

Chapter 9

APPENDICES

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Chapter 9 APPENDICES

APPENDIX A

Brake Motors

Brake motors are used in applications requiring a mechanical brake for safety or other operational reasons. The motor can be a standard induction motor fitted with an electromechanical brake or it could be a special conical rotor machine. In the case of a conical rotor machine the spring-loaded brake is controlled by the motor terminal voltage as follows:

- At rest the motor is braked;
- When the motor is energised an axial component of the magnetic field, due to the conical air-gap, overcomes the force of the brake spring and draws the rotor into the stator. This axial displacement releases the brake and allows the motor to accelerate like a normal induction motor;
- When the motor is de-energised the magnetic field collapses and the brake spring displaces the rotor, pushing the brake disc against the braking surface.
- Inverters can be used to control the speed of conical rotor brake motors since the drive maintains the motor magnetic field constant over the speed range. Note: These motors may be unsuitable for operation above base speed.

Using Line Chokes

Line chokes are not required to limit input current to Eurotherm Drives inverters. The purpose of these chokes is to reduce the ripple current in the DC Link capacitors. 620s up to 4kW do not require a choke. From 5.5kW upwards the choke is fitted inside the drive package.

Line chokes may be used to reduce the harmonic content of the supply current where this is a particular requirement of the application.

Using Motor Chokes

Installations with motor cable runs in excess of 50m may suffer from nuisance overcurrent trips. This is due to the capacitance of the cable causing current spikes to be drawn from the inverter output. A choke may be fitted in the inverter output which limits the capacitive current. Screened cable has a higher capacitance and may cause problems in shorter runs. The recommended choke values are shown in Table A.1.

Table A.1 - Recommended Choke Values For Cables Up To 500m

Drive kW	Choke Inductance	RMS Current Rating	Eurotherm Part No.
0.75	2mH	7.5A	CO055931
1.1			
1.5			
2.2			
4.0	0.9mH	22A	CO057283
5.5			
7.5			
11	0.45mH	33A	CO057284
15			
18	0.3mH	44A	CO057285
22	50uH	70A	CO055193
30			
37	50uH	99A	CO055253

Using Multiple Motors On A Single Drive

It is not possible to use a single inverter to supply several motors.

Current Loop Gain

Motors which are designed for high speed operation at several times base speed will tend to have lower impedance. It may then be necessary to reduce the current loop gain.

In this case it is necessary to go into the 'test functions' menu. This is found under 'system/reserved'. Select test function 2. This will cause the software to generate a square wave current demand. The amplitude, period, and offset may be set by the parameters 'current amplitude', 'current period', and 'current offset' respectively. It is convenient best to set these numbers to 200, 40, and zero respectively.

Return to the 'current loop' menu under 'setup parameters'. Select 'gain'. This is a number which may vary between 0 and 255. This number will typically be around 70 for most motors, but for higher speed motors it may need to be increased. **Note that to increase the gain, the number in 'GAIN' needs to be decreased.**

Turn on the drive and observe the actual current with an oscilloscope on the diagnostic test pin. See diagram Figure 8.1 for the location of the two current feedback signals.

If the current loop gain is correct, or too low, the current feedback should follow the square wave current demand in a smooth controlled manner with no overshoot. When it has reached the new level it should settle down to a smooth waveform with a small amount of ripple.

As the gain is increased (i.e. the number in 'gain' is decreased) the current will follow the demand with less delay. As the gain is increased further (i.e. the number in 'gain' is decreased further) the point will be reached where the ripple (in the steady state when it has reached its new level) will suddenly increase. When this happens, the gain should be reduced until the ripple drops back to the low level.

The aim is to get the current to follow the demand with minimum delay, while ensuring the steady state ripple remains at a minimum.

Diagnostic Test Pins

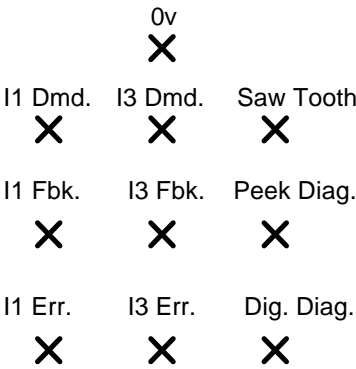


Figure 8.1

Diagnostic Scaling.

Feedback: 100% = 1.59v pk
Demand: 220% = 5v pk (Centred on -5v)

