
INITIAL DECEL	1.0% / s	_____	_____
3 ACCE 2=10.0% / s		_____	_____
SECOND ACCELE	10.0% / s	_____	_____
4 DECEL 2=10.0% / s		_____	_____
SECOND DECELE	10.0% / s	_____	_____
5 BRK ACC=OFF		_____	_____
BREAKPOINT ACL	OFF	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
6 BRK DEC=OFF			
BREAKPOINT DCL	OFF	_____	_____
7 PMT ACL1=1.0% / s			
MOTO POT INC1	1.0% / s	_____	_____
8 PMT DCL1=3.0% / s			
MOTO POT DEC1	3.0% / s	_____	_____
9 PMT ACL2=1.0% / s			
MOTO POT INC2	1.0% / s	_____	_____
10 PMT DCL2=3.0% / s			
MOTO POT DEC2	3.0% / s	_____	_____
11 PMOT BRK=OFF			
MOTO POT BRKPOIN	OFF	_____	_____
12 SP FLT = OFF			
SMOOT SPD FILTER	OFF	_____	_____
<b>G6: PID Control</b>			
1 SEL REF=MREF	MREF	_____	_____
2 PID LOC=+0.0%			
PID LOCAL SETPOI	+0.0%	_____	_____
3 SEL FBK=AI2	AI2	_____	_____
4 GAIN Kp=8.0			
PID PROPORTIONAL	8.0	_____	_____
5 INTEGRAL = 0.1s			
PID INTEGRAL	0.0s	_____	_____
6 DIFFEREN = 0.0s			
PID DIFFERENTIAL	0.0s	_____	_____
7 INVERT PID=N	N	_____	_____
8 Filt FB = OFF	OFF	_____	_____
9 ERR PID = +0.0%	+0.0%	_____	_____
<b>G7: Start / Stop Mode Configuration</b>			
1 STOP 1 = RAMP	RAMP	_____	_____
2 STOP 2 = SPIN	SPIN	_____	_____
3 BRK STP 2 = OFF			
STP2 UNDER SPEED	OFF	_____	_____
4 START = RAMP	RAMP	_____	_____
5 START 2 = RAMP	RAMP	_____	_____
6 START DLY = OFF			
DELAY TO START	OFF	_____	_____
7 STOP DLY = OFF			
DELAY TO STOP	OFF	_____	_____
8 STP MIN SP = N	N	_____	_____
9 OFFRet = OFF			
DELAY AFTER STOP	OFF	_____	_____
10 RUN AFTR VFL = Y	Y	_____	_____
11 SPNstr B=OFF			
SPIN START TUNE	OFF	_____	_____
12 OFFdly2=OFF			
DELAY AFTER STP2	OFF	_____	_____
13 STR AFT RST=Y	Y	_____	_____
14 RPWr OFF = OFF	OFF	_____	_____
15 MagneT = OFF	OFF	_____	_____
16 RetATR = 0.01	0.01	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
<b>G8: Outputs – S8.1: Output Relays</b>			
1 SEL RELAY 1=02	02	_____	_____
2 T R1 ON=0.0s R1 ACTIVAT DELAY	0.0s	_____	_____
3 T R1 OFF=0.0s R1 DEACTIV DELAY	0.0s	_____	_____
4 INVERT R1=N	N	_____	_____
5 SEL RELAY 2=03	03	_____	_____
6 T R2 ON=0.0s R2 ACTIVAT DELAY	0.0s	_____	_____
7 T R2 OFF=0.0s R2 DEACTIV DELAY	0.0s	_____	_____
8 INVERT R2=N	N	_____	_____
9 SEL RELAY 3=05	05	_____	_____
10 T R3 ON=0.0s R3 ACTIVAT DELAY	0.0s	_____	_____
11 T R3 OFF=0.0s R3 DEACTIV DELAY	0.0s	_____	_____
12 INVERT R3=N	N	_____	_____
13 CRAspdOF=+5.0% CRANE BRKoff SPD	+5.0%	_____	_____