APPENDIX B - 620 STD MMI LISTING

```

RELEASE 2.1
VECTOR DRIVE
4.0 kW 380-460v
..MENU LEVEL
...DIAGNOSTICS
.....TOTAL SPD.DMD. [6 ] = 0.00 %
h.....SPEED FB UNFIL [7 ] = 0.00 %
.....SPEED FEEDBACK [11 ] = 0.00 %
.....SPEED ERROR [8 ] = 0.00 %
.....TORQUE DEMAND [9 ] = 0.00 %
.....TORQUE FEEDBACK [10 ] = 0.00 %
.....CURRENT FEEDBACK [78 ] = 0.00 %
f.....TERMINAL VOLTS [480] = 0 VOLTS
f.....DC LINK VOLTS [613] = 594 VOLTS
f.....TERM V INTEGRAL [623] = 100.00 %
.....ACTUAL POS I LIM [13 ] = 31.44 %
.....ACTUAL NEG I LIM [14 ] = -31.44 %
.....INVERSE TIME O/P [15 ] = 31.44 %
.....AT CURRENT LIMIT [16 ] = FALSE
.....AT ZERO SPEED [17 ] = TRUE
.....AT ZERO SETPOINT [18 ] = TRUE
.....AT STANDSTILL [19 ] = TRUE
.....STALL TRIP [20 ] = OK
.....RAMPING [21 ] = FALSE
.....DRIVE START [23 ] = FALSE
.....DRIVE ENABLE [24 ] = FALSE
.....OPERATING MODE [25 ] = STOPPED
.....HEALTHY [27 ] = TRUE
.....HEALTH OUTPUT [12 ] = TRUE
.....READY [559] = FALSE
.....RUN [28 ] = FALSE
f.....CO-PRO PRESENT [150] = FALSE
.....ANIN 1 (C3) [29 ] = 0.000 VOLTS
.....ANIN 3 (F2) [31 ] = 0.000 VOLTS
.....ANIN 4 (F3) [32 ] = 0.000 VOLTS
.....ANIN 5 (F4) [33 ] = 0.000 VOLTS
.....ANOUT 1 (C5) [34 ] = 0.000 VOLTS
.....ANOUT 2 (F5) [35 ] = 0.000 VOLTS
.....COAST STOP [26 ] = FALSE
.....PROGRAM STOP [22 ] = FALSE
.....DIGIN B6 JOG [37 ] = FALSE
.....DIGIN B7 START [36 ] = FALSE
.....DIGIN B8 ENABLE [38 ] = FALSE
.....DIGIN 1 (E2) [39 ] = FALSE
.....DIGIN 2 (E3) [40 ] = FALSE
.....DIGIN 3 (E4) [41 ] = FALSE
.....DIGIN 4 (E5) [521] = FALSE
.....DIGOUT 1 (E6) [42 ] = TRUE
.....DIGOUT 2 (E7) [43 ] = TRUE
.....DIGOUT 3 (E8) [44 ] = FALSE
.....RAISE/LOWER O/P [45 ] = 0.00 %
.....SPT SUM O/P 1 [46 ] = 0.00 %
.....SPT SUM O/P 2 [385] = 0.00 %
.....SPT SUM O/P 3 [386] = 0.00 %
.....RAMP OUTPUT [47 ] = 0.00 %
.....PRESET O/P [110] = 0.00 %
.....SPEED SETPOINT [48 ] = 0.00 %
f.....SEQ RUN INPUT [49 ] = 0.00 %
f.....SEQ OUTPUT [50 ] = 0.00 %
.....ENCODER [51 ] = 0 RPM
...SETUP PARAMETERS
.....RAMPS
.....RAMP ACCEL TIME [54 ] = 10.0 SECS
.....RAMP DECEL TIME [55 ] = 10.0 SECS
f.....RAMP QUENCH [56 ] = FALSE
.....RAMP HOLD [57 ] = FALSE
.....RAMP INPUT [58 ] = 0.00 %
.....% S-RAMP [59 ] = 0.00 %
.....RAMPING THRESH. [60 ] = 1.00 %
.....AUTO RESET [61 ] = TRUE
.....EXTERNAL RESET [62 ] = FALSE
.....RESET VALUE [63 ] = 0.00 %
.....OP-STATION
.....SET UP
.....SETPOINT [507] = 0.0 %
.....LOCAL KEY ENABLE [632] = TRUE
.....START UP VALUES
.....SETPOINT [503] = 0.0 %
.....REV DIRECTION [504] = FALSE
f.....PROGRAM [505] = FALSE
.....LOCAL [506] = FALSE
.....LOCAL RAMP
.....RAMP ACCEL TIME [511] = 10.0 SECS
.....RAMP DECEL TIME [512] = 10.0 SECS
h.....RAMP QUENCH [513] = FALSE
h.....RAMP HOLD [514] = FALSE
h.....RAMP INPUT [515] = 0.00 %
.....% S-RAMP [516] = 0.00 %
h.....RAMPING THRESH. [517] = 1.00 %
h.....AUTO RESET [518] = TRUE
h.....EXTERNAL RESET [519] = FALSE
h.....RESET VALUE [520] = 0.00 %
h.....RAMP OUTPUT [509] = 0.00 %
.....AUX I/O
.....AUX START [66 ] = TRUE
.....START [70 ] = FALSE
.....AUX JOG [67 ] = TRUE
.....JOG INPUT [71 ] = FALSE
.....AUX ENABLE [68 ] = TRUE
.....ENABLE [72 ] = FALSE
.....JOG
.....JOG SPEED 1 [75 ] = 10.00 %
.....JOG SPEED 2 [76 ] = -10.00 %
.....MODE [80 ] = FALSE
.....JOG ACCEL RATE [113] = 10.0 SECS
.....JOG DECEL RATE [114] = 10.0 SECS
.....RAISE/LOWER
.....RESET VALUE [82 ] = 0.00 %
.....RAMP RATE [83 ] = 60.0 SECS
.....RAISE INPUT [85 ] = FALSE
.....LOWER INPUT [86 ] = FALSE
.....MIN VALUE [87 ] = -100.00 %
.....MAX VALUE [88 ] = 100.00 %
.....EXTERNAL RESET [89 ] = FALSE
h.....INVERSE TIME
h.....AIMING POINT [116] = 105.00 %
h.....DELAY [117] = 60.0 SECS
h.....DOWN RATE [118] = 10.0 SECS
h.....UP RATE [148] = 120.0 SECS
.....STOP RATES
.....RUN STOP TIME [120] = 10.0 SECS
.....RUN STOP LIMIT [121] = 60.0 SECS
.....FAST STOP TIME [123] = 1.0 SECS
.....FAST STOP LIMIT [124] = 60.0 SECS
.....USE SYSTEM RAMP [125] = TRUE
f.....PRE-START DELAY [122] = 0.500 SECS
f.....READY DELAY [352] = 0.000 SECS
.....CONTACTOR DELAY [112] = 0.5 SECS
.....STOP ZERO SPEED [126] = 1.00 %
.....PROG STOP I-LIM [622] = 150.00 %
.....ALARMS
.....EXTERNAL TRIP [144] = FALSE
h.....MOTOR TEMP [141] = 100.00 %
h.....MOTOR TMP.TRIP [128] = 75.00 %
h.....MOTOR TMP.RST. [309] = 50.00 %
.....MOTR.TMP.INHIBIT [146] = FALSE
h.....HEATSINK LEVEL [129] = 17.00 %
h.....ACK ALARM [166] = FALSE
.....STALL INHIBIT [143] = FALSE
.....STALL TORQUE [136] = 100.00 %
.....STALL SPEED [138] = 100.00 %
.....STALL DELAY [137] = 100.00
.....OVER SPD INHIBIT [145] = FALSE
.....OVER SPEED LEVEL [139] = 120.00 %
.....5703 RCV.INHIBIT [142] = FALSE
.....CALIBRATION
.....ENCODER LINES [131] = 2048
.....MAX SPEED RPM [130] = 1500 RPM
.....BASE FREQUENCY [448] = 50.0 Hz
.....MOTOR VOLTS [486] = 415 VOLTS
.....MOTOR RATING RMS [134] = 1.0 AMPS
.....NO.OF POLES [399] = 4
.....NAMEPLATE RPM [135] = 1440 RPM
.....TORQUE LOOP
.....MAG CURRENT % [453] = 30.00 %
.....ROTOR TIME CONST [458] = 100.0 mSECS
.....1 / GAIN [149] = 70
.....POS TORQUE LIMIT [157] = 150.00 %
.....NEG TORQUE LIMIT [158] = -150.00 %
.....MAIN TORQUE LIM. [159] = 100.00 %
.....SYMETRIC TQ.LIM. [153] = TRUE
.....AUX TORQUE DMD [599] = 0.00 %
.....TORQ.DMD.ISOLATE [596] = FALSE
.....CURRENT LIMIT [585] = 150.00 %
.....SPEED LOOP
.....SPD. PROP. GAIN [161] = 10.00
.....SPD. INT. TIME [162] = 100 mSECS
f.....INT. DEFEAT [163] = FALSE
.....ENCODER SIGN [164] = NEG
.....SPEED FBK FILTER [165] = TRUE
.....SPEED SETPOINTS
.....DIRECT SPT1 [171] = 0.00 %
.....DIRECT RATIO [172] = 0.1000
.....DIRECT SPT. MAX [173] = 100.00 %
.....DIRECT SPT. MIN [174] = -100.00 %
.....DIRECT ENABLE [175] = FALSE
.....MAIN SPD.SPT. [176] = 0.00 %
.....MAX SPEED [177] = 100.00 %
.....MIN SPEED [178] = -100.00 %
.....ZERO SPD HYST [132] = 0.10 %
.....ZERO SPEED LEVEL [252] = 0.50 %
.....AUTOTUNE
.....AUTOTUNE FLAG [482] = FALSE
.....MAG I AUTOTUNE [483] = TRUE

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.....SET Tr < RTD SPD	[484] = TRUE	f.....S-RAMP	
.....AUTOCAL MAX RPM	[629] = 30000 RPM	f.....INPUT	[597] = 0.00 %
.....SETPOINT SUM 1		f.....RESET	[104] = FALSE
.....RATIO 0	[189] = 1.0000	f.....RESET VALUE	[105] = 0.00 %
.....RATIO 1	[190] = 1.0000	f.....ACCELERATION	[106] = 10.00
.....SIGN 0	[191] = POS	f.....JERK	[107] = 10.00
.....SIGN 1	[192] = POS	f.....QUENCH	[108] = FALSE
.....DIVIDER 0	[193] = 1.0000	f.....AT SPEED	[316] = FALSE
.....DIVIDER 1	[194] = 1.0000	f.....AT SPEED LEVEL	[612] = 1.00 %
.....LIMIT	[195] = 100.00 %	h.....ACCEL O/P	[253] = 0.00
.....INPUT 0	[196] = 0.00 %	h.....OVERSHOOT THRESH	[254] = 5.00 %
.....INPUT 1	[197] = 0.00 %	f.....OUTPUT	[598] = 0.00 %
.....INPUT 2	[198] = 0.00 %	f.....HOME	
.....SETPOINT SUM 2		f.....HOME	[397] = FALSE
.....RATIO 1	[365] = 1.0000	f.....HOMING DISTANCE	[396] = 2048
.....RATIO 0	[364] = 1.0000	f.....I/ENCODER SCALE	[398] = 4.00
.....SIGN 1	[367] = POS	f.....LINEAR O/P	[388] = FALSE
.....SIGN 0	[366] = POS	f.....HOME INPUT	[394] = 0.00 %
.....DIVIDER 1	[369] = 1.0000	f.....HOME OUTPUT	[395] = 0.00 %
.....DIVIDER 0	[368] = 1.0000	....PASSWORD	
.....LIMIT	[370] = 100.00 %	....ENTER PASSWORD	[200] = 0x0000
.....INPUT 0	[371] = 0.00 %	....CHANGE PASSWORD	[201] = 0x0000
.....INPUT 1	[372] = 0.00 %	....ALARM STATUS	
.....INPUT 2	[373] = 0.00 %	....HEALTH STORE	[203] = 0x0000
.....SETPOINT SUM 3		....HEALTH WORD	[217] = 0x0010
.....RATIO 1	[376] = 1.0000	....FIRST ALARM	[218] = 0x0000
.....RATIO 0	[375] = 1.0000	h.....HEALTH INHIBIT	[219] = 0x0000
.....SIGN 1	[378] = POS	....MENUS	
.....SIGN 0	[377] = POS	....FULL MENUS	[205] = FALSE
.....DIVIDER 1	[380] = 1.0000	....CONTRAST	[220] = 128
.....DIVIDER 0	[379] = 1.0000	f.....MENU DELAY	[206] = 0
.....LIMIT	[381] = 100.00 %	f.....DATA DELAY	[207] = 50
.....INPUT 0	[382] = 0.00 %	....SERIAL LINKS	
.....INPUT 1	[383] = 0.00 %	f.....P3 MODE	[237] = BUSY
.....INPUT 2	[384] = 0.00 %	f.....5703 SUPPORT	
f.....REF ENCODER		f.....SETPT. RATIO	[233] = 1.0000
f.....PHASE		f.....SETPT. SIGN	[234] = NEG
f.....OFFSET	[447] = 0	f.....SCALED INPUT	[235] = 0.00 %
f.....OFFSET SCALE	[609] = 1	f.....RAW INPUT	[584] = 0.00 %
f.....RESET	[600] = FALSE	f.....OUTPUT	[236] = 0.00 %
f.....POS CALC ENABLE	[337] = FALSE	....DUMP MMI (TX)	[238] = UP TO ACTION
f.....POSITION ERROR	[338] = 0	h.....MEMORY DUMP	[221] = FALSE
f.....MAX POSITION ERR	[342] = 100.00	....UDP XFER (TX)	[240] = UP TO ACTION
f.....REF SCALE A	[343] = 100	....UDP XFER (RX)	[239] = UP TO ACTION
f.....REF SCALE B	[344] = 100	f.....P3 BAUD RATE	[241] = 9600
f.....REF ENCODER I/P	[359] = 0	f.....P3 TAG LIST	
f.....SATURATED	[610] = FALSE	f.....TAG 1	[212] = 7
f.....OVERFLOW	[611] = FALSE	f.....TAG 2	[213] = 0
f.....INCH		f.....TAG 3	[214] = 0
f.....INCH ADVANCE	[604] = FALSE	f.....TAG 4	[215] = 0
f.....INCH RETARD	[605] = FALSE	f.....TAG 5	[216] = 0
f.....INCH RATE	[606] = 10.0	f.....FULL TAG LIST	[334] = FALSE
f.....PID		....SYSTEM	
f.....INPUT	[545] = 0.00 %	....SOFTWARE	
f.....ENABLE	[534] = TRUE	....RELEASE	[0] = 2.1
f.....PROP.GAIN	[549] = 1.0	f.....CONFIGURE I/O	
f.....INT.TIME CONST.	[539] = 5.00 SECS	f.....CONFIGURE ENABLE	[245] = FALSE
f.....INT.DEFEAT	[538] = FALSE	f.....ANALOG INPUTS	
f.....DERIVATIVE TC	[531] = 0.000 SECS	f.....ANIN 1 (C3)	
f.....FILTER TC	[535] = 0.100 SECS	f.....CALIBRATION	[248] = 100.00 %
f.....POSITIVE LIMIT	[547] = 100.00 %	f.....OFFSET	[358] = 0.00 %
f.....NEGATIVE LIMIT	[542] = -100.00 %	f.....MAX VALUE	[249] = 100.00 %
f.....O/P SCALER(TRIM)	[543] = 1.0000	f.....MIN VALUE	[250] = -100.00 %
f.....ERROR CALC		f.....DESTINATION TAG	[251] = 196