34 Dig Out FB = DO1	DO1	_____	_____
35 DlyDoFB = 1.0s	1.0s	_____	_____
36 FAULT1 = OFF	OFF	_____	_____
37 FAULT2 = OFF	OFF	_____	_____
38 FAULT3 = OFF	OFF	_____	_____
39 FAULT4 = OFF	OFF	_____	_____
<b>G8: Outputs – S8.2: Analogue Outputs</b>			
1 ANLG OUT 1=01	01	_____	_____
2 FORMT 1=4-20 mA	mA	_____	_____
3 MIN1 RNG=0% MIN RANG ANAOUT1	+0%	_____	_____
4 MAX1 RNG=+100% MAX RANG ANAOUT1	+100%	_____	_____
5 FILTER 1=OFF FILTER ANAOUTPU1	OFF	_____	_____
6 ANLG OUT 2=02	02	_____	_____
7 FORMT 2=4-20 mA	4-20mA	_____	_____
8 MIN2 RNG=0% MIN RANG ANAOUT2	+0%	_____	_____
9 MAX2 RNG=+100% MAX RANG ANAOUT2	+100%	_____	_____
10 FILTER 2=OFF FILTER ANAOUTPU2	OFF	_____	_____
<b>G9: Comparators – S9.1: Comparator 1</b>			
1 COMP 1 SEL=00	00	_____	_____
2 COMP 1 TYPE=0	0	_____	_____
3 SP C1 ON=+100[%] C1 ACTIVAT LEVEL	+100[%]	_____	_____
4 LIM 2 C1=+100[%] C1 WINDOW LIMIT2	+100[%]	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
5 LIM 1 C1=+0[%] C1 WINDOW LIMIT1	+0[%]	_____	_____
6 T C1 ON=0.0s C1 ACTIVAT DELAY	0.0s	_____	_____
7 SP C1 OF=0[%] C1 DEACTIV LEVEL	+0[%]	_____	_____
8 T C1 OF=0.0s C1 DEACTIV DELAY	0.0s	_____	_____
9 SEL FUNT C1=00	00	_____	_____
<b>G9: Comparators – S9.2: Comparator 2</b>			
1 COMP 2 SEL=00	00	_____	_____
2 COMP 2 TYPE=0	0	_____	_____
3 SP C2 ON=+100[%] C2 ACTIVAT LEVEL	+100[%]	_____	_____
4 LIM 2 C2=+100[%] C2 WINDOW LIMIT2	+100[%]	_____	_____
5 LIM 1 C2=+0[%] C2 WINDOW LIMIT1	+0[%]	_____	_____
6 T C2 ON=0.0s C2 ACTIVAT DELAY	0.0s	_____	_____
7 SP C2 OF=0[%] C2 DEACTIV LEVEL	+0[%]	_____	_____
8 T C2 OF=0.0s C2 DEACTIV DELAY	0.0s	_____	_____
9 SEL FUNT C2=00	00	_____	_____
<b>G9: Comparators – S9.3: Comparator 3</b>			
1 COMP 3 SEL=00	00	_____	_____
2 COM 3 TYPE=0	0	_____	_____
3 SP C3 ON=+100[%] C3 ACTIVAT LEVEL	+100[%]	_____	_____
4 LIM 2 C3=+100[%] C3 WINDOW LIMIT2	+100[%]	_____	_____
5 LIM 1 C3=+0[%] C3 WINDOW LIMIT1	+0[%]	_____	_____
6 T C3 ON=0.0s C3 ACTIVAT DELAY	0.0s	_____	_____
7 SP C3 OF=0[%] C3 DEACTIV LEVEL	+0[%]	_____	_____
8 T C3 OF=0.0s C3 DEACTIV DELAY	0.0s	_____	_____
9 SEL FUNT C3=00	00	_____	_____
<b>G10: Limits</b>			
1 MIN1 SP=+0.00% SPEED MIN LIMIT1	+0.00%	_____	_____
2 MAX1 SP=+100% SPEED MAX LIMIT1	+100%	_____	_____
3 MIN2 SP=-100% SPEED MIN LIMIT2	-100%	_____	_____
4 MAX2 SP=+100% SPEED MAX LIMIT2	+100%	_____	_____
5 I LIMIT= ___ A MAX CURRENT	___ A	_____	_____
6 I LIM TO = OFF TIMOUT MAX CURRE	OFF	_____	_____
7 I. MAX2= ___ A MAX CURRENT 2	___ A	_____	_____
8 MI2 brSP=OFF MAX CURR BRK SPD	OFF	_____	_____
9 MAX TOR=+150% MAX TORQUE	+150%	_____	_____
10 T LIM TO=OFF TIMEOUT MAX TORQ	OFF	_____	_____
11 INVERSION?=N	N	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
14 T/I LIM SP = N	N	_____	_____
15 Rg TQ L = 150%	150%	_____	_____
<b>G11: Protections</b>			
1 SP LIM. TO=OFF TMAX LIMITIN SPD	OFF	_____	_____
2 STOP TO=OFF TIMEOUT STOPPING	OFF	_____	_____
3 GND I LIMIT=10% GND CURR MAX LEV	10%	_____	_____
4 LOW VOLT=360V LO INPUT VOLTAGE	360V	_____	_____
5 LOW V TO=5s LO INP VOL TIMEO	5s	_____	_____
6 HIGH VOLT=500V HI INPUT VOLTAGE	500V	_____	_____
7 HI V TO=5s HI INP VOL TIMEO	5.0s	_____	_____
8 Dly VO = 5s VOUT asyTRIP DLY	5.0s	_____	_____
9 LOW V BHV=1	1	_____	_____
10 PTC EXT ?=N	N	_____	_____
11 PUMP OV=20.0A PUMP OVERLOAD LV	20.0A	_____	_____
12 Pmovl FIL=OFF PMP OVL FILTER	OFF	_____	_____
13 Povi DLY=OFF PMP OVERLOAD DLY	OFF	_____	_____
14 UNDERLOAD=N	N	_____	_____
15 ULD CUR= ___ A UNDERLOAD CURREN	___ A	_____	_____
16 ULD SPD=+100% UNDERLOAD SPEED	+100%	_____	_____
17 ULD DELY=10s UNDERLOAD DELAY	10s	_____	_____
18 DEC.SPdly=OFF DECREM.SP.DELAY	OFF	_____	_____
19 Sp.SRCH.I =10% SPD.SEARCH INCR.	10%	_____	_____
21 Vc Min. T=OFF	OFF	_____	_____
22 Rdsq Is=5.0s	5.0s	_____	_____
<b>G12: Auto Reset</b>			
1 AUTORESET=N	N	_____	_____
2 ATTEMP NUMBR=1 MAX ATTEMPT NUMB	1	_____	_____
3 R STR DEL=5s TIME BEFORE RESET	5s	_____	_____
4 RS COUNT=15min AUTORESET TIMOUT	15min	_____	_____
5 F1 AUTO RST=0	0	_____	_____
6 F2 AUTO RST=0	0	_____	_____
7 F3 AUTO RST=0	0	_____	_____
8 F4 AUTO RST=0	0	_____	_____
<b>G13: Fault History</b>			
1 F0 NO FAULT LAST FAULT=FXX	-	_____	_____
2 F0 NO FAULT FIFTH FAULT=FXX	-	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
3 F0 NO FAULT FOURTH FAULT=FXX	-	_____	_____
4 F0 NO FAULT THIRD FAULT=FXX	-	_____	_____
5 F0 NO FAULT SECOND FAULT=FXX	-	_____	_____
6 F0 NO FAULT FIRST FAULT=FXX	-	_____	_____
7 CLEAR FAULTS=N	N	_____	_____
<b>G14: Multi-references</b>			
1 MREF 1=+10.0% MULTI-REFERENCE1	+10.0%	_____	_____
2 MREF 2=+20.0% MULTI-REFERENCE2	+20.0%	_____	_____
3 MREF 3=+30.0% MULTI-REFERENCE3	+30.0%	_____	_____
4 MREF 4=+40.0% MULTI-REFERENCE4	+40.0%	_____	_____
5 MREF 5=+50.0% MULTI-REFERENCE5	+50.0%	_____	_____
6 MREF 6=+60.0% MULTI-REFERENCE6	+60.0%	_____	_____