f.....INPUT 1	[536] = 0.00 %	f.....SCALED INPUT	[390] = 0.00 %
f.....INPUT 2	[537] = 0.00 %	f.....ANIN 3 (F2)	
f.....RATIO 1	[550] = 1.0000	f.....CALIBRATION	[256] = 100.00 %
f.....RATIO 2	[551] = 1.0000	f.....OFFSET	[360] = 0.00 %
f.....SIGN 1	[601] = POS	f.....MAX VALUE	[257] = 100.00 %
f.....SIGN 2	[602] = POS	f.....MIN VALUE	[258] = -100.00 %
f.....DIVIDER 1	[532] = 1.0000	f.....DESTINATION TAG	[259] = 197
f.....DIVIDER 2	[533] = 1.0000	f.....SCALED INPUT	[391] = 0.00 %
f.....LIMIT	[553] = 100.00 %	f.....ANIN 4 (F3)	
f.....ERROR O/P	[500] = 0.00 %	f.....CALIBRATION	[261] = 100.00 %
f.....PROFILER		f.....OFFSET	[361] = 0.00 %
f.....MODE	[541] = 0	f.....MAX VALUE	[262] = 100.00 %
f.....MIN PROFILE GAIN	[540] = 0.00 %	f.....MIN VALUE	[263] = -100.00 %
f.....PROFIED GAIN	[548] = 0.0	f.....DESTINATION TAG	[264] = 0
f.....PROFILE INPUT	[554] = 0.00 %	f.....SCALED INPUT	[392] = 0.00 %
f.....PROFILE MININPUT	[555] = 0.00 %	f.....ANIN 5 (F4)	
f.....OUTPUT	[546] = 0.00 %	f.....CALIBRATION	[266] = 100.00 %
f.....CLAMPED	[544] = TRUE	f.....OFFSET	[362] = 0.00 %
.....PRESET		f.....MAX VALUE	[267] = 100.00 %
.....SELECT 1	[92] = FALSE	f.....MIN VALUE	[268] = -100.00 %
.....SELECT 2	[93] = FALSE	f.....DESTINATION TAG	[269] = 0
.....SELECT 3	[94] = FALSE	f.....SCALED INPUT	[393] = 0.00 %
.....SIGN	[109] = NEG	f.....ANALOG OUTPUTS	
.....INPUT 1	[95] = 0.00 %	f.....ANOUT 1 (C5)	
.....INPUT 2	[96] = 25.00 %	f.....% TO GET 10V	[272] = 100.00 %
.....INPUT 3	[97] = 50.00 %	f.....OFFSET	[332] = 0.00 %
.....INPUT 4	[98] = 100.00 %	f.....CALIBRATION	[330] = 100.00 %
.....INPUT 5	[99] = 0.00 %	f.....MODULUS	[335] = FALSE
.....INPUT 6	[100] = -25.00 %	f.....ANOUT 1	[354] = 0.00 %
.....INPUT 7	[101] = -50.00 %	f.....SOURCE TAG	[273] = 7
.....INPUT 8	[102] = -100.00 %	f.....ANOUT 2 (F5)	

f.....% TO GET 10V	[275] =	150.00 %	f.....LINK 14 SOURCE	[578] =	0
f.....OFFSET	[333] =	0.00 %	f.....LINK 14 DEST	[579] =	0
f.....CALIBRATION	[331] =	100.00 %	f.....LINK 15 SOURCE	[580] =	0
f.....MODULUS	[336] =	FALSE	f.....LINK 15 DEST	[581] =	0
f.....ANOUT 2	[355] =	0.00 %	f.....LINK 16 SOURCE	[582] =	0
f.....SOURCE TAG	[276] =	9	f.....LINK 16 DEST	[583] =	0
f.....DIGITAL INPUTS			h.....RESERVED		
f.....DIGIN 1 (E2)			h.....SSD USE ONLY		
f.....VALUE FOR TRUE	[279] =	0.01 %	h.....DO NOT ALTER !!		
f.....VALUE FOR FALSE	[280] =	0.00 %	h.....Id Iq LOOPS		
f.....OUTPUT	[527] =	0.00 %	h.....Id PROP GAIN	[401] =	2
f.....DESTINATION TAG	[281] =	57	h.....Id INT GAIN	[402] =	500
f.....DIGIN 2 (E3)			h.....MAX Id DEMAND	[403] =	7500
f.....VALUE FOR TRUE	[283] =	0.01 %	h.....MIN Id DEMAND	[404] =	-2000
f.....VALUE FOR FALSE	[284] =	0.00 %	h.....MAX Id INTEGRAL	[405] =	7500
f.....OUTPUT	[528] =	0.00 %	h.....MIN Id INTEGRAL	[406] =	-2000
f.....DESTINATION TAG	[285] =	92	h.....Iq INT GAIN	[407] =	10000
f.....DIGIN 3 (E4)			h.....MAX Iq INTEGRAL	[408] =	4000
f.....VALUE FOR TRUE	[287] =	0.01 %	h.....MIN Iq INTEGRAL	[409] =	-4000
f.....VALUE FOR FALSE	[288] =	0.00 %	h.....MAX Id HI WORD	[415] =	0
f.....OUTPUT	[529] =	0.00 %	h.....MIN Id HI WORD	[416] =	-1
f.....DESTINATION TAG	[289] =	93	h.....MISCELLANEOUS		
f.....DIGIN 4 (E5)			h.....584S CHASSIS	[169] =	TRUE
f.....VALUE FOR TRUE	[523] =	0.01 %	h.....BYPASS PASSWORD	[69] =	FALSE
f.....VALUE FOR FALSE	[524] =	0.00 %	h.....SKIP CO-PRO INIT	[154] =	FALSE
f.....OUTPUT	[508] =	0.00 %	h.....BRAKE THRESHOLD	[411] =	936
f.....DESTINATION TAG	[525] =	94	h.....MODN INDEX	[412] =	9000
f.....DIGIN 4 (E5)	[521] =	FALSE	h.....AD POS THRESHOLD	[413] =	6
f.....DIGIN B6 DEST	[451] =	71	h.....AD NEG THRESHOLD	[414] =	6
f.....DIGIN B7 DEST	[450] =	70	h.....DRIVE STATUS	[168] =	FALSE
f.....DIGIN B8 DEST	[452] =	72	h.....DRIVE RATING RMS	[133] =	9.4 AMPS
f.....DIGITAL OUTPUTS			h.....MID VOLTS	[151] =	TRUE
f.....DIGOUT 1			h.....CHASSIS TYPE	[152] =	584
f.....THRESHOLD (>)	[292] =	0.00 %	h.....RESET VEC VARS	[167] =	FALSE
f.....INPUT	[324] =	0.00 %	h.....RESET EAT	[155] =	FALSE
f.....OFFSET	[321] =	0.00 %	h.....MIN MMI CYCLE TM	[313] =	200
f.....MODULUS	[293] =	FALSE	h.....MAX MMI CYCLE TM	[314] =	4000
f.....INVERT	[327] =	FALSE	h.....CYCLE TIME	[315] =	8000
f.....SOURCE TAG	[294] =	17	h.....SYS TIME	[351] =	0x733E
f.....DIGOUT 2			h.....ENCODER COUNTER	[77] =	0
f.....THRESHOLD (>)	[296] =	0.00 %	h.....SPD.FBK. TC	[319] =	0.010 SECS
f.....INPUT	[325] =	0.00 %	h.....TORQUE.FBK.TC	[320] =	0.010 SECS
f.....OFFSET	[322] =	0.00 %	h.....P3 TAG LIST TC	[318] =	0.010 SECS
f.....MODULUS	[297] =	FALSE	h.....IFB ADJUST	[495] =	115.0 %
f.....INVERT	[328] =	FALSE	h.....TOTAL TRIP COUNT	[624] =	0x0000
f.....SOURCE TAG	[298] =	12	h.....SYSTEM RESET	[64] =	FALSE
f.....DIGOUT 3			h.....TEST FUNCTIONS		
f.....THRESHOLD (>)	[300] =	0.00 %	h.....SELECT FUNCTION	[418] =	0
f.....INPUT	[326] =	0.00 %	h.....SPEED PERIOD	[419] =	1000
f.....OFFSET	[323] =	0.00 %	h.....SPEED AMPLITUDE	[420] =	500
f.....MODULUS	[301] =	TRUE	h.....SPEED OFFSET	[421] =	0
f.....INVERT	[329] =	FALSE	h.....CURRENT PERIOD	[422] =	40
f.....SOURCE TAG	[302] =	559	h.....CURR AMPLITUDE	[423] =	200
f.....CONFIGURE 5703			h.....CURRENT OFFSET	[424] =	0
f.....SOURCE TAG	[304] =	176	h.....TRACE		
f.....DESTINATION TAG	[305] =	371	h.....TRACE MODE	[426] =	1
f.....BLOCK DIAGRAM			h.....PRESET COUNT	[427] =	0
f.....RAISE/LOWER DEST	[307] =	0	h.....NO OF PASSES	[428] =	1
f.....RAMP O/P DEST	[308] =	372	h.....TRACE 16 ITEMS	[429] =	FALSE
f.....PRESET DEST	[111] =	373	h.....TRACE ADDRESS 1	[430] =	0x00AC
f.....S-RAMP DEST	[103] =	0	h.....TRACE ADDRESS 2	[431] =	0x0068
f.....HOME DEST	[389] =	0	h.....TRACE ADDRESS 3	[432] =	0x00A4
f.....SPT SUM1 OP DEST	[345] =	58	h.....TRACE ADDRESS 4	[433] =	0x0066
f.....SPT SUM2 OP DEST	[346] =	176	h.....TRACE ADDRESS 5	[434] =	0x00AA
f.....SPT SUM3 OP DEST	[347] =	0	h.....TRACE ADDRESS 6	[435] =	0x00B4
f.....PID O/P DEST	[552] =	0	h.....TRACE ADDRESS 7	[436] =	0x00A6
f.....PID ERROR DEST	[556] =	545	h.....TRACE ADDRESS 8	[437] =	0x00B2
f.....POSITION DEST	[341] =	0	h.....TRACE ADDRESS 9	[438] =	0x00BE
f.....INTERNAL LINKS			h.....TRACE ADDRESS 10	[439] =	0xF450
f.....LINK 1 SOURCE	[180] =	0	h.....TRACE ADDRESS 11	[440] =	0x00B6
f.....LINK 1 DEST	[181] =	0	h.....TRACE ADDRESS 12	[441] =	0xF452
f.....LINK 2 SOURCE	[182] =	0	h.....TRACE ADDRESS 13	[442] =	0xF44E
f.....LINK 2 DEST	[183] =	0	h.....TRACE ADDRESS 14	[443] =	0x0086
f.....LINK 3 SOURCE	[184] =	0	h.....TRACE ADDRESS 15	[444] =	0xDD46
f.....LINK 3 DEST	[185] =	0	h.....TRACE ADDRESS 16	[445] =	0x00B0
f.....LINK 4 SOURCE	[186] =	0	h.....FIELD WK VARS		
f.....LINK 4 DEST	[187] =	0	h.....MAG I SCALE 0	[454] =	100.0 %
f.....LINK 5 SOURCE	[560] =	0	h.....MAG I SCALE 1	[455] =	77.0 %
f.....LINK 5 DEST	[561] =	0	h.....MAG I SCALE 2	[456] =	63.0 %
f.....LINK 6 SOURCE	[562] =	0	h.....MAG I SCALE 3	[457] =	50.0 %
f.....LINK 6 DEST	[563] =	0	h.....MAG I SCALE 4	[586] =	40.0 %
f.....LINK 7 SOURCE	[564] =	0	h.....MAG I SCALE 5	[459] =	35.0 %
f.....LINK 7 DEST	[565] =	0	h.....MAG I SCALE 6	[460] =	30.0 %
f.....LINK 8 SOURCE	[566] =	0	h.....MAG I SCALE 7	[461] =	25.0 %
f.....LINK 8 DEST	[567] =	0	h.....MAG I SCALE 8	[462] =	20.0 %
f.....LINK 9 SOURCE	[568] =	0	h.....MAG I SCALE 9	[630] =	11.1 %
f.....LINK 9 DEST	[569] =	0	h.....TR SCALE 0	[587] =	100.0 %
f.....LINK 10 SOURCE	[570] =	0	h.....TR SCALE 1	[588] =	100.0 %
f.....LINK 10 DEST	[571] =	0	h.....TR SCALE 2	[589] =	100.0 %
f.....LINK 11 SOURCE	[572] =	0	h.....TR SCALE 3	[590] =	100.0 %
f.....LINK 11 DEST	[573] =	0	h.....TR SCALE 4	[591] =	100.0 %
f.....LINK 12 SOURCE	[574] =	0	h.....TR SCALE 5	[592] =	100.0 %
f.....LINK 12 DEST	[575] =	0	h.....TR SCALE 6	[593] =	100.0 %
f.....LINK 13 SOURCE	[576] =	0	h.....TR SCALE 7	[594] =	100.0 %
f.....LINK 13 DEST	[577] =	0	h.....TR SCALE 8	[595] =	100.0 %

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```
h.....TR SCALE 9      [631] =    100.0 %
h.....AUTOTUNE MISC
h.....KIMR_INT         [487] =      1000
h.....AUTO RAMP INCRMT [488] =         2
h.....LINK V FILT GAIN [489] =       500
h.....TERM V FILT GAIN [490] =       500
h.....TERM V FLTGN DSP [491] =        50
h.....AUTOCAL MAX RPM  [492] =         0 RPM
h.....LOAD FACTOR @BS  [493] =      95.0 %
h.....LOAD FACTOR @2BS [494] =      90.0 %
h.....MIN LINK V RATIO [628] =      85.0 %
h.....TERM V CONTROL
h.....% LOAD @BASE SPD [614] =       5.00 %
h.....TVolts INT RANGE [615] =      50.00 %
h.....SPD @ TV INT =0   [616] =      50.00 %
h.....IQ @TV INTGN=MIN  [617] =     100.0 %
h.....IQ @TV INTGN=MAX  [618] =     200.0 %
h.....LOOP RESPNSE=nTr [619] =        20
h.....FAST RESPONSE %   [620] =     102.50 %
h.....DIAGNOSTICS RESD
h.....SLIP FREQUENCY    [625] =         0.00 Hz
h.....RUN SLIP F DIAG   [627] = FALSE
f.....PEEK
f.....PEEK DATA        [349] = [0xC000] = 0000
f.....PEEK SCALE        [350] =     100.00 %
...PARAMETER SAVE      [208] = UP TO ACTION
...SAVE (U/D)
...CONFIGURE DRIVE
...ENCODER LINES        [131] =      2048
...MAX SPEED RPM        [130] =     1500 RPM
...BASE FREQUENCY       [448] =       50.0 Hz
...MOTOR VOLTS          [486] =      415 VOLTS
...MOTOR RATING RMS     [134] =       1.0 AMPS
...NO. OF POLES         [399] =         4
...NAMEPLATE RPM        [135] =     1440 RPM
...MAG CURRENT %        [453] =      30.00 %
...ROTOR TIME CONST     [458] =     100.0 mSECS
...ENCODER SIGN         [164] = NEG
...MAIN TORQUE LIM.     [159] =     100.00 %
...AUTOTUNE FLAG        [482] = FALSE
...SPD. PROP. GAIN      [161] =       10.00
...SPD. INT. TIME       [162] =      100 mSECS
```

NOTES:

* Parameter is not at factory default.
f Menu is only visible with FULL MENU = TRUE.
h Menu is hidden and is for engineering use only.

APPENDIX C - 620LNK AND 620ADV MMI LISTING

```

RELEASE 2.1
VECTOR DRIVE
4.0 kW 380-460v
..MENU LEVEL
..DIAGNOSTICS
.....TOTAL SPD.DMD. [6 ] = 0.00 %
h.....SPEED FB UNFIL [7 ] = 0.00 %
.....SPEED FEEDBACK [11 ] = 0.00 %
.....SPEED ERROR [8 ] = 0.00 %
.....TORQUE DEMAND [9 ] = 0.00 %
.....TORQUE FEEDBACK [10 ] = 0.00 %
.....CURRENT FEEDBACK [78 ] = 0.00 %
f.....TERMINAL VOLTS [480] = 0 VOLTS
f.....DC LINK VOLTS [613] = 594 VOLTS
f.....TERM V INTEGRAL [623] = 100.00 %
.....ACTUAL POS I LIM [13 ] = 31.44 %
.....ACTUAL NEG I LIM [14 ] = -31.44 %
.....INVERSE TIME O/P [15 ] = 31.44 %
.....AT CURRENT LIMIT [16 ] = FALSE
.....AT ZERO SPEED [17 ] = TRUE
.....AT ZERO SETPOINT [18 ] = TRUE
.....AT STANDSTILL [19 ] = TRUE
.....STALL TRIP [20 ] = OK
.....RAMPING [21 ] = FALSE
.....DRIVE START [23 ] = FALSE
.....DRIVE ENABLE [24 ] = FALSE
.....OPERATING MODE [25 ] = STOPPED
.....HEALTHY [27 ] = TRUE
.....HEALTH OUTPUT [12 ] = TRUE
.....READY [559] = FALSE
.....RUN [28 ] = FALSE
f.....CO-PRO PRESENT [150] = TRUE
.....ANIN 1 (C3) [29 ] = 0.000 VOLTS
.....ANIN 3 (F2) [31 ] = 0.000 VOLTS
.....ANIN 4 (F3) [32 ] = 0.000 VOLTS
.....ANIN 5 (F4) [33 ] = 0.000 VOLTS
.....ANOUT 1 (C5) [34 ] = 0.000 VOLTS
.....ANOUT 2 (F5) [35 ] = 0.000 VOLTS
.....COAST STOP [26 ] = TRUE
.....PROGRAM STOP [22 ] = TRUE
.....DIGIN B6 JOG [37 ] = FALSE
.....DIGIN B7 START [36 ] = TRUE
.....DIGIN B8 ENABLE [38 ] = TRUE
.....DIGIN 1 (E2) [39 ] = FALSE
.....DIGIN 2 (E3) [40 ] = FALSE
.....DIGIN 3 (E4) [41 ] = FALSE
.....DIGIN 4 (E5) [521] = FALSE
.....DIGOUT 1 (E6) [42 ] = TRUE
.....DIGOUT 2 (E7) [43 ] = TRUE
.....DIGOUT 3 (E8) [44 ] = FALSE
.....RAISE/LOWER O/P [45 ] = 0.00 %
.....SPT SUM O/P 1 [46 ] = 0.01 %
.....SPT SUM O/P 2 [385] = 0.00 %
.....SPT SUM O/P 3 [386] = 0.00 %
.....RAMP OUTPUT [47 ] = 0.00 %
.....PRESET O/P [110] = 0.00 %
.....SPEED SETPOINT [48 ] = 0.00 %
f.....SEQ RUN INPUT [49 ] = 0.00 %
f.....SEQ OUTPUT [50 ] = 0.00 %
.....ENCODER [51 ] = 0 RPM
....SETUP PARAMETERS
.....RAMPS
.....RAMP ACCEL TIME [54 ] = 10.0 SECS
.....RAMP DECEL TIME [55 ] = 10.0 SECS
f.....RAMP QUENCH [56 ] = FALSE
.....RAMP HOLD [57 ] = FALSE
.....RAMP INPUT [58 ] = 0.00 %
.....% S-RAMP [59 ] = 0.00 %
.....RAMPING THRESH. [60 ] = 1.00 %
.....AUTO RESET [61 ] = TRUE
.....EXTERNAL RESET [62 ] = FALSE
.....RESET VALUE [63 ] = 0.00 %
.....OP-STATION
.....SET UP
.....SETPOINT [507] = 0.0 %
.....LOCAL KEY ENABLE [632] = TRUE
.....START UP VALUES
.....SETPOINT [503] = 0.0 %
.....REV DIRECTION [504] = FALSE
f.....PROGRAM [505] = FALSE
.....LOCAL [506] = FALSE
.....LOCAL RAMP
.....RAMP ACCEL TIME [511] = 10.0 SECS
.....RAMP DECEL TIME [512] = 10.0 SECS
h.....RAMP QUENCH [513] = FALSE
h.....RAMP HOLD [514] = FALSE
h.....RAMP INPUT [515] = 0.00 %
.....% S-RAMP [516] = 0.00 %
h.....RAMPING THRESH. [517] = 1.00 %
h.....AUTO RESET [518] = TRUE
h.....EXTERNAL RESET [519] = FALSE
h.....RESET VALUE [520] = 0.00 %
h.....RAMP OUTPUT [509] = 0.00 %
.....AUX I/O
.....AUX START [66 ] = TRUE
.....START [70 ] = FALSE
.....AUX JOG [67 ] = TRUE
.....JOG INPUT [71 ] = FALSE
.....AUX ENABLE [68 ] = TRUE
.....ENABLE [72 ] = FALSE
.....JOG
.....JOG SPEED 1 [75 ] = 10.00 %
.....JOG SPEED 2 [76 ] = -10.00 %
.....MODE [80 ] = FALSE
.....JOG ACCEL RATE [113] = 10.0 SECS
.....JOG DECEL RATE [114] = 10.0 SECS
.....RAISE/LOWER
.....RESET VALUE [82 ] = 0.00 %
.....RAMP RATE [83 ] = 60.0 SECS
.....RAISE INPUT [85 ] = FALSE
.....LOWER INPUT [86 ] = FALSE
.....MIN VALUE [87 ] = -100.00 %
.....MAX VALUE [88 ] = 100.00 %
.....EXTERNAL RESET [89 ] = FALSE
h.....INVERSE TIME
h.....AIMING POINT [116] = 105.00 %
h.....DELAY [117] = 60.0 SECS
h.....DOWN RATE [118] = 10.0 SECS
h.....UP RATE [148] = 120.0 SECS
.....STOP RATES
.....RUN STOP TIME [120] = 10.0 SECS
.....RUN STOP LIMIT [121] = 60.0 SECS
.....FAST STOP TIME [123] = 1.0 SECS
.....FAST STOP LIMIT [124] = 60.0 SECS
.....USE SYSTEM RAMP [125] = TRUE
f.....PRE-START DELAY [122] = 0.500 SECS
f.....READY DELAY [352] = 0.000 SECS
.....CONTACTOR DELAY [112] = 0.5 SECS
.....STOP ZERO SPEED [126] = 1.00 %
.....PROG STOP I-LIM [622] = 150.00 %
.....ALARMS
.....EXTERNAL TRIP [144] = FALSE
h.....MOTOR TEMP [141] = 26.97 %
h.....MOTOR TMP.TRIP [128] = 75.00 %
h.....MOTOR TMP.RST. [309] = 50.00 %
.....MOTR.TMP.INHIBIT [146] = FALSE
h.....HEATSINK LEVEL [129] = 17.00 %
h.....ACK ALARM [166] = FALSE
.....STALL INHIBIT [143] = FALSE
.....STALL TORQUE [136] = 100.00 %
.....STALL SPEED [138] = 100.00 %
.....STALL DELAY [137] = 100.00
.....OVER SPD INHIBIT [145] = FALSE
.....OVER SPEED LEVEL [139] = 120.00 %
.....5703 RCV.INHIBIT [142] = FALSE
.....CALIBRATION
.....ENCODER LINES [131] = 2048
.....MAX SPEED RPM [130] = 1500 RPM
.....BASE FREQUENCY [448] = 50.0 Hz
.....MOTOR VOLTS [486] = 415 VOLTS
.....MOTOR RATING RMS [134] = 1.0 AMPS
.....NO.OF POLES [399] = 4
.....NAMEPLATE RPM [135] = 1440 RPM
.....TORQUE LOOP
.....MAG CURRENT % [453] = 30.00 %
.....ROTOR TIME CONST [458] = 100.0 mSECS
.....1 / GAIN [149] = 70
.....POS TORQUE LIMIT [157] = 150.00 %
.....NEG TORQUE LIMIT [158] = -150.00 %
.....MAIN TORQUE LIM. [159] = 100.00 %
.....SYMETRIC TQ.LIM. [153] = TRUE
.....AUX TORQUE DMD [599] = 0.00 %
.....TORQ.DMD.ISOLATE [596] = FALSE
.....CURRENT LIMIT [585] = 150.00 %
.....SPEED LOOP
.....SPD. PROP. GAIN [161] = 10.00
.....SPD. INT. TIME [162] = 100 mSECS
f.....INT. DEFEAT [163] = FALSE
.....ENCODER SIGN [164] = NEG
.....SPEED FBK FILTER [165] = TRUE
.....SPEED SETPOINTS
.....DIRECT SPT1 [171] = 0.00 %
.....DIRECT RATIO [172] = 0.1000
.....DIRECT SPT. MAX [173] = 100.00 %
.....DIRECT SPT. MIN [174] = -100.00 %
.....DIRECT ENABLE [175] = FALSE
.....MAIN SPD.SPT. [176] = 0.00 %
.....MAX SPEED [177] = 100.00 %
.....MIN SPEED [178] = -100.00 %
.....ZERO SPD HYST [132] = 0.10 %
.....ZERO SPEED LEVEL [252] = 0.50 %
.....AUTOTUNE
.....AUTOTUNE FLAG [482] = FALSE
.....MAG I AUTOTUNE [483] = TRUE

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.....SET Tr < RTD SPD	[484] = TRUEINPUT 5	[99] = 0.00 %
.....AUTOCAL MAX RPM	[629] = 30000 RPMINPUT 6	[100] = -25.00 %
.....SETPOINT SUM 1		.....INPUT 7	[101] = -50.00 %
.....RATIO 0	[189] = 1.0000	.....INPUT 8	[102] = -100.00 %
.....RATIO 1	[190] = 1.0000	f.....S-RAMP	
.....SIGN 0	[191] = POS	f.....INPUT	[597] = 0.00 %
.....SIGN 1	[192] = POS	f.....RESET	[104] = FALSE
.....DIVIDER 0	[193] = 1.0000	f.....RESET VALUE	[105] = 0.00 %
.....DIVIDER 1	[194] = 1.0000	f.....ACCELERATION	[106] = 10.00
.....LIMIT	[195] = 100.00 %	f.....JERK	[107] = 10.00
.....INPUT 0	[196] = 0.00 %	f.....QUENCH	[108] = FALSE
.....INPUT 1	[197] = 0.00 %	f.....AT SPEED	[316] = FALSE
.....INPUT 2	[198] = 0.00 %	f.....AT SPEED LEVEL	[612] = 1.00 %
.....SETPOINT SUM 2		h.....ACCEL O/P	[253] = 0.00
.....RATIO 1	[365] = 1.0000	h.....OVERSHOOT THRESH	[254] = 5.00 %
.....RATIO 0	[364] = 1.0000	f.....OUTPUT	[598] = 0.00 %
.....SIGN 1	[367] = POS	f.....HOME	
.....SIGN 0	[366] = POS	f.....HOME	[397] = FALSE
.....DIVIDER 1	[369] = 1.0000	f.....HOMING DISTANCE	[396] = 2048
.....DIVIDER 0	[368] = 1.0000	f.....1/ENCODER SCALE	[398] = 4.00
.....LIMIT	[370] = 100.00 %	f.....LINEAR O/P	[388] = FALSE
.....INPUT 0	[371] = 0.00 %	f.....HOME INPUT	[394] = 0.00 %
.....INPUT 1	[372] = 0.00 %	f.....HOME OUTPUT	[395] = 0.00 %
.....INPUT 2	[373] = 0.00 %	....PASSWORD	
.....SETPOINT SUM 3		.....ENTER PASSWORD	[200] = 0x0000
.....RATIO 1	[376] = 1.0000	.....CHANGE PASSWORD	[201] = 0x0000
.....RATIO 0	[375] = 1.0000	....ALARM STATUS	
.....SIGN 1	[378] = POS	.....HEALTH STORE	[203] = 0x0000
.....SIGN 0	[377] = POS	.....HEALTH WORD	[217] = 0x0000
.....DIVIDER 1	[380] = 1.0000	.....FIRST ALARM	[218] = 0x0000
.....DIVIDER 0	[379] = 1.0000	h.....HEALTH INHIBIT	[219] = 0x0000
.....LIMIT	[381] = 100.00 %	....MENUS	
.....INPUT 0	[382] = 0.00 %	.....FULL MENUS	[205] = FALSE
.....INPUT 1	[383] = 0.00 %	.....CONTRAST	[220] = 128
.....INPUT 2	[384] = 0.00 %	f.....MENU DELAY	[206] = 0
f.....REF ENCODER		f.....DATA DELAY	[207] = 50
f.....SPEED		....SERIAL LINKS	
f.....REFSPEED	[357] = 0.00 %	f.....P3 MODE	[237] = BUSY
f.....MAX SPEED RPM	[353] = 1500 RPM	f.....5703 SUPPORT	
f.....ENCODER LINES	[356] = 2048	f.....SETPT. RATIO	[233] = 1.0000
f.....PHASE		f.....SETPT. SIGN	[234] = NEG
f.....OFFSET	[447] = 0	f.....SCALED INPUT	[235] = 0.00 %
f.....OFFSET SCALE	[609] = 1	f.....RAW INPUT	[584] = 0.00 %
f.....RESET	[600] = FALSE	f.....OUTPUT	[236] = 0.00 %
f.....POS CALC ENABLE	[337] = FALSE	.....DUMP MMI (TX)	[238] = UP TO ACTION
f.....POSITION ERROR	[338] = 0	h.....MEMORY DUMP	[221] = FALSE
f.....MAX POSITION ERR	[342] = 100.00	.....UDP XFER (TX)	[240] = UP TO ACTION
f.....REF SCALE A	[343] = 100	.....UDP XFER (RX)	[239] = UP TO ACTION
f.....REF SCALE B	[344] = 100	f.....P3 BAUD RATE	[241] = 9600
f.....REF ENCODER I/P	[359] = 0	f.....P3 TAG LIST	
f.....SATURATED	[610] = FALSE	f.....TAG 1	[212] = 7
f.....OVERFLOW	[611] = FALSE	f.....TAG 2	[213] = 0
f.....INCH		f.....TAG 3	[214] = 0
f.....INCH ADVANCE	[604] = FALSE	f.....TAG 4	[215] = 0
f.....INCH RETARD	[605] = FALSE	f.....TAG 5	[216] = 0
f.....INCH RATE	[606] = 10.0	f.....FULL TAG LIST	[334] = FALSE
f.....PID		....SYSTEM	
f.....INPUT	[545] = 0.00 %	.....SOFTWARE	
f.....ENABLE	[534] = TRUE	.....RELEASE	[0] = 2.1
f.....PROP.GAIN	[549] = 1.0	f.....CONFIGURE I/O	
f.....INT.TIME CONST.	[539] = 5.00 SECS	f.....CONFIGURE ENABLE	[245] = FALSE
f.....INT.DEFEAT	[538] = FALSE	f.....ANALOG INPUTS	
f.....DERIVATIVE TC	[531] = 0.000 SECS	f.....ANIN 1 (C3)	
f.....FILTER TC	[535] = 0.100 SECS	f.....CALIBRATION	[248] = 100.00 %
f.....POSITIVE LIMIT	[547] = 100.00 %	f.....OFFSET	[358] = 0.00 %
f.....NEGATIVE LIMIT	[542] = -100.00 %	f.....MAX VALUE	[249] = 100.00 %
f.....O/P SCALER (TRIM)	[543] = 1.0000	f.....MIN VALUE	[250] = -100.00 %
f.....ERROR CALC		f.....DESTINATION TAG	[251] = 196
f.....INPUT 1	[536] = 0.00 %	f.....SCALED INPUT	[390] = 0.00 %
f.....INPUT 2	[537] = 0.00 %	f.....ANIN 3 (F2)	
f.....RATIO 1	[550] = 1.0000	f.....CALIBRATION	[256] = 100.00 %
f.....RATIO 2	[551] = 1.0000	f.....OFFSET	[360] = 0.00 %
f.....SIGN 1	[601] = POS	f.....MAX VALUE	[257] = 100.00 %
f.....SIGN 2	[602] = POS	f.....MIN VALUE	[258] = -100.00 %
f.....DIVIDER 1	[532] = 1.0000	f.....DESTINATION TAG	[259] = 197
f.....DIVIDER 2	[533] = 1.0000	f.....SCALED INPUT	[391] = 0.00 %
f.....LIMIT	[553] = 100.00 %	f.....ANIN 4 (F3)	
f.....ERROR O/P	[500] = 0.00 %	f.....CALIBRATION	[261] = 100.00 %
f.....PROFILER		f.....OFFSET	[361] = 0.00 %
f.....MODE	[541] = 0	f.....MAX VALUE	[262] = 100.00 %
f.....MIN PROFILE GAIN	[540] = 0.00 %	f.....MIN VALUE	[263] = -100.00 %
f.....PROFIED GAIN	[548] = 0.0	f.....DESTINATION TAG	[264] = 0
f.....PROFILE INPUT	[554] = 0.00 %	f.....SCALED INPUT	[392] = 0.00 %
f.....PROFILE MININPUT	[555] = 0.00 %	f.....ANIN 5 (F4)	
f.....OUTPUT	[546] = 0.00 %	f.....CALIBRATION	[266] = 100.00 %
f.....CLAMPED	[544] = TRUE	f.....OFFSET	[362] = 0.00 %
.....PRESET		f.....MAX VALUE	[267] = 100.00 %
.....SELECT 1	[92] = FALSE	f.....MIN VALUE	[268] = -100.00 %
.....SELECT 2	[93] = FALSE	f.....DESTINATION TAG	[269] = 0
.....SELECT 3	[94] = FALSE	f.....SCALED INPUT	[393] = 0.00 %
.....SIGN	[109] = NEG	f.....ANALOG OUTPUTS	
.....INPUT 1	[95] = 0.00 %	f.....ANOUT 1 (C5)	
.....INPUT 2	[96] = 25.00 %	f.....% TO GET 10V	[272] = 100.00 %
.....INPUT 3	[97] = 50.00 %	f.....OFFSET	[332] = 0.00 %
.....INPUT 4	[98] = 100.00 %	f.....CALIBRATION	[330] = 100.00 %

f.....MODULUS	[335] = FALSE	f.....LINK 12 SOURCE	[574] = 0
f.....ANOUT 1	[354] = 0.00 %	f.....LINK 12 DEST	[575] = 0
f.....SOURCE TAG	[273] = 7	f.....LINK 13 SOURCE	[576] = 0
f.....ANOUT 2 (F5)		f.....LINK 13 DEST	[577] = 0
f.....% TO GET 10V	[275] = 150.00 %	f.....LINK 14 SOURCE	[578] = 0
f.....OFFSET	[333] = 0.00 %	f.....LINK 14 DEST	[579] = 0
f.....CALIBRATION	[331] = 100.00 %	f.....LINK 15 SOURCE	[580] = 0
f.....MODULUS	[336] = FALSE	f.....LINK 15 DEST	[581] = 0
f.....ANOUT 2	[355] = 0.00 %	f.....LINK 16 SOURCE	[582] = 0
f.....SOURCE TAG	[276] = 9	f.....LINK 16 DEST	[583] = 0
f.....DIGITAL INPUTS		h.....RESERVED	
f.....DIGIN 1 (E2)		h.....SSD USE ONLY	
f.....VALUE FOR TRUE	[279] = 0.01 %	h.....DO NOT ALTER !!	
f.....VALUE FOR FALSE	[280] = 0.00 %	h.....Id Iq LOOPS	
f.....OUTPUT	[527] = 0.00 %	h.....Id PROP GAIN	[401] = 2
f.....DESTINATION TAG	[281] = 57	h.....Id INT GAIN	[402] = 500
f.....DIGIN 2 (E3)		h.....MAX Id DEMAND	[403] = 7500
f.....VALUE FOR TRUE	[283] = 0.01 %	h.....MIN Id DEMAND	[404] = -2000
f.....VALUE FOR FALSE	[284] = 0.00 %	h.....MAX Id INTEGRAL	[405] = 7500
f.....OUTPUT	[528] = 0.00 %	h.....MIN Id INTEGRAL	[406] = -2000
f.....DESTINATION TAG	[285] = 92	h.....Iq INT GAIN	[407] = 10000
f.....DIGIN 3 (E4)		h.....MAX Iq INTEGRAL	[408] = 4000
f.....VALUE FOR TRUE	[287] = 0.01 %	h.....MIN Iq INTEGRAL	[409] = -4000
f.....VALUE FOR FALSE	[288] = 0.00 %	h.....MAX Id HI WORD	[415] = 0
f.....OUTPUT	[529] = 0.00 %	h.....MIN Id HI WORD	[416] = -1
f.....DESTINATION TAG	[289] = 93	h.....MISCELLANEOUS	
f.....DIGIN 4 (E5)		h.....584S CHASSIS	[169] = TRUE
f.....VALUE FOR TRUE	[523] = 0.01 %	h.....BYPASS PASSWORD	[69] = FALSE
f.....VALUE FOR FALSE	[524] = 0.00 %	h.....SKIP CO-PRO INIT	[154] = FALSE
f.....OUTPUT	[508] = 0.00 %	h.....BRAKE THRESHOLD	[411] = 936
f.....DESTINATION TAG	[525] = 94	h.....MODN INDEX	[412] = 9000
f.....DIGIN 4 (E5)	[521] = FALSE	h.....AD POS THRESHOLD	[413] = 6
f.....DIGIN B6 DEST	[451] = 71	h.....AD NEG THRESHOLD	[414] = 6
f.....DIGIN B7 DEST	[450] = 70	h.....DRIVE STATUS	[168] = FALSE
f.....DIGIN B8 DEST	[452] = 72	h.....DRIVE RATING RMS	[133] = 9.4 AMPS
f.....DIGITAL OUTPUTS		h.....MID VOLTS	[151] = TRUE
f.....DIGOUT 1		h.....CHASSIS TYPE	[152] = 584
f.....THRESHOLD (>)	[292] = 0.00 %	h.....RESET VEC VARS	[167] = FALSE
f.....INPUT	[324] = 0.00 %	h.....RESET EAT	[155] = FALSE
f.....OFFSET	[321] = 0.00 %	h.....MIN MMI CYCLE TM	[313] = 200
f.....MODULUS	[293] = FALSE	h.....MAX MMI CYCLE TM	[314] = 4000
f.....INVERT	[327] = FALSE	h.....CYCLE TIME	[315] = 8000
f.....SOURCE TAG	[294] = 17	h.....SYS TIME	[351] = 0x0AEF
f.....DIGOUT 2		h.....ENCODER COUNTER	[77] = 0
f.....THRESHOLD (>)	[296] = 0.00 %	h.....SPD.FBK. TC	[319] = 0.010 SECS
f.....INPUT	[325] = 0.00 %	h.....TORQUE.FBK.TC	[320] = 0.010 SECS
f.....OFFSET	[322] = 0.00 %	h.....P3 TAG LIST TC	[318] = 0.010 SECS
f.....MODULUS	[297] = FALSE	h.....IFB ADJUST	[495] = 115.0 %
f.....INVERT	[328] = FALSE	h.....TOTAL TRIP COUNT	[624] = 0x0000
f.....SOURCE TAG	[298] = 12	h.....SYSTEM RESET	[64] = FALSE
f.....DIGOUT 3		h.....TEST FUNCTIONS	
f.....THRESHOLD (>)	[300] = 0.00 %	h.....SELECT FUNCTION	[418] = 0
f.....INPUT	[326] = 0.00 %	h.....SPEED PERIOD	[419] = 1000
f.....OFFSET	[323] = 0.00 %	h.....SPEED AMPLITUDE	[420] = 500
f.....MODULUS	[301] = TRUE	h.....SPEED OFFSET	[421] = 0
f.....INVERT	[329] = FALSE	h.....CURRENT PERIOD	[422] = 40
f.....SOURCE TAG	[302] = 559	h.....CURR AMPLITUDE	[423] = 200
f.....CONFIGURE 5703		h.....CURRENT OFFSET	[424] = 0
f.....SOURCE TAG	[304] = 176	h.....TRACE	
f.....DESTINATION TAG	[305] = 371	h.....TRACE MODE	[426] = 1
f.....BLOCK DIAGRAM		h.....PRESET COUNT	[427] = 0
f.....RAISE/LOWER DEST	[307] = 0	h.....NO OF PASSES	[428] = 1