7 MREF 7=+70.0% MULTI-REFERENCE7	+70.0%	_____	_____
<b>G15: Inch Speeds</b>			
1 INCH1=+0.00% INCH SPEED 1	+0.00%	_____	_____
2 INCH2=+0.00% INCH SPEED 2	+0.00%	_____	_____
3 INCH3=+0.00% INCH SPEED 3	+0.00%	_____	_____
<b>G16: Skip Frequencies</b>			
1 SKIP 1=+0.0% SKIP FREQUENCY 1	+0.0%	_____	_____
2 SKIP 2=+0.0% SKIP FREQUENCY 2	+0.0%	_____	_____
3 SKIP BAND=OFF OFFSET BAND	OFF	_____	_____
<b>G17: Brake</b>			
1 T DC BRAKE=OFF DC BRAKING TIME	OFF	_____	_____
2 DC CURR=0% DC CURRENT LEVEL	0%	_____	_____
3 DC VOLTS=0.0% DC BR VOLT LEVEL	0.0%	_____	_____
4 I HEATING=OFF Idc HEATING	OFF	_____	_____
<b>G18: Encoder</b>			
0 ENCODER = N	N	_____	_____
1 PULSES = 1024	1024	_____	_____
2 TYPE = DIFF	DIFF	_____	_____
3 ENCOD FILTER = N	N	_____	_____
<b>G19: Fine Tuning – S19.1: IGBT Control</b>			
1 TYPE CRTL=V/Hz	V / Hz	_____	_____
2 FRQ=4000Hz MODULAT FREQUENC	4000	_____	_____
3 PEWAVE=Y	Y	_____	_____
5 AUTOTUNE=N	N	_____	_____
6 OVERMODULATIO=N	N	_____	_____



PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
<b>G19: Fine Tuning – S19.2: MTR Load</b>			
1 MIN FLUX = 100% MINIMUM FLUX	100%	_____	_____
2 BW BOOST=0.0% BOOST BAND	0.0%	_____	_____
3 V BOOST = 0.0% BOOST VOLTAGE	0.0%	_____	_____
4 SLIP COMPENS=N	N	_____	_____
7 I SLIP=4.0% I SLIP COMPENSAT	4.0%	_____	_____
9 STR FRQ = 0.0% START FREQUENCY	0.0%	_____	_____
10 DAMP.ref=OFF DAMPINGreferec	OFF	_____	_____
11 DAMPref=3% REFER.DAMPING	3%	_____	_____
<b>G19: Fine Tuning – S19.3: MTR Model</b>			
1 R STR=1% STATOR RESISTOR	1%	_____	_____
2 R. RTR = 0%	0%	_____	_____
3 Lm = 40%	40%	_____	_____
4 L.I. = 0%	0%	_____	_____
5 FL WEAK = 90%	90%	_____	_____
<b>G19: Fine Tuning – S19.4: Control PID</b>			
1 Kp Sp = 95%	95%	_____	_____
2 Ki Sp = 95%	95%	_____	_____
3 Kp Tq = 95%	95%	_____	_____
4 Ki Tq = 95%	95%	_____	_____
5 Kp I = 95%	95%	_____	_____
6 Ki I = 15%	15%	_____	_____
9 Flux tune = 2.0%	2.0%	_____	_____
<b>G20: Communication Buses – S20.0: Communications Control</b>			
0 CONTROL COM=0	0	_____	_____
<b>G20: Communication Buses – S20.1: Modbus RTU</b>			
1 COMMS T/O=OFF COMMS TIMEOUT	OFF	_____	_____
2 COMM ADDR=10 COMM ADDRESS	10	_____	_____
3 BAUDS=9600	9600	_____	_____
4 PARITY=NONE	NONE	_____	_____
5 DispBR = 4800	4800	_____	_____
<b>G20: Communication Buses – S20.2: PROFIBUS</b>			
1 NODE ADDR=10 NODE ADDRESS	10	_____	_____
<b>G20: Communication Buses – S20.3: CANOPEN</b>			
1 CO NODEID=0	0	_____	_____
2 CO BAUD=1Mbps	1Mbps	_____	_____
3 CO REF sp=+0.0%	+0.0%	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
<b>G20: Communication Buses – S20.4: DEVICENET</b>			
1 DN MACID=0	0	_____	_____
2 DNBAud=500kbps	500kbps	_____	_____
3 CONTROL MODE=0	0	_____	_____
4 REFEREN MODE=0	0	_____	_____
5 FAULT MODE = 2	2	_____	_____
6 ASM IN=70	70	_____	_____
7 ASM- OUT=20	20	_____	_____
8 DNst = 0	0	_____	_____
<b>G20: Communication Buses – S20.5: OFC</b>			
1 B/R F.O = 1Mbps	1Mbps	_____	_____
<b>G20: Communication Buses – S20.6: Registers</b>			
1 Reg01 = 40001	40001	_____	_____
2 Reg02 = 40001	40001	_____	_____
3 Reg03 = 40001	40001	_____	_____
4 Reg04 = 40001	40001	_____	_____
5 Reg05 = 40001	40001	_____	_____
6 Reg06 = 40001	40001	_____	_____
7 Reg07 = 40001	40001	_____	_____
8 Reg08 = 40001	40001	_____	_____
9 Reg09 = 40001	40001	_____	_____
10 Reg10 = 40001	40001	_____	_____
11 Reg11 = 40001	40001	_____	_____
12 Reg12 = 40001	40001	_____	_____
13 Reg13 = 40001	40001	_____	_____
14 Reg14 = 40001	40001	_____	_____
15 Reg15 = 40001	40001	_____	_____
16 Reg16 = 40001	40001	_____	_____
17 Reg17 = 40001	40001	_____	_____
18 Reg18 = 40001	40001	_____	_____
19 Reg19 = 40001	40001	_____	_____
20 Reg20 = 40001	40001	_____	_____
21 Reg21 = 40001	40001	_____	_____
22 Reg22 = 40001	40001	_____	_____
23 Reg23 = 40001	40001	_____	_____
24 Reg24 = 40001	40001	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
25 Reg25 = 40001	40001	_____	_____
26 Reg26 = 40001	40001	_____	_____
27 Reg27 = 40001	40001	_____	_____
28 Reg28 = 40001	40001	_____	_____
29 Reg29 = 40001	40001	_____	_____
30 Reg30 = 40001	40001	_____	_____
31 Reg31 = 40001	40001	_____	_____
<b>G20: Communication Buses – S20.7: Vis Regist</b>			
1 Reg01 = 40001	40001	_____	_____
2 Reg02 = 40001	40001	_____	_____
3 Reg03 = 40001	40001	_____	_____
4 Reg04 = 40001	40001	_____	_____
5 Reg05 = 40001	40001	_____	_____
6 Reg06 = 40001	40001	_____	_____
7 Reg07 = 40001	40001	_____	_____
8 Reg08 = 40001	40001	_____	_____
9 Reg09 = 40001	40001	_____	_____
10 Reg10 = 40001	40001	_____	_____
11 Reg11 = 40001	40001	_____	_____
12 Reg12 = 40001	40001	_____	_____
13 Reg13 = 40001	40001	_____	_____
14 Reg14 = 40001	40001	_____	_____
15 Reg15 = 40001	40001	_____	_____
16 Reg16 = 40001	40001	_____	_____
17 Reg17 = 40001	40001	_____	_____