f.....RAMP O/P DEST	[308] = 372	h.....TRACE 16 ITEMS	[429] = FALSE
f.....PRESET DEST	[111] = 373	h.....TRACE ADDRESS 1	[430] = 0x00AC
f.....S-RAMP DEST	[103] = 0	h.....TRACE ADDRESS 2	[431] = 0x0068
f.....HOME DEST	[389] = 0	h.....TRACE ADDRESS 3	[432] = 0x00A4
f.....SPT SUM1 OP DEST	[345] = 58	h.....TRACE ADDRESS 4	[433] = 0x0066
f.....SPT SUM2 OP DEST	[346] = 176	h.....TRACE ADDRESS 5	[434] = 0x00AA
f.....SPT SUM3 OP DEST	[347] = 0	h.....TRACE ADDRESS 6	[435] = 0x00B4
f.....PID O/P DEST	[552] = 0	h.....TRACE ADDRESS 7	[436] = 0x00A6
f.....PID ERROR DEST	[556] = 545	h.....TRACE ADDRESS 8	[437] = 0x00B2
f.....POSITION DEST	[341] = 0	h.....TRACE ADDRESS 9	[438] = 0x00BE
f.....INTERNAL LINKS		h.....TRACE ADDRESS 10	[439] = 0xF450
f.....LINK 1 SOURCE	[180] = 0	h.....TRACE ADDRESS 11	[440] = 0x00B6
f.....LINK 1 DEST	[181] = 0	h.....TRACE ADDRESS 12	[441] = 0xF452
f.....LINK 2 SOURCE	[182] = 0	h.....TRACE ADDRESS 13	[442] = 0xF44E
f.....LINK 2 DEST	[183] = 0	h.....TRACE ADDRESS 14	[443] = 0x0086
f.....LINK 3 SOURCE	[184] = 0	h.....TRACE ADDRESS 15	[444] = 0xDD46
f.....LINK 3 DEST	[185] = 0	h.....TRACE ADDRESS 16	[445] = 0x00B0
f.....LINK 4 SOURCE	[186] = 0	h.....FIELD WK VARS	
f.....LINK 4 DEST	[187] = 0	h.....MAG I SCALE 0	[454] = 100.0 %
f.....LINK 5 SOURCE	[560] = 0	h.....MAG I SCALE 1	[455] = 77.0 %
f.....LINK 5 DEST	[561] = 0	h.....MAG I SCALE 2	[456] = 63.0 %
f.....LINK 6 SOURCE	[562] = 0	h.....MAG I SCALE 3	[457] = 50.0 %
f.....LINK 6 DEST	[563] = 0	h.....MAG I SCALE 4	[586] = 40.0 %
f.....LINK 7 SOURCE	[564] = 0	h.....MAG I SCALE 5	[459] = 35.0 %
f.....LINK 7 DEST	[565] = 0	h.....MAG I SCALE 6	[460] = 30.0 %
f.....LINK 8 SOURCE	[566] = 0	h.....MAG I SCALE 7	[461] = 25.0 %
f.....LINK 8 DEST	[567] = 0	h.....MAG I SCALE 8	[462] = 20.0 %
f.....LINK 9 SOURCE	[568] = 0	h.....MAG I SCALE 9	[630] = 11.1 %
f.....LINK 9 DEST	[569] = 0	h.....TR SCALE 0	[587] = 100.0 %
f.....LINK 10 SOURCE	[570] = 0	h.....TR SCALE 1	[588] = 100.0 %
f.....LINK 10 DEST	[571] = 0	h.....TR SCALE 2	[589] = 100.0 %
f.....LINK 11 SOURCE	[572] = 0	h.....TR SCALE 3	[590] = 100.0 %
f.....LINK 11 DEST	[573] = 0	h.....TR SCALE 4	[591] = 100.0 %

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h.....TR SCALE 5      [592] =    100.0 %
h.....TR SCALE 6      [593] =    100.0 %
h.....TR SCALE 7      [594] =    100.0 %
h.....TR SCALE 8      [595] =    100.0 %
h.....TR SCALE 9      [631] =    100.0 %
h.....AUTOTUNE MISC
h.....KIMR_INT        [487] =      1000
h.....AUTO RAMP INCRMT [488] =         2
h.....LINK V FILT GAIN [489] =      500
h.....TERM V FILT GAIN [490] =      500
h.....TERM V FLTGN DSP [491] =        50
h.....AUTOCAL MAX RPM  [492] =         0 RPM
h.....LOAD FACTOR @BS  [493] =     95.0 %
h.....LOAD FACTOR @2BS [494] =     90.0 %
h.....MIN LINK V RATIO [628] =     85.00 %
h.....TERM V CONTROL
h.....% LOAD @BASE SPD [614] =      5.00 %
h.....TVolts INT RANGE [615] =     50.00 %
h.....SPD @ TV INT =0  [616] =     50.00 %
h.....IQ @TV INTGN=MIN [617] =     100.0 %
h.....IQ @TV INTGN=MAX [618] =     200.0 %
h.....LOOP RESPNSE=nTr [619] =        20
h.....FAST RESPONSE %  [620] =    102.50 %
h.....DIAGNOSTICS RESD
h.....SLIP FREQUENCY   [625] =         0.00 Hz
h.....RUN SLIP F DIAG  [627] = FALSE
f.....PEEK
f.....PEEK DATA       [349] = [0xC000] = 0000
f.....PEEK SCALE       [350] =    100.00 %
.....CO-PROCESSOR
.....COPROTAG[0]       [463] =      0.00 %
.....COPROTAG[1]       [464] =      0.00 %
.....COPROTAG[2]       [465] =      0.00 %
.....COPROTAG[3]       [466] =      0.00 %
.....COPROTAG[4]       [467] =      0.00 %
.....COPROTAG[5]       [468] =      0.00 %
.....COPROTAG[6]       [469] =      0.00 %
.....COPROTAG[7]       [470] =      0.00 %
.....COPROTAG[8]       [471] =      0.00 %
.....COPROTAG[9]       [472] =      0.00 %
.....COPROTAG[10]      [473] = FALSE
.....COPROTAG[11]      [474] = FALSE
.....COPROTAG[12]      [475] = FALSE
.....COPROTAG[13]      [476] = FALSE
.....COPROTAG[14]      [477] = FALSE
.....COPROTAG[15]      [478] = FALSE
.....PARAMETER SAVE   [208] = UP TO ACTION
.....SAVE (U/D)
.....CONFIGURE DRIVE
.....ENCODER LINES     [131] =      2048
.....MAX SPEED RPM     [130] =     1500 RPM
.....BASE FREQUENCY    [448] =      50.0 Hz
.....MOTOR VOLTS       [486] =      415 VOLTS
.....MOTOR RATING RMS  [134] =       1.0 AMPS
.....NO.OF POLES       [399] =         4
.....NAMEPLATE RPM     [135] =     1440 RPM
.....MAG CURRENT %     [453] =     30.00 %
.....ROTOR TIME CONST  [458] =     100.0 mSECS
.....ENCODER SIGN      [164] = NEG
.....MAIN TORQUE LIM.  [159] =     100.00 %
.....AUTOTUNE FLAG     [482] = FALSE
.....SPD. PROP. GAIN    [161] =      10.00
.....SPD. INT. TIME    [162] =      100 mSECS

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NOTES:

* Parameter is not at factory default.
 f Menu is only visible with FULL MENU = TRUE.
 h Menu is hidden and is for engineering use only.

APPENDIX D - TAGS BY NUMBER

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
0	SYSTEM::SOFTWARE::RELEASE	Data	4	RW	2.1 to 2.1	2.1	1	0
1		Data	2	RW	0.00 % to 655.35 %	0.00%	0	0
2	VECTOR DRIVE	Menu						
3		Menu						
4	MENU LEVEL	Menu						
5	DIAGNOSTICS	Menu						
6	DIAGNOSTICS::TOTAL SPD.LMD.	Diagnostic						
7	DIAGNOSTICS::SPEED FB UNFIL.	Diagnostic						
8	DIAGNOSTICS::SPEED ERROR	Diagnostic						
9	DIAGNOSTICS::TORQUE DEMAND	Diagnostic						
10	DIAGNOSTICS::TORQUE FEEDBACK	Diagnostic						
11	DIAGNOSTICS::SPEED FEEDBACK	Diagnostic						
12	DIAGNOSTICS::HEALTH OUTPUT	Diagnostic						
13	DIAGNOSTICS::ACTUAL POS I LIM	Diagnostic						
14	DIAGNOSTICS::ACTUAL NEG I LIM	Diagnostic						
15	DIAGNOSTICS::INVERSE TIME O/P	Diagnostic						
16	DIAGNOSTICS::AT CURRENT LIMIT	Diagnostic						
17	DIAGNOSTICS::AT ZERO SPEED	Diagnostic						
18	DIAGNOSTICS::AT ZERO SETPOINT	Diagnostic						
19	DIAGNOSTICS::AT STANDSTILL	Diagnostic						
20	DIAGNOSTICS::STALL TRIP	Diagnostic						
21	DIAGNOSTICS::RAMPING	Diagnostic						
22	DIAGNOSTICS::PROGRAM STOP	Diagnostic						
23	DIAGNOSTICS::DRIVE START	Diagnostic						
24	DIAGNOSTICS::DRIVE ENABLE	Diagnostic						
25	DIAGNOSTICS::OPERATING MODE	Diagnostic						
26	DIAGNOSTICS::COAST STOP	Diagnostic						
27	DIAGNOSTICS::HEALTHY	Diagnostic						
28	DIAGNOSTICS::RUN	Diagnostic						
29	DIAGNOSTICS::ANIN 1 (C3)	Diagnostic						
30	RESERVED	Diagnostic						
31	DIAGNOSTICS::ANIN 3 (F2)	Diagnostic						
32	DIAGNOSTICS::ANIN 4 (F3)	Diagnostic						
33	DIAGNOSTICS::ANIN 5 (F4)	Diagnostic						
34	DIAGNOSTICS::ANOUT 1 (C5)	Diagnostic						
35	DIAGNOSTICS::ANOUT 2 (F5)	Diagnostic						
36	DIAGNOSTICS::DIGIN B7 START	Diagnostic						
37	DIAGNOSTICS::DIGIN B6 JOG	Diagnostic						
38	DIAGNOSTICS::DIGIN B8 ENABLE	Diagnostic						
39	DIAGNOSTICS::DIGIN 1 (E2)	Diagnostic						
40	DIAGNOSTICS::DIGIN 2 (E3)	Diagnostic						
41	DIAGNOSTICS::DIGIN 3 (E4)	Diagnostic						
42	DIAGNOSTICS::DIGOUT 1 (B6)	Diagnostic						
43	DIAGNOSTICS::DIGOUT 2 (E7)	Diagnostic						
44	DIAGNOSTICS::DIGOUT 3 (E8)	Diagnostic						
45	DIAGNOSTICS::RAISE/LOWER O/P	Diagnostic						
46	DIAGNOSTICS::SPT SUM O/P 1	Diagnostic						
47	DIAGNOSTICS::RAMP OUTPUT	Diagnostic						
48	DIAGNOSTICS::SPEED SETPOINT	Diagnostic						

49	DIAGNOSTICS::SEQ RUN INPUT	Diagnostic						
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Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
50	DIAGNOSTICS::SEQ OUTPUT	Diagnostic						
51	DIAGNOSTICS::ENCODER	Diagnostic						
52	SETUP PARAMETERS	Menu						
53	SETUP PARAMETERS::RAMES	Menu						
54	SETUP PARAMETERS::RAMES::RAMP ACCEL TIME	Data	1	RW	0.0 SECS to 600.0 SECS	10.0 SECS	1	0
55	SETUP PARAMETERS::RAMES::RAMP DECEL TIME	Data	1	RW	0.0 SECS to 600.0 SECS	10.0 SECS	1	0
56	SETUP PARAMETERS::RAMES::RAMP QUENCH	Data	0	RW	FALSE / TRUE /	FALSE	1	0
57	SETUP PARAMETERS::RAMES::RAMP HOLD	Data	0	RW	FALSE / TRUE /	FALSE	1	0
58	SETUP PARAMETERS::RAMES::RAMP INPUT	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
59	SETUP PARAMETERS::RAMES::% S-RAMP	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
60	SETUP PARAMETERS::RAMES::RAMPING THRESH.	Data	2	RW	0.00 % to 100.00 %	1.00%	1	0
61	SETUP PARAMETERS::RAMES::AUTO RESET	Data	0	RW	FALSE / TRUE /	TRUE	1	0
62	SETUP PARAMETERS::RAMES::EXTERNAL RESET	Data	0	RW	FALSE / TRUE /	FALSE	1	0
63	SETUP PARAMETERS::RAMES::RESET VALUE	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
64	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::SYSTEM RESET	Data	0	RO	FALSE / TRUE /	FALSE	1	0
65	SETUP PARAMETERS::AUX I/O	Menu						
66	SETUP PARAMETERS::AUX I/O::AUX START	Data	0	RW	FALSE / TRUE /	TRUE	1	0
67	SETUP PARAMETERS::AUX I/O::AUX JOG	Data	0	RW	FALSE / TRUE /	TRUE	1	0
68	SETUP PARAMETERS::AUX I/O::AUX ENABLE	Data	0	RW	FALSE / TRUE /	TRUE	1	0
69	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::BYPASS PASSWORD	Data	0	RW	FALSE / TRUE /	FALSE	1	0
70	SETUP PARAMETERS::AUX I/O::START	Data	0	RW	FALSE / TRUE /	FALSE	1	0
71	SETUP PARAMETERS::AUX I/O::JOG INPUT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
72	SETUP PARAMETERS::AUX I/O::ENABLE	Data	0	RW	FALSE / TRUE /	FALSE	1	0
73		Data	2	RW	0.01 SECS to 60.00 SECS	0.10 SECS	1	0
74	SETUP PARAMETERS::JOG	Menu						
75	SETUP PARAMETERS::JOG::JOG SPEED 1	Data	2	RW	-100.00 % to 100.00 %	10.00%	1	0
76	SETUP PARAMETERS::JOG::JOG SPEED 2	Data	2	RW	-100.00 % to 100.00 %	-10.00%	1	0
77	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::ENCODER COUNTER	Data	0	RO	-10000 to 10000	0	1	0
78	DIAGNOSTICS::CURRENT FEEDBACK	Diagnostic						
79	JOG RAMP INPUT	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
80	SETUP PARAMETERS::JOG::MODE	Data	0	RW	FALSE / TRUE /	FALSE	1	0
81	SETUP PARAMETERS::RAISE/LOWER	Menu						
82	SETUP PARAMETERS::RAISE/LOWER::RESET VALUE	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
83	SETUP PARAMETERS::RAISE/LOWER::RAMP RATE	Data	1	RW	0.1 SECS to 600.0 SECS	60.0 SECS	1	0
84		Data	0	RW	FALSE / TRUE /	TRUE	0	0
85	SETUP PARAMETERS::RAISE/LOWER::RAISE INPUT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
86	SETUP PARAMETERS::RAISE/LOWER::LOWER INPUT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
87	SETUP PARAMETERS::RAISE/LOWER::MIN VALUE	Data	2	RW	-300.00 % to 300.00 %	-100.00%	1	0
88	SETUP PARAMETERS::RAISE/LOWER::MAX VALUE	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
89	SETUP PARAMETERS::RAISE/LOWER::EXTERNAL RESET	Data	0	RW	FALSE / TRUE /	FALSE	1	0
90	CONFIGURE DRIVE	Menu						
91	SETUP PARAMETERS::PRESET	Menu						
92	SETUP PARAMETERS::PRESET::SELECT 1	Data	2	RW	FALSE / TRUE /	FALSE	1	0
93	SETUP PARAMETERS::PRESET::SELECT 2	Data	2	RW	FALSE / TRUE /	FALSE	1	0
94	SETUP PARAMETERS::PRESET::SELECT 3	Data	2	RW	FALSE / TRUE /	FALSE	1	0
95	SETUP PARAMETERS::PRESET::INPUT 1	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
96	SETUP PARAMETERS::PRESET::INPUT 2	Data	2	RW	-300.00 % to 300.00 %	25.00%	1	0
97	SETUP PARAMETERS::PRESET::INPUT 3	Data	2	RW	-300.00 % to 300.00 %	50.00%	1	0
98	SETUP PARAMETERS::PRESET::INPUT 4	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
99	SETUP PARAMETERS::PRESET::INPUT 5	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0

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Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
100	SETUP PARAMETERS::PRESET::INPUT 6	Data	2	RW	-300.00 % to 300.00 %	-25.00%	1	0
101	SETUP PARAMETERS::PRESET::INPUT 7	Data	2	RW	-300.00 % to 300.00 %	-50.00%	1	0
102	SETUP PARAMETERS::PRESET::INPUT 8	Data	2	RW	-300.00 % to 300.00 %	-100.00%	1	0
103	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::S-RAMP DEST	Data	0	RW	0 to 700	0	1	1
104	SETUP PARAMETERS::S-RAMP::RESET	Data	2	RW	FALSE / TRUE /	FALSE	1	0
105	SETUP PARAMETERS::S-RAMP::RESET VALUE	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
106	SETUP PARAMETERS::S-RAMP::ACCELERATION	Data	2	RW	0.00 to 100.00	10	1	0
107	SETUP PARAMETERS::S-RAMP::JERK	Data	2	RW	0.00 to 100.00	10	1	0
108	SETUP PARAMETERS::S-RAMP::QUENCH	Data	0	RW	FALSE / TRUE /	FALSE	1	0
109	SETUP PARAMETERS::PRESET::SIGN	Data	0	RW	NEG / POS /	NEG	1	0
110	DIAGNOSTICS::PRESET O/P	Diagnostic						
111	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::PRESET DEST	Data	0	RW	0 to 700	373	1	1
112	SETUP PARAMETERS::STOP RATES::CONTACTOR DELAY	Data	1	RW	0.0 SECS to 1000.0 SECS	0.5 SECS	1	0
113	SETUP PARAMETERS::JOG::JOG ACCEL RATE	Data	1	RW	0.0 SECS to 100.0 SECS	10.0 SECS	1	0
114	SETUP PARAMETERS::JOG::JOG DECEL RATE	Data	1	RW	0.0 SECS to 100.0 SECS	10.0 SECS	1	0
115	SETUP PARAMETERS::INVERSE TIME	Menu						
116	SETUP PARAMETERS::INVERSE TIME::AIMING POINT	Data	2	RW	0.00 % to 150.00 %	105.00%	1	0
117	SETUP PARAMETERS::INVERSE TIME::DELAY	Data	1	RW	0.0 SECS to 1000.0 SECS	60.0 SECS	1	0
118	SETUP PARAMETERS::INVERSE TIME::DOWN RATE	Data	1	RW	0.0 SECS to 600.0 SECS	10.0 SECS	1	0
119	SETUP PARAMETERS::STOP RATES	Menu						
120	SETUP PARAMETERS::STOP RATES::RUN STOP TIME	Data	1	RW	0.0 SECS to 1000.0 SECS	10.0 SECS	1	0
121	SETUP PARAMETERS::STOP RATES::RUN STOP LIMIT	Data	1	RW	0.0 SECS to 1000.0 SECS	60.0 SECS	1	0
122	SETUP PARAMETERS::STOP RATES::PRE-START DELAY	Data	3	RW	0.000 SECS to 30.000 SECS	0.500 SECS	1	0
123	SETUP PARAMETERS::STOP RATES::FAST STOP TIME	Data	1	RW	0.0 SECS to 1000.0 SECS	1.0 SECS	1	0
124	SETUP PARAMETERS::STOP RATES::FAST STOP LIMIT	Data	1	RW	0.0 SECS to 1000.0 SECS	60.0 SECS	1	0
125	SETUP PARAMETERS::STOP RATES::USE SYSTEM RAMP	Data	0	RW	FALSE / TRUE /	TRUE	1	0
126	SETUP PARAMETERS::STOP RATES::STOP ZERO SPEED	Data	2	RW	0.00 % to 100.00 %	1.00%	1	0
127	SETUP PARAMETERS::CALIBRATION	Menu						
128	SETUP PARAMETERS::ALARMS::MOTOR TMP.TRIP	Data	2	RW	0.00 % to 200.00 %	75.00%	1	0
129	SETUP PARAMETERS::ALARMS::HEAT SINK LEVEL	Data	2	RW	0.00 % to 200.00 %	17.00%	1	0
130	SETUP PARAMETERS::CALIBRATION::MAX SPEED REM	Data	0	RW	0 REM to 32000 REM	1500 REM	1	0
131	SETUP PARAMETERS::CALIBRATION::ENCODER LINES	Data	0	RW	0 to 8000	2048	0	1
132	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::ZERO SPD HYST	Data	2	RW	0.00 % to 100.00 %	0.10%	1	0
133	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::DRIVE RATING RMS	Data	1	RO	0.1 AMPS to 3000.0 AMPS	3000.0 AMPS	1	0
134	SETUP PARAMETERS::CALIBRATION::MOTOR RATING RMS	Data	1	RW	0.1 AMPS to 3000.0 AMPS	1.0 AMPS	1	1
135	SETUP PARAMETERS::CALIBRATION::NOMINATE REM	Data	0	RW	0 REM to 32000 REM	1440 REM	1	1
136	SETUP PARAMETERS::ALARMS::STALL TORQUE	Data	2	RW	0.00 % to 200.00 %	100.00%	1	0
137	SETUP PARAMETERS::ALARMS::STALL DELAY	Data	2	RW	0.00 to 300.00	100	1	0
138	SETUP PARAMETERS::ALARMS::STALL SPEED	Data	2	RW	0.00 % to 200.00 %	100.00%	1	0
139	SETUP PARAMETERS::ALARMS::OVER SPEED LEVEL	Data	2	RW	0.00 % to 200.00 %	120.00%	0	1
140	SETUP PARAMETERS::ALARMS	Menu						
141	SETUP PARAMETERS::ALARMS::MOTOR TMP	Data	2	RO	-200.00 % to 200.00 %	0.00%	1	0
142	SETUP PARAMETERS::ALARMS::5703 RCV.INHIBIT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
143	SETUP PARAMETERS::ALARMS::STALL INHIBIT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
144	SETUP PARAMETERS::ALARMS::EXTERNAL TRIP	Data	0	RW	FALSE / TRUE /	FALSE	1	0
145	SETUP PARAMETERS::ALARMS::OVER SPD INHIBIT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
146	SETUP PARAMETERS::ALARMS::MOTOR TMP.INHIBIT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
147	SETUP PARAMETERS::TORQUE LOOP	Menu						