18 Reg18 = 40001	40001	_____	_____
19 Reg19 = 40001	40001	_____	_____
20 Reg20 = 40001	40001	_____	_____
21 Reg21 = 40001	40001	_____	_____
22 Reg22 = 40001	40001	_____	_____
23 Reg23 = 40001	40001	_____	_____
24 Reg24 = 40001	40001	_____	_____
25 Reg25 = 40001	40001	_____	_____
26 Reg26 = 40001	40001	_____	_____
27 Reg27 = 40001	40001	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
28 Reg28 = 40001	40001	_____	_____
29 Reg29 = 40001	40001	_____	_____
30 Reg30 = 40001	40001	_____	_____
31 Reg31 = 40001	40001	_____	_____
<b>G21: Networks – S21.1: ETHERNET</b>			
1 AUTOMATIC IP=Y	Y	_____	_____
lxxx.yyy.zzz.hhh	-	_____	_____
Sxxx.yyy.zzz.hhh	-	_____	_____
Gxxx.yyy.zzz.hhh	-	_____	_____
2 IP MANU. A=192	192	_____	_____
3 IP MANU. B=168	168	_____	_____
4 IP MANU. C=1	1	_____	_____
5 IP MANU. D=143	143	_____	_____
6 SUBNET A=255	255	_____	_____
7 SUBNET B=255	255	_____	_____
8 SUBNET C=255	255	_____	_____
9 SUBNET D=0	0	_____	_____
10 GATEWAY A=0	0	_____	_____
11 GATEWAY B=0	0	_____	_____
12 GATEWAY C=0	0	_____	_____
13 GATEWAY D=0	0	_____	_____
14 MAC A=0	0	_____	_____
15 MAC B=80	80	_____	_____
16 MAC C=194	194	_____	_____
17 MAC D=114	114	_____	_____
18 MAC E=X	X	_____	_____
19 MAC F=Y	Y	_____	_____
<b>G21: Networks – S21.2: MODBUS TCP</b>			
1 MIPtout=OFF MODBUS TCP TOUT	OFF	_____	_____
<b>G21: Networks – S21.3: ETHER./IP</b>			
1 CONTROL MODE=0	0	_____	_____
2 REFEREN.MODE=0	0	_____	_____
3 FAULT MODE = 2	2	_____	_____
<b>G22: Rectifier</b>			
1 Vdc REF=600 for Vin=400/480V, 800 for Vin=525V, 1050 for Vin=690V	600 for Vin=380/480V, 800 for Vin=525V, 1050 for Vin=690V	_____	_____
2 Cos phi=1	1	_____	_____

PARAMETERS	FACTORY SETTINGS	SETTING 1	SETTING 2
3 CAP/IND=CAP	CAP	_____	_____
4 FREQ RE=2800	2800	_____	_____
5 TIME OFF=0.0	0.0	_____	_____
<b>G22: Rectifier – S22.10: PID Conf.</b>			
1 Kp PLL=10.0	10.0	_____	_____
2 Ki PLL=15.0	15.0	_____	_____
3 Kp Vdc=10.0	10.0	_____	_____
4 Ki Vdc=3.5	3.5	_____	_____
5 Kp I=10.0	10.0	_____	_____
6 Ki I=10.0	10.0	_____	_____
<b>G22: Rectifier – S22.11: Protect.</b>			
5 I lim REC=1.5 x I nominal drive select	1.5 x I nominal drive select	_____	_____
6 T I Limit=OFF	OFF	_____	_____
7 I lmb=30.0%	30.0%	_____	_____
8 I Gnd=30.0%	30.0%	_____	_____
<b>G22: Rectifier – S22.12: LCL Ctrl</b>			
1 LCL Mode=RUN	RUN	_____	_____
2 Pw RunLCL=10	10	_____	_____
3 LCL T=OFF	OFF	_____	_____