148	SETUP PARAMETERS::INVERSE TIME::UP RATE	Data	1	RW	0.0 SECS to 600.0 SECS	120.0 SECS	1	0
149	SETUP PARAMETERS::TORQUE LOOP::1 / GAIN	Data	0	RW	0 to 255	70	1	1

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
150	DIAGNOSTICS::CO-PRO PRESENT	Diagnostic						
151	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::MID VOLTS	Data	0	RO	FALSE / TRUE /	TRUE	1	0
152	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::CHASSIS TYPE	Data	0	RO	584 to 587	584	1	0
153	SETUP PARAMETERS::TORQUE LOOP::SMETRIC TO LIM.	Data	0	RW	FALSE / TRUE /	TRUE	1	0
154	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::SKIP CO-PRO INIT	Data	0	RW	FALSE / TRUE /	FALSE	0	0
155	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::RESET EAT	Data	0	RW	FALSE / TRUE /	FALSE	0	1
156	SET DRIVE RATING	Data	0	RO	0.75 kW 380-460v / 1.1 kW 380-460v / 1.5 kW 380-460v / 2.2 kW 380-460v / 4.0 kW 380-460v / 5.5 kW 380-460v / 7.5 kW 380-460v / 11 kW 380-460v / 15 kW 380-460v / 18.5 kW 380-460v / 22 kW 380-460v / 30 kW 380-460v / 37 kW 380-460v / 45 kW 380-460v / 55 kW 3	0.75 kW 208-240v	0	1
157	SETUP PARAMETERS::TORQUE LOOP::POS TORQUE LIMIT	Data	2	RW	-150.00 % to 150.00 %	150.00%	1	0
158	SETUP PARAMETERS::TORQUE LOOP::NEG TORQUE LIMIT	Data	2	RW	-150.00 % to 150.00 %	-150.00%	1	0
159	SETUP PARAMETERS::TORQUE LOOP::MAIN TORQUE LIM.	Data	2	RW	0.00 % to 150.00 %	100.00%	1	0
160	SETUP PARAMETERS::SPEED LOOP	Menu						
161	SETUP PARAMETERS::SPEED LOOP::SED. PROP. GAIN	Data	2	RW	0.00 to 250.00	10	1	0
162	SETUP PARAMETERS::SPEED LOOP::SED. INT. TIME	Data	0	RW	1 mSBCS to 30000 mSBCS	100 mSBCS	1	0
163	SETUP PARAMETERS::SPEED LOOP::INT. DEPEAT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
164	SETUP PARAMETERS::SPEED LOOP::ENCODER SIGN	Data	0	RW	NEG / POS /	NEG	0	1
165	SETUP PARAMETERS::SPEED LOOP::SPEED FPK FILTER	Data	0	RW	FALSE / TRUE /	TRUE	0	1
166	SETUP PARAMETERS::ALARMS::ACK ALARM	Data	0	RW	FALSE / TRUE /	FALSE	0	0
167	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::RESET VEC VARS	Data	0	RW	FALSE / TRUE /	TRUE	0	0
168	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::DRIVE STATUS	Diagnostic						
169	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::584S CHASSIS	Data	0	RW	FALSE / TRUE /	TRUE	0	1
170	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS	Menu						
171	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::DIRECT SPT1	Data	2	RO	-110.00 % to 110.00 %	0.00%	0	0
172	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::DIRECT RATIO	Data	4	RW	-1.0000 to 1.0000	0.1	1	0
173	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::DIRECT SPT. MAX	Data	2	RW	0.00 % to 100.00 %	100.00%	1	0
174	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::DIRECT SPT. MIN	Data	2	RW	-100.00 % to 0.00 %	-100.00%	1	0
175	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::DIRECT ENABLE	Data	0	RW	FALSE / TRUE /	FALSE	1	0
176	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::MAIN SED.SPT.	Data	2	RW	-110.00 % to 110.00 %	0.00%	1	0
177	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::MAX SPEED	Data	2	RW	0.00 % to 110.00 %	100.00%	1	0
178	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::MIN SPEED	Data	2	RW	-110.00 % to 0.00 %	-100.00%	1	0
179	SYSTEM::CONFIGURE I/O::INTERNAL LINKS	Menu						
180	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 1 SOURCE	Data	0	RW	0 to 700	0	1	1
181	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 1 DEST	Data	0	RW	0 to 700	0	1	1
182	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 2 SOURCE	Data	0	RW	0 to 700	0	1	1
183	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 2 DEST	Data	0	RW	0 to 700	0	1	1
184	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 3 SOURCE	Data	0	RW	0 to 700	0	1	1
185	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 3 DEST	Data	0	RW	0 to 700	0	1	1
186	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 4 SOURCE	Data	0	RW	0 to 700	0	1	1
187	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 4 DEST	Data	0	RW	0 to 700	0	1	1
188	SETUP PARAMETERS::SETPPOINT SUM 1	Menu						
189	SETUP PARAMETERS::SETPPOINT SUM 1::RATIO 0	Data	4	RW	-3.0000 to 3.0000	1	1	0
190	SETUP PARAMETERS::SETPPOINT SUM 1::RATIO 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
191	SETUP PARAMETERS::SETPPOINT SUM 1::SIGN 0	Data	0	RW	NEG / POS /	POS	1	0
192	SETUP PARAMETERS::SETPPOINT SUM 1::SIGN 1	Data	0	RW	NEG / POS /	POS	1	0
193	SETUP PARAMETERS::SETPPOINT SUM 1::DIVIDER 0	Data	4	RW	-3.0000 to 3.0000	1	1	0
194	SETUP PARAMETERS::SETPPOINT SUM 1::DIVIDER 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
195	SETUP PARAMETERS::SETPPOINT SUM 1::LIMIT	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
196	SETUP PARAMETERS::SETPPOINT SUM 1::INPUT 0	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
197	SETUP PARAMETERS::SETPPOINT SUM 1::INPUT 1	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0

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198	SETUP PARAMETERS::SETPOINT SUM 1::INPUT 2	Data	2	FW	-100.00 % to 100.00 %	0.00%	1	0
199	PASSWORD	Menu						

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
200	PASSWORD::ENTER PASSWORD	Data	0	RW	0x0000 to 0xFFFF	0x0000	1	0
201	PASSWORD::CHANGE PASSWORD	Data	0	RW	0x0000 to 0xFFFF	0x0000	1	0
202	ALARM STATUS	Menu						
203	ALARM STATUS::HEALTH STORE	Data	0	RO	0x0000 to 0xFFFF	0x0000	0	0
204	MENUS	Menu						
205	MENUS::FULL MENUS	Data	0	RW	FALSE / TRUE /	FALSE	0	0
206	MENUS::MENU DELAY	Data	0	RW	0 to 10000	0	0	0
207	MENUS::DMDA DELAY	Data	0	RW	20 to 10000	50	0	0
208	PARAMETER SAVE	Data	2	RW	UP TO ACTION / WORKING /	UP TO ACTION	1	0
209	PARAMETER SAVE::SAVE (U/D)	Menu						
210	SERIAL LINKS	Menu						
211	SERIAL LINKS::P3 TAG LIST	Menu						
212	SERIAL LINKS::P3 TAG LIST::TAG 1	Data	0	RW	0 to 700	7	1	0
213	SERIAL LINKS::P3 TAG LIST::TAG 2	Data	0	RW	0 to 700	0	1	0
214	SERIAL LINKS::P3 TAG LIST::TAG 3	Data	0	RW	0 to 700	0	1	0
215	SERIAL LINKS::P3 TAG LIST::TAG 4	Data	0	RW	0 to 700	0	1	0
216	SERIAL LINKS::P3 TAG LIST::TAG 5	Data	0	RW	0 to 700	0	1	0
217	ALARM STATUS::HEALTH WORD	Data	0	RO	0x0000 to 0xFFFF	0x0000	0	0
218	ALARM STATUS::FIRST ALARM	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	0
219	ALARM STATUS::HEALTH INHIBIT	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	0
220	MENUS::CONTRAST	Data	0	RW	0 to 255	128	0	0
221	SERIAL LINKS::MEMORY DUMP	Data	0	RW	FALSE / TRUE /	FALSE	1	0
222	SRL LINK ENHLE	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
223	GROUP ID (GID)	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
224	UNIT ID (UID)	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
225	ASCII / BINARY	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
226	BAUD RATE	Data	2	RW	555.36 % to 100.00 %	0.00%	1	0
227	ESP SUP. (ASCII)	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
228	CHANGEBAND (BIN)	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
229	ERROR REPORT	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
230	END. 7	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
231	SYSTEM PORT (P3)	Menu						
232	SERIAL LINKS::5703 SUPPORT	Menu						
233	SERIAL LINKS::5703 SUPPORT::SEIPT. RATIO	Data	4	RW	-3.0000 to 3.0000	1	1	0
234	SERIAL LINKS::5703 SUPPORT::SEIPT. SIGN	Data	2	RW	NEG / POS /	NEG	1	0
235	SERIAL LINKS::5703 SUPPORT::SCALED INPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
236	SERIAL LINKS::5703 SUPPORT::OUTPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
237	SERIAL LINKS::P3 MODE	Data	0	RW	OPTION BOARD / 5703 MASTER / 5703 SLAVE / TAG LIST VI100 / TAG LIST NEWPORT / REMOTE MMI /	OPTION BOARD	0	0
238	SERIAL LINKS::DUMP MMI (TX)	Data	0	RW	UP TO ACTION / WORKING /	UP TO ACTION	1	0
239	SERIAL LINKS::UDP XPER (RX)	Data	2	RW	UP TO ACTION / WORKING /	UP TO ACTION	1	0
240	SERIAL LINKS::UDP XPER (TX)	Data	2	RW	UP TO ACTION / WORKING /	UP TO ACTION	1	0
241	SERIAL LINKS::P3 BAUD RATE	Data	0	RW	300 to 19200	9600	0	0
242	SYSTEM	Menu						
243	SYSTEM::SOFTWARE	Menu						
244	SYSTEM::CONFIGURE I/O	Menu						
245	SYSTEM::CONFIGURE I/O::CONFIGURE ENHLE	Data	0	RW	FALSE / TRUE /	FALSE	1	1
246	SYSTEM::CONFIGURE I/O::ANALOG INPUTS	Menu						
247	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 1 (C3)	Menu						
248	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 1 (C3)::CALIBRATION	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
249	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 1 (C3)::MAX VALUE	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
250	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 1 (C3)::MIN VALUE	Data	2	RW	-300.00 % to 300.00 %	-100.00%	1	0
251	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 1 (C3)::DESTINATION TAG	Data	0	RW	0 to 700	196	1	1
252	SETUP PARAMETERS::SPEED LOOP::SPEED SETPOINTS::ZERO SPEED LEVEL	Data	2	RW	0.00 % to 100.00 %	0.50%	1	0
253	SETUP PARAMETERS::S-RAMP::ACCEL O/P	Data	2	RO	0.00 to 150.00	10	1	0
254	SETUP PARAMETERS::S-RAMP::OVERSHOOT THRESH	Data	2	RW	0.00 % to 100.00 %	5.00%	1	0
255	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)	Menu						
256	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)::CALIBRATION	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
257	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)::MAX VALUE	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
258	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)::MIN VALUE	Data	2	RW	-300.00 % to 300.00 %	-100.00%	1	0
259	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)::DESTINATION TAG	Data	0	RW	0 to 700	197	1	1
260	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)	Menu						
261	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)::CALIBRATION	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
262	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)::MAX VALUE	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
263	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)::MIN VALUE	Data	2	RW	-300.00 % to 300.00 %	-100.00%	1	0
264	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)::DESTINATION TAG	Data	0	RW	0 to 700	0	1	1
265	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)	Menu						
266	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)::CALIBRATION	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
267	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)::MAX VALUE	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
268	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)::MIN VALUE	Data	2	RW	-300.00 % to 300.00 %	-100.00%	1	0
269	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)::DESTINATION TAG	Data	0	RW	0 to 700	0	1	1
270	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS	Menu						
271	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)	Menu						
272	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)::% TO GET 10V	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
273	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)::SOURCE TAG	Data	0	RW	0 to 10000	7	1	0
274	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)	Menu						
275	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)::% TO GET 10V	Data	2	RW	-300.00 % to 300.00 %	150.00%	1	0
276	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)::SOURCE TAG	Data	0	RW	0 to 10000	9	1	0
277	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS	Menu						
278	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 1 (E2)	Menu						
279	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 1 (E2)::VALUE FOR TRUE	Data	2	RW	-300.00 % to 300.00 %	0.01%	1	0
280	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 1 (E2)::VALUE FOR FALSE	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
281	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 1 (E2)::DESTINATION TAG	Data	0	RW	0 to 700	57	1	1
282	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 2 (E3)	Menu						
283	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 2 (E3)::VALUE FOR TRUE	Data	2	RW	-300.00 % to 300.00 %	0.01%	1	0
284	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 2 (E3)::VALUE FOR FALSE	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
285	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 2 (E3)::DESTINATION TAG	Data	0	RW	0 to 700	92	1	1
286	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 3 (E4)	Menu						
287	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 3 (E4)::VALUE FOR TRUE	Data	2	RW	-300.00 % to 300.00 %	0.01%	1	0
288	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 3 (E4)::VALUE FOR FALSE	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
289	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 3 (E4)::DESTINATION TAG	Data	0	RW	0 to 700	93	1	1
290	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS	Menu						
291	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1	Menu						
292	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1::THRESHOLD (>)	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
293	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1::MODULUS	Data	2	RW	FALSE / TRUE /	FALSE	1	0
294	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1::SOURCE TAG	Data	0	RW	0 to 700	17	1	0
295	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2	Menu						
296	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2::THRESHOLD (>)	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
297	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2::MODULUS	Data	2	RW	FALSE / TRUE /	FALSE	1	0
298	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2::SOURCE TAG	Data	0	RW	0 to 700	12	1	0
299	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3	Menu						

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Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
300	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3::THRESHOLD (>)	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
301	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3::MODULUS	Data	2	RW	FALSE / TRUE /	TRUE	1	0
302	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3::SOURCE TAG	Data	0	RW	0 to 700	559	1	0
303	SYSTEM::CONFIGURE I/O::CONFIGURE 5703	Menu						
304	SYSTEM::CONFIGURE I/O::CONFIGURE 5703::SOURCE TAG	Data	0	RW	0 to 700	176	1	0
305	SYSTEM::CONFIGURE I/O::CONFIGURE 5703::DESTINATION TAG	Data	0	RW	0 to 700	371	1	0
306	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM	Menu						
307	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::RAISE/LOWER DEST	Data	0	RW	0 to 700	0	1	1
308	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::RAMP O/P DEST	Data	0	RW	0 to 700	372	1	1
309	SETUP PARAMETERS::ALARMS::MOTOR TMP.RST.	Data	2	RW	0.00 % to 200.00 %	50.00%	1	0
310	SYSTEM::RESERVED	Menu						
311	SYSTEM::RESERVED::SSD USE ONLY	Menu						
312	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!	Menu						
313	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!! MISCELLANEOUS::MIN MMI CYCLE TM	Data	0	RW	0 to 30000	200	1	0
314	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!! MISCELLANEOUS::MAX MMI CYCLE TM	Data	0	RW	0 to 30000	4000	1	0
315	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!! MISCELLANEOUS::CYCLE TIME	Data	0	RO	0 to 10000	0	1	0
316	SETUP PARAMETERS::S-RAMP::AT SPEED	Data	0	RO	FALSE / TRUE /	FALSE	1	0
317	SETUP PARAMETERS::S-RAMP	Menu						
318	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!! MISCELLANEOUS::P3 TAG LIST TC	Data	3	RW	0.000 SECS to 30.000 SECS	0.010 SECS	1	0
319	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!! MISCELLANEOUS::SED.FBK. TC	Data	3	RW	0.000 SECS to 30.000 SECS	0.010 SECS	1	0
320	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!! MISCELLANEOUS::TORQUE.FBK.TC	Data	3	RW	0.000 SECS to 30.000 SECS	0.010 SECS	1	0
321	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1::OFFSET	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
322	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2::OFFSET	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
323	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3::OFFSET	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
324	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1::INPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
325	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2::INPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
326	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3::INPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
327	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 1::INVERT	Data	1	RW	FALSE / TRUE /	FALSE	1	0
328	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 2::INVERT	Data	1	RW	FALSE / TRUE /	FALSE	1	0
329	SYSTEM::CONFIGURE I/O::DIGITAL OUTPUTS::DIGOUT 3::INVERT	Data	1	RW	FALSE / TRUE /	FALSE	1	0
330	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)::CALIBRATION	Data	2	RW	-200.00 % to 200.00 %	100.00%	1	0
331	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)::CALIBRATION	Data	2	RW	-200.00 % to 200.00 %	100.00%	1	0
332	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)::OFFSET	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
333	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)::OFFSET	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
334	SERIAL LINKS::P3 TAG LIST::FULL TAG LIST	Data	0	RW	FALSE / TRUE /	FALSE	1	0
335	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)::MODULUS	Data	2	RW	FALSE / TRUE /	FALSE	1	0
336	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)::MODULUS	Data	2	RW	FALSE / TRUE /	FALSE	1	0
337	SETUP PARAMETERS::REF ENCODER::PHASE::POS CALC ENABLE	Data	0	RW	FALSE / TRUE /	FALSE	1	0
338	SETUP PARAMETERS::REF ENCODER::PHASE::POSITION ERROR	Data	0	RW	-30000 to 30000	0	1	0
339	SETUP PARAMETERS::REF ENCODER	Menu						
340		Data	0	RW	FALSE / TRUE /	FALSE	1	0
341	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::POSITION DEST	Data	0	RW	0 to 700	0	1	1
342	SETUP PARAMETERS::REF ENCODER::PHASE::MAX POSITION ERR	Data	2	RW	-300.00 to 300.00	100	1	0
343	SETUP PARAMETERS::REF ENCODER::PHASE::REF SCALE A	Data	0	RW	-30000 to 30000	100	1	0
344	SETUP PARAMETERS::REF ENCODER::PHASE::REF SCALE B	Data	0	RW	-30000 to 30000	100	1	0
345	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::SPT SUM1 OP DEST	Data	0	RW	0 to 700	58	1	1
346	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::SPT SUM2 OP DEST	Data	0	RW	0 to 700	176	1	1
347	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::SPT SUM3 OP DEST	Data	0	RW	0 to 700	0	1	1
348	SYSTEM::PEEK	Menu						
349	SYSTEM::PEEK::PEEK DATA	Data	0	RW	[0x0020] = 0000 to [0xFFFF] = 0000	[0x0000] = 0000	1	0

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
350	SYSTEM::PEEK::PEEK SCALE	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
351	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::SYS TIME	Diagnostic						
352	SETUP PARAMETERS::STOP RATES::READY DELAY	Data	3	RW	0.000 SECS to 30.000 SECS	0.000 SECS	1	0
353	SETUP PARAMETERS::REF ENCODER::SPEED::MAX SPEED REM	Data	0	RW	0 REM to 6000 REM	1500 REM	1	0
354	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 1 (C5)::ANOUT 1	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
355	SYSTEM::CONFIGURE I/O::ANALOG OUTPUTS::ANOUT 2 (F5)::ANOUT 2	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
356	SETUP PARAMETERS::REF ENCODER::SPEED::ENCODER LINES	Data	0	RW	0 to 8000	2048	1	0
357	SETUP PARAMETERS::REF ENCODER::SPEED::REFSPEED	Data	2	RW	-200.00 % to 200.00 %	0.00%	1	0
358	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (C3)::OFFSET	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
359	SETUP PARAMETERS::REF ENCODER::PHASE::REF ENCODER I/P	Data	0	RW	-30000 to 30000	0	1	0
360	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)::OFFSET	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
361	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)::OFFSET	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
362	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)::OFFSET	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
363	SETUP PARAMETERS::SETPPOINT SUM 2	Menu						
364	SETUP PARAMETERS::SETPPOINT SUM 2::RATIO 0	Data	4	RW	-3.0000 to 3.0000	1	1	0
365	SETUP PARAMETERS::SETPPOINT SUM 2::RATIO 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
366	SETUP PARAMETERS::SETPPOINT SUM 2::SIGN 0	Data	0	RW	NEG / POS /	POS	1	0
367	SETUP PARAMETERS::SETPPOINT SUM 2::SIGN 1	Data	0	RW	NEG / POS /	POS	1	0
368	SETUP PARAMETERS::SETPPOINT SUM 2::DIVIDER 0	Data	4	RW	-3.0000 to 3.0000	1	1	0
369	SETUP PARAMETERS::SETPPOINT SUM 2::DIVIDER 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
370	SETUP PARAMETERS::SETPPOINT SUM 2::LIMIT	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
371	SETUP PARAMETERS::SETPPOINT SUM 2::INPUT 0	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
372	SETUP PARAMETERS::SETPPOINT SUM 2::INPUT 1	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
373	SETUP PARAMETERS::SETPPOINT SUM 2::INPUT 2	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
374	SETUP PARAMETERS::SETPPOINT SUM 3	Menu						
375	SETUP PARAMETERS::SETPPOINT SUM 3::RATIO 0	Data	4	RW	-3.0000 to 3.0000	1	1	0
376	SETUP PARAMETERS::SETPPOINT SUM 3::RATIO 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
377	SETUP PARAMETERS::SETPPOINT SUM 3::SIGN 0	Data	0	RW	NEG / POS /	POS	1	0
378	SETUP PARAMETERS::SETPPOINT SUM 3::SIGN 1	Data	0	RW	NEG / POS /	POS	1	0
379	SETUP PARAMETERS::SETPPOINT SUM 3::DIVIDER 0	Data	4	RW	-3.0000 to 3.0000	1	1	0
380	SETUP PARAMETERS::SETPPOINT SUM 3::DIVIDER 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
381	SETUP PARAMETERS::SETPPOINT SUM 3::LIMIT	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
382	SETUP PARAMETERS::SETPPOINT SUM 3::INPUT 0	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
383	SETUP PARAMETERS::SETPPOINT SUM 3::INPUT 1	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
384	SETUP PARAMETERS::SETPPOINT SUM 3::INPUT 2	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
385	DIAGNOSTICS::SPT SUM O/P 2	Diagnostic						
386	DIAGNOSTICS::SPT SUM O/P 3	Diagnostic						
387	SETUP PARAMETERS::HOME	Menu						
388	SETUP PARAMETERS::HOME::LINEAR O/P	Data	0	RW	FALSE / TRUE /	FALSE	1	0
389	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::HOME DEST	Data	0	RW	0 to 700	0	1	1
390	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 1 (C3)::SCALED INPUT	Diagnostic						
391	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 3 (F2)::SCALED INPUT	Diagnostic						
392	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 4 (F3)::SCALED INPUT	Diagnostic						
393	SYSTEM::CONFIGURE I/O::ANALOG INPUTS::ANIN 5 (F4)::SCALED INPUT	Diagnostic						
394	SETUP PARAMETERS::HOME::HOME INPUT	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
395	SETUP PARAMETERS::HOME::HOME OUTPUT	Data	2	RO	-100.00 % to 100.00 %	0.00%	0	0
396	SETUP PARAMETERS::HOME::HOMING DISTANCE	Data	0	RW	0 to 30000	2048	1	0
397	SETUP PARAMETERS::HOME::HOME	Data	0	RW	FALSE / TRUE /	FALSE	1	0
398	SETUP PARAMETERS::HOME::1/ENCODER SCALE	Data	2	RW	0.01 to 100.00	4	1	0
399	SETUP PARAMETERS::CALIBRATION::NO.OF POLES	Data	0	RW	2 to 50	4	0	1

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Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
400	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS	Menu						
401	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::Id PROP GAIN	Data	0	RW	0 to 32767	2	0	0
402	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::Id INT GAIN	Data	0	RW	0 to 32767	500	0	0
403	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MAX Id DEMAND	Data	0	RW	0 to 10000	7500	0	0
404	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MIN Id DEMAND	Data	0	RW	-5000 to -1	-2000	0	0
405	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MAX Id INTEGRAL	Data	0	RW	0 to 10000	7500	0	0
406	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MIN Id INTEGRAL	Data	0	RW	-5000 to 0	-2000	0	0
407	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::Iq INT GAIN	Data	0	RW	0 to 32767	10000	0	0
408	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MAX Iq INTEGRAL	Data	0	RW	0 to 5000	4000	0	0
409	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MIN Iq INTEGRAL	Data	0	RW	-5000 to 0	-4000	0	0
410	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS	Menu						
411	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::BRAKE THRESHOLD	Data	0	RW	0 to 1023	936	0	0
412	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::MCIN INDEX	Data	0	RW	0 to 12000	9000	0	0
413	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::AD POS THRESHOLD	Data	0	RW	0 to 100	6	0	0
414	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:MISCELLANEOUS::AD NEG THRESHOLD	Data	0	RW	0 to 100	6	0	0
415	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MAX Id HI WORD	Data	0	RW	-1 to 0	0	0	0
416	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:Id Iq LOOPS::MIN Id HI WORD	Data	0	RW	-1 to 0	-1	0	0
417	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS	Menu						
418	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::SELECT FUNCTION	Data	0	RW	0 to 9	0	0	1
419	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::SPEED PERIOD	Data	0	RW	2 to 65535	1000	1	0
420	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::SPEED AMPLITUDE	Data	0	RW	0 to 30000	500	1	0
421	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::SPEED OFFSET	Data	0	RW	-11000 to 11000	0	1	0
422	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::CURRENT PERIOD	Data	0	RW	2 to 10000	40	1	0
423	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::CURR AMPLITUDE	Data	0	RW	0 to 5000	200	1	0
424	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TEST FUNCTIONS::CURRENT OFFSET	Data	0	RW	-5000 to 5000	0	1	0
425	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE	Menu						
426	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE MODE	Data	0	RW	0 to 2	1	0	1
427	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::PRESET COUNT	Data	0	RW	0 to 65535	0	0	1
428	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::ND OF PASSES	Data	0	RW	1 to 254	1	0	1
429	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE 16 ITEMS	Data	0	RW	FALSE / TRUE /	FALSE	0	1
430	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 1	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
431	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 2	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
432	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 3	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
433	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 4	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
434	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 5	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
435	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 6	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
436	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 7	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
437	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 8	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
438	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 9	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
439	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 10	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
440	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 11	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
441	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 12	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
442	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 13	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
443	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 14	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
444	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 15	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
445	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:TRACE::TRACE ADDRESS 16	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	1
446	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!:FIELD WK VARS	Menu						
447	SETUP PARAMETERS::REF ENCODER::PHASE::OFFSET	Data	0	RW	-30000 to 30000	0	1	0
448	SETUP PARAMETERS::CALIBRATION::BASE FREQUENCY	Data	1	RW	0.1 Hz to 400.0 Hz	50.0 Hz	0	1
449		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
450	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN B7 DEST	Data	0	RW	0 to 700	70	1	1
451	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN B6 DEST	Data	0	RW	0 to 700	71	1	1
452	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN B8 DEST	Data	0	RW	0 to 700	72	1	1
453	SETUP PARAMETERS::TORQUE LOOP::MAG CURRENT %	Data	2	RW	0.00 % to 90.00 %	30.00%	0	1
454	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 0	Data	1	RW	100.0 % to 100.0 %	100.00%	0	1
455	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 1	Data	1	RW	0.0 % to 100.0 %	77.00%	0	1
456	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 2	Data	1	RW	0.0 % to 100.0 %	63.00%	0	1
457	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 3	Data	1	RW	0.0 % to 100.0 %	50.00%	0	1
458	SETUP PARAMETERS::TORQUE LOOP::ROTOR TIME CONST	Data	1	RW	12.8 mSBCS to 3000.0 mSBCS	100.0 mSBCS	1	1
459	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 5	Data	1	RW	0.0 % to 100.0 %	35.00%	0	1
460	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 6	Data	1	RW	0.0 % to 100.0 %	30.00%	0	1
461	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 7	Data	1	RW	0.0 % to 100.0 %	25.00%	0	1
462	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 8	Data	1	RW	0.0 % to 100.0 %	20.00%	0	1
463	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
464	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
465	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
466	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
467	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
468	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
469	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
470	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
471	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
472	SYSTEM::CO-PROCESSOR::	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
473	SYSTEM::CO-PROCESSOR::	Data	2	RW	FALSE / TRUE /	FALSE	1	0
474	SYSTEM::CO-PROCESSOR::	Data	2	RW	FALSE / TRUE /	FALSE	1	0
475	SYSTEM::CO-PROCESSOR::	Data	2	RW	FALSE / TRUE /	FALSE	1	0
476	SYSTEM::CO-PROCESSOR::	Data	2	RW	FALSE / TRUE /	FALSE	1	0
477	SYSTEM::CO-PROCESSOR::	Data	2	RW	FALSE / TRUE /	FALSE	1	0
478	SYSTEM::CO-PROCESSOR::	Data	2	RW	FALSE / TRUE /	FALSE	1	0
479	SYSTEM::CO-PROCESSOR	Menu						
480	DIAGNOSTICS::TERMINAL VOLTS	Diagnostic						
481	SETUP PARAMETERS::AUTO TUNE	Menu						
482	SETUP PARAMETERS::AUTO TUNE::AUTO TUNE FLAG	Data	0	RW	FALSE / TRUE /	FALSE	1	0
483	SETUP PARAMETERS::AUTO TUNE::MAG I AUTO TUNE	Data	0	RW	FALSE / TRUE /	TRUE	1	0
484	SETUP PARAMETERS::AUTO TUNE::SET Tr < RID SPD	Data	0	RW	FALSE / TRUE /	TRUE	1	0
485	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC	Menu						
486	SETUP PARAMETERS::CALIBRATION::MOTOR VOLTS	Data	0	RW	0 VOLTS to 1000 VOLTS	415 VOLTS	1	0
487	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::KIMF_INT	Data	0	RW	0 to 32000	1000	1	0
488	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::AUTO RAMP INCRMT	Data	0	RW	1 to 50	2	1	0
489	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::LINK V FILT GAIN	Data	0	RW	0 to 32000	500	1	0
490	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::TERM V FILT GAIN	Data	0	RW	0 to 32000	500	1	0
491	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::TERM V FLTGN DEP	Data	0	RW	0 to 32000	50	1	0
492	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::AUTO CAL MAX REM	Diagnostic						
493	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::LOAD FACTOR @BS	Data	1	RW	50.0 % to 100.0 %	95.00%	1	0
494	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTO TUNE MISC::LOAD FACTOR @2BS	Data	1	RW	50.0 % to 100.0 %	90.00%	1	0
495	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::IPB ADJUST	Data	1	RW	50.0 % to 150.0 %	115.00%	1	1
496		Data	2	RW	0.00 % to 100.00 %	0.00%	1	0
497		Data	2	RW	0.00 % to 100.00 %	0.00%	1	0
498		Data	0	RW	FALSE / TRUE /	FALSE	1	0
499		Data	0	RW	FALSE / TRUE /	FALSE	1	0

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Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
500	SETUP PARAMETERS::PID::ERROR CALC::ERROR O/P	Data	2	RO	-300.00 % to 300.00 %	0.00%	0	0
501	SETUP PARAMETERS::OP-STATION	Menu						
502	SETUP PARAMETERS::OP-STATION::START UP VALUES	Menu						
503	SETUP PARAMETERS::OP-STATION::START UP VALUES::SETPPOINT	Data	1	RW	0.0 % to 100.0 %	0.00%	1	0
504	SETUP PARAMETERS::OP-STATION::START UP VALUES::REV DIRECTION	Data	0	RW	FALSE / TRUE /	FALSE	1	0
505	SETUP PARAMETERS::OP-STATION::START UP VALUES::PROGRAM	Data	0	RW	FALSE / TRUE /	FALSE	1	0
506	SETUP PARAMETERS::OP-STATION::START UP VALUES::LOCAL	Data	0	RW	FALSE / TRUE /	FALSE	1	0
507	SETUP PARAMETERS::OP-STATION::SET UP::SETPPOINT	Data	1	RW	0.0 % to 100.0 %	0.00%	1	0
508	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 4 (E5)::OUTPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
509	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMP OUTPUT	Diagnostic						
510	SETUP PARAMETERS::OP-STATION::LOCAL RAMP	Menu						
511	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMP ACCEL TIME	Data	1	RW	0.0 SECS to 600.0 SECS	10.0 SECS	1	0
512	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMP DECEL TIME	Data	1	RW	0.0 SECS to 600.0 SECS	10.0 SECS	1	0
513	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMP QUENCH	Data	0	RW	FALSE / TRUE /	FALSE	1	0
514	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMP HOLD	Data	0	RW	FALSE / TRUE /	FALSE	1	0
515	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMP INPUT	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
516	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::% S-RAMP	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
517	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RAMPING THRESH.	Data	2	RW	-100.00 % to 100.00 %	1.00%	1	0
518	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::AUTO RESET	Data	0	RW	FALSE / TRUE /	TRUE	1	0
519	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::EXTERNAL RESET	Data	0	RW	FALSE / TRUE /	FALSE	1	0
520	SETUP PARAMETERS::OP-STATION::LOCAL RAMP::RESET VALUE	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
521	DIAGNOSTICS::DIGIN 4 (E5)	Diagnostic						
522	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 4 (E5)	Menu						
523	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 4 (E5)::VALUE FOR TRUE	Data	2	RW	-300.00 % to 300.00 %	0.01%	1	0
524	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 4 (E5)::VALUE FOR FALSE	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
525	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 4 (E5)::DESTINATION TAG	Data	0	RW	0 to 700	94	1	1
526		Data	2	RW	0.01 SECS to 60.00 SECS	0.10 SECS	1	0
527	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 1 (E2)::OUTPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
528	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 2 (E3)::OUTPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
529	SYSTEM::CONFIGURE I/O::DIGITAL INPUTS::DIGIN 3 (E4)::OUTPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
530	SETUP PARAMETERS::PID	Menu						
531	SETUP PARAMETERS::PID::DERIVATIVE TC	Data	3	RW	0.000 SECS to 10.000 SECS	0.000 SECS	1	0
532	SETUP PARAMETERS::PID::ERROR CALC::DIVIDER 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
533	SETUP PARAMETERS::PID::ERROR CALC::DIVIDER 2	Data	4	RW	-3.0000 to 3.0000	1	1	0
534	SETUP PARAMETERS::PID::ENABLE	Data	0	RW	FALSE / TRUE /	TRUE	1	0
535	SETUP PARAMETERS::PID::FILTER TC	Data	3	RW	0.000 SECS to 10.000 SECS	0.100 SECS	1	0
536	SETUP PARAMETERS::PID::ERROR CALC::INPUT 1	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
537	SETUP PARAMETERS::PID::ERROR CALC::INPUT 2	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
538	SETUP PARAMETERS::PID::INT.DEFEAT	Data	0	RW	FALSE / TRUE /	FALSE	1	0
539	SETUP PARAMETERS::PID::INT.TIME CONST.	Data	2	RW	0.00 SECS to 100.00 SECS	5.00 SECS	1	0
540	SETUP PARAMETERS::PID::PROFILER::MIN PROFILE GAIN	Data	2	RW	0.0 % to 100.00 %	20.00%	1	0
541	SETUP PARAMETERS::PID::PROFILER::MODE	Data	0	RW	0 to 4	0	1	0
542	SETUP PARAMETERS::PID::NEGATIVE LIMIT	Data	2	RW	-100.00 % to 0.00 %	-100.00%	1	0
543	SETUP PARAMETERS::PID::O/P SCALAR(TRIM)	Data	4	RW	-3.0000 to 3.0000	1	1	0
544	SETUP PARAMETERS::PID::CLAMPED	Data	0	RW	FALSE / TRUE /	TRUE	1	0
545	SETUP PARAMETERS::PID::INPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
546	SETUP PARAMETERS::PID::OUTPUT	Data	2	RO	-300.00 % to 300.00 %	0.00%	1	0
547	SETUP PARAMETERS::PID::POSITIVE LIMIT	Data	2	RW	0.00 % to 100.00 %	100.00%	1	0
548	SETUP PARAMETERS::PID::PROFILER::PROFILED GAIN	Data	1	RW	0.0 to 100.0	0	1	0
549	SETUP PARAMETERS::PID::PROP.GAIN	Data	1	RW	0.0 to 100.0	1	1	0

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
550	SETUP PARAMETERS::PID::ERROR CALC::RATIO 1	Data	4	RW	-3.0000 to 3.0000	1	1	0
551	SETUP PARAMETERS::PID::ERROR CALC::RATIO 2	Data	4	RW	-3.0000 to 3.0000	1	1	0
552	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::PID O/P DEST	Data	0	RW	0 to 700	0	1	0
553	SETUP PARAMETERS::PID::ERROR CALC::LIMIT	Data	2	RW	-300.00 % to 300.00 %	100.00%	1	0
554	SETUP PARAMETERS::PID::PROFILER::PROFILE INPUT	Data	2	RW	0.00 % to 100.00 %	0.00%	1	0
555	SETUP PARAMETERS::PID::PROFILER::PROFILE MIN/OUT	Data	2	RW	0.00 % to 100.00 %	0.00%	1	0
556	SYSTEM::CONFIGURE I/O::BLOCK DIAGRAM::PID ERROR DEST	Data	0	RW	0 to 700	545	1	0
557	SETUP PARAMETERS::PID::ERROR CALC	Menu						
558	SETUP PARAMETERS::PID::PROFILER	Menu						
559	DIAGNOSTICS::READY	Diagnostic						
560	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 5 SOURCE	Data	0	RW	0 to 700	0	1	1
561	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 5 DEST	Data	0	RW	0 to 700	0	1	1
562	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 6 SOURCE	Data	0	RW	0 to 700	0	1	1
563	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 6 DEST	Data	0	RW	0 to 700	0	1	1
564	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 7 SOURCE	Data	0	RW	0 to 700	0	1	1
565	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 7 DEST	Data	0	RW	0 to 700	0	1	1
566	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 8 SOURCE	Data	0	RW	0 to 700	0	1	1
567	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 8 DEST	Data	0	RW	0 to 700	0	1	1
568	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 9 SOURCE	Data	0	RW	0 to 700	0	1	1
569	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 9 DEST	Data	0	RW	0 to 700	0	1	1
570	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 10 SOURCE	Data	0	RW	0 to 700	0	1	1
571	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 10 DEST	Data	0	RW	0 to 700	0	1	1
572	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 11 SOURCE	Data	0	RW	0 to 700	0	1	1
573	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 11 DEST	Data	0	RW	0 to 700	0	1	1
574	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 12 SOURCE	Data	0	RW	0 to 700	0	1	1
575	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 12 DEST	Data	0	RW	0 to 700	0	1	1
576	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 13 SOURCE	Data	0	RW	0 to 700	0	1	1
577	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 13 DEST	Data	0	RW	0 to 700	0	1	1
578	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 14 SOURCE	Data	0	RW	0 to 700	0	1	1
579	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 14 DEST	Data	0	RW	0 to 700	0	1	1
580	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 15 SOURCE	Data	0	RW	0 to 700	0	1	1
581	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 15 DEST	Data	0	RW	0 to 700	0	1	1
582	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 16 SOURCE	Data	0	RW	0 to 700	0	1	1
583	SYSTEM::CONFIGURE I/O::INTERNAL LINKS::LINK 16 DEST	Data	0	RW	0 to 700	0	1	1
584	SERIAL LINKS::5703 SUPPORT::RAW INPUT	Data	2	RW	-300.00 % to 300.00 %	0.00%	1	0
585	SETUP PARAMETERS::TORQUE LOOP::CURRENT LIMIT	Data	2	RW	50.00 % to 150.00 %	150.00%	1	0
586	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 4	Data	1	RW	0.0 % to 100.0 %	40.00%	0	1
587	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 0	Data	1	RW	100.0 % to 100.0 %	100.00%	0	1
588	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 1	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
589	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 2	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
590	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 3	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
591	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 4	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
592	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 5	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
593	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 6	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
594	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 7	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
595	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 8	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
596	SETUP PARAMETERS::TORQUE LOOP::TORQ.DMD.ISOLATE	Data	0	RW	FALSE / TRUE /	FALSE	1	0
597	SETUP PARAMETERS::S-RAMP::INPUT	Data	2	RW	-100.00 % to 100.00 %	0.00%	1	0
598	SETUP PARAMETERS::S-RAMP::OUTPUT	Data	2	RO	-100.00 % to 100.00 %	0.00%	0	0
599	SETUP PARAMETERS::TORQUE LOOP::ALK TORQUE DMD	Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0

Chapter 9 - APPENDICES

Tag	Name	Type	DP	RW	Range	Default	Cfg	Inhib
600	SETUP PARAMETERS::REF ENCODER::PHASE::RESET	Data	0	RW	FALSE / TRUE /	FALSE	1	0
601	SETUP PARAMETERS::PID::ERROR CALC::SIGN 1	Data	0	RW	NEG / POS /	POS	1	0
602	SETUP PARAMETERS::PID::ERROR CALC::SIGN 2	Data	0	RW	NEG / POS /	POS	1	0
603	SETUP PARAMETERS::REF ENCODER::INCH	Menu						
604	SETUP PARAMETERS::REF ENCODER::INCH::INCH ADVANCE	Data	0	RW	FALSE / TRUE /	FALSE	1	0
605	SETUP PARAMETERS::REF ENCODER::INCH::INCH RETARD	Data	0	RW	FALSE / TRUE /	FALSE	1	0
606	SETUP PARAMETERS::REF ENCODER::INCH::INCH RATE	Data	1	RW	0.0 to 1000.0	10	1	0
607	SETUP PARAMETERS::REF ENCODER::SPEED	Menu						
608	SETUP PARAMETERS::REF ENCODER::PHASE	Menu						
609	SETUP PARAMETERS::REF ENCODER::PHASE::OFFSET SCALE	Data	0	RW	0 to 1000	1	1	0
610	SETUP PARAMETERS::REF ENCODER::PHASE::SATURATED	Data	0	RO	FALSE / TRUE /	FALSE	1	0
611	SETUP PARAMETERS::REF ENCODER::PHASE::OVERFLOW	Data	0	RO	FALSE / TRUE /	FALSE	1	0
612	SETUP PARAMETERS::S-RAMP::AT SPEED LEVEL	Data	2	RW	0.00 % to 100.00 %	1.00%	1	0
613	DIAGNOSTICS::DC LINK VOLTS	Diagnostic						
614	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::% LOAD @BASE SSD	Data	2	RW	0.00 % to 10.00 %	5.00%	1	0
615	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::TVolts INT RANGE	Data	2	RW	0.00 % to 80.00 %	50.00%	1	0
616	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::SPD @ TV INT =0	Data	2	RW	10.00 % to 100.00 %	50.00%	1	0
617	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::IQ @TV INIGN-MIN	Data	1	RW	10.0 % to 150.0 %	100.00%	1	0
618	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::IQ @TV INIGN-MAX	Data	1	RW	150.0 % to 300.0 %	200.00%	1	0
619	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::LOOP RESPONSE-ITV	Data	0	RW	4 to 30000	20	1	0
620	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL::FAST RESPONSE %	Data	2	RW	100.00 % to 115.00 %	102.50%	1	0
621	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::TERM V CONTROL	Menu						
622	SETUP PARAMETERS::STOP RATES::PROG STOP I-LIM	Data	2	RW	0.00 % to 150.00 %	150.00%	1	0
623	DIAGNOSTICS::TERM V INTEGRAL	Diagnostic						
624	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::MISCELLANEOUS::TOTAL TRIP COUNT	Data	0	RW	0x0000 to 0xFFFF	0x0000	0	0
625	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::DIAGNOSTICS RESD::SLIP FREQUENCY	Diagnostic						
626	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::DIAGNOSTICS RESD	Menu						
627	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::DIAGNOSTICS RESD::RUN SLIP F DIAG	Data	0	RW	FALSE / TRUE /	FALSE	0	0
628	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::AUTOTUNE MISC::MIN LINK V RATIO	Data	2	RW	50.00 % to 100.00 %	85.00%	1	0
629	SETUP PARAMETERS::AUTOTUNE::AUTOCAL MAX REM	Data	0	RW	0 REM to 30000 REM	30000 REM	1	0
630	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::MAG I SCALE 9	Data	1	RW	0.0 % to 100.0 %	11.10%	0	1
631	SYSTEM::RESERVED::SSD USE ONLY::DO NOT ALTER !!!::FIELD WK VARS::TR SCALE 9	Data	1	RW	20.0 % to 300.0 %	100.00%	0	1
632	SETUP PARAMETERS::OP-STATION::SET UP::LOCAL KEY ENABLE	Data	0	RW	FALSE / TRUE /	TRUE	0	1
633	SETUP PARAMETERS::OP-STATION::SET UP	Menu						
634		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
635		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
636		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
637		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
638		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
639		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
640		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
641		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
642		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
643		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
644		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
645		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
646		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
647		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0
648		Data	2	RW	-150.00 % to 150.00 %	0.00%	1	0