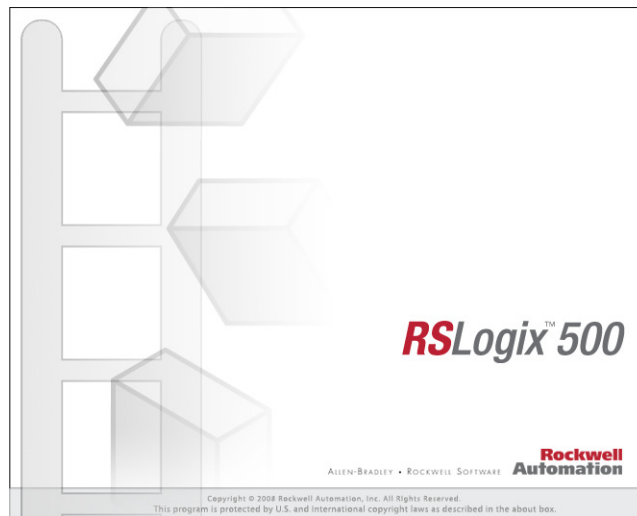


RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1766 MicroLogix 1400 Series A

Processor Name: PMP_CTRL

Total Memory Used: *

Total Memory Left: *

Program Files: 14

Data Files: 24

Program ID: 0

I/O Configuration

0	Bul.1766	MicroLogix 1400 Series A
1		
2		
3		
4		
5		
6		
7		

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master

CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Edit Resource/Owner Timeout: 60
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Passthru Link ID: 1
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Write Protected: No
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Comms Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master Message Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master 1st AWA Append Character: \d
CHANNEL 0 (SYSTEM) - Driver: Modbus RTU Master 2nd AWA Append Character: \a

Baud: 9600
Parity: NONE
Control Line : No Handshaking (485 Network)
InterCharacter Timeout(x1 ms): 0
Pre Transmit Delay(x1 ms): 0

CHANNEL 1 (SYSTEM) - Driver: Ethernet

CHANNEL 1 (SYSTEM) - Driver: Ethernet Edit Resource/Owner Timeout: 60
CHANNEL 1 (SYSTEM) - Driver: Ethernet Passthru Link ID: 1
CHANNEL 1 (SYSTEM) - Driver: Ethernet Write Protected: No
CHANNEL 1 (SYSTEM) - Driver: Ethernet Comms Servicing Selection: No
CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection: No

Hardware Address: 00:00:BC:38:50:A3
IP Address: 192.168.1.2
Subnet Mask: 255.255.255.0
Gateway Address: 0.0.0.0
Msg Connection Timeout (x 1mS): 15000
Msg Reply Timeout (x mS): 3000
Inactivity Timeout (x Min): 30
Bootp Enable: No
Dhcp Enable No
SMTP Enable: No
SNMP Enable: Yes
HTTP Enable: Yes
Auto Negotiate Enable: Yes
Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex
Contact:
Location:

CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex

CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout: 60
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection: Yes
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection: Yes
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character: \d
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character: \a

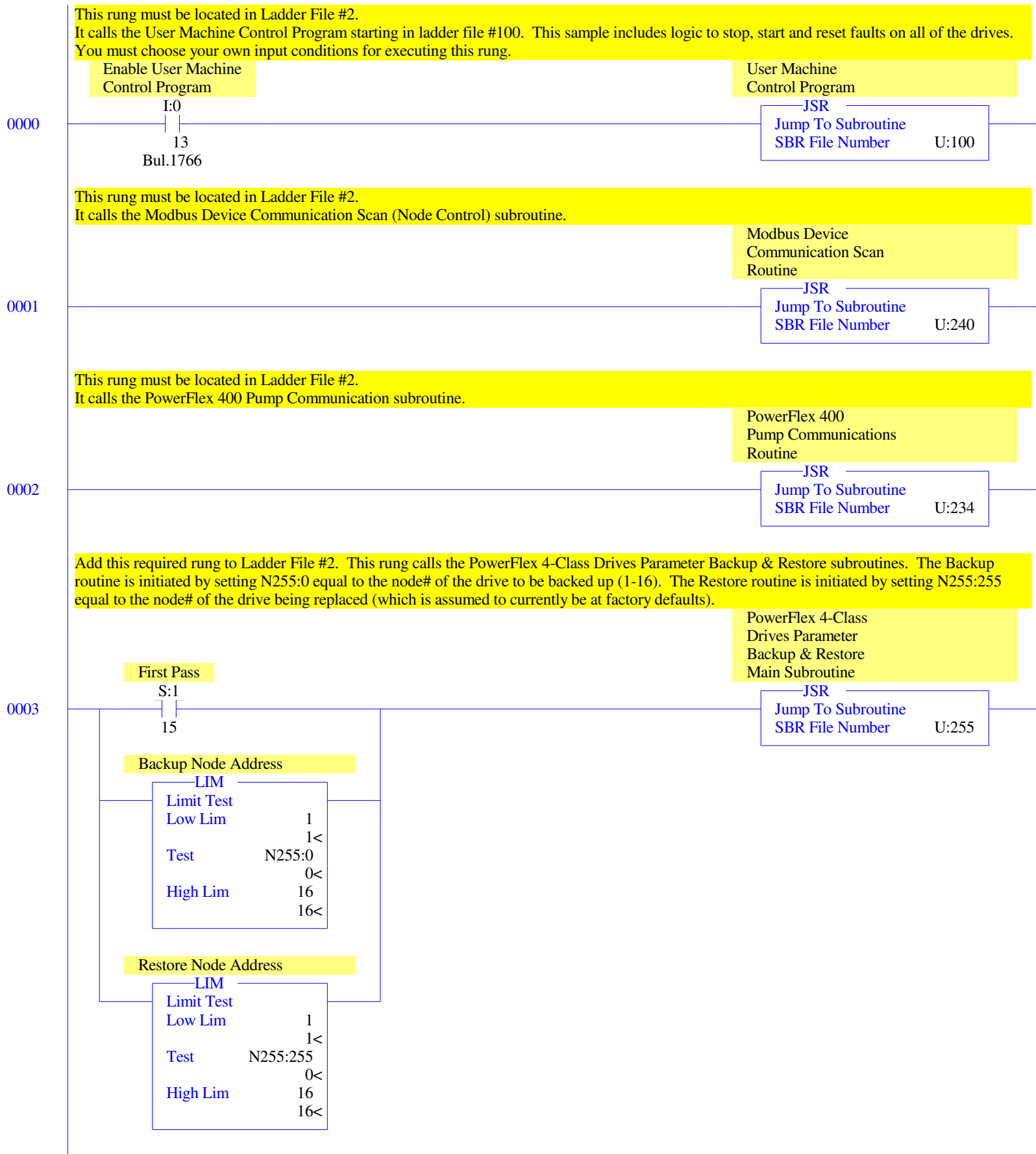
Source ID: 1 (decimal)
Baud: 19200
Parity: NONE
Control Line : No Handshaking
Error Detection: CRC
Embedded Responses: Auto Detect
Duplicate Packet Detect: Yes
ACK Timeout(x20 ms): 50
NAK Retries: 3
ENQ Retries: 3

Program File List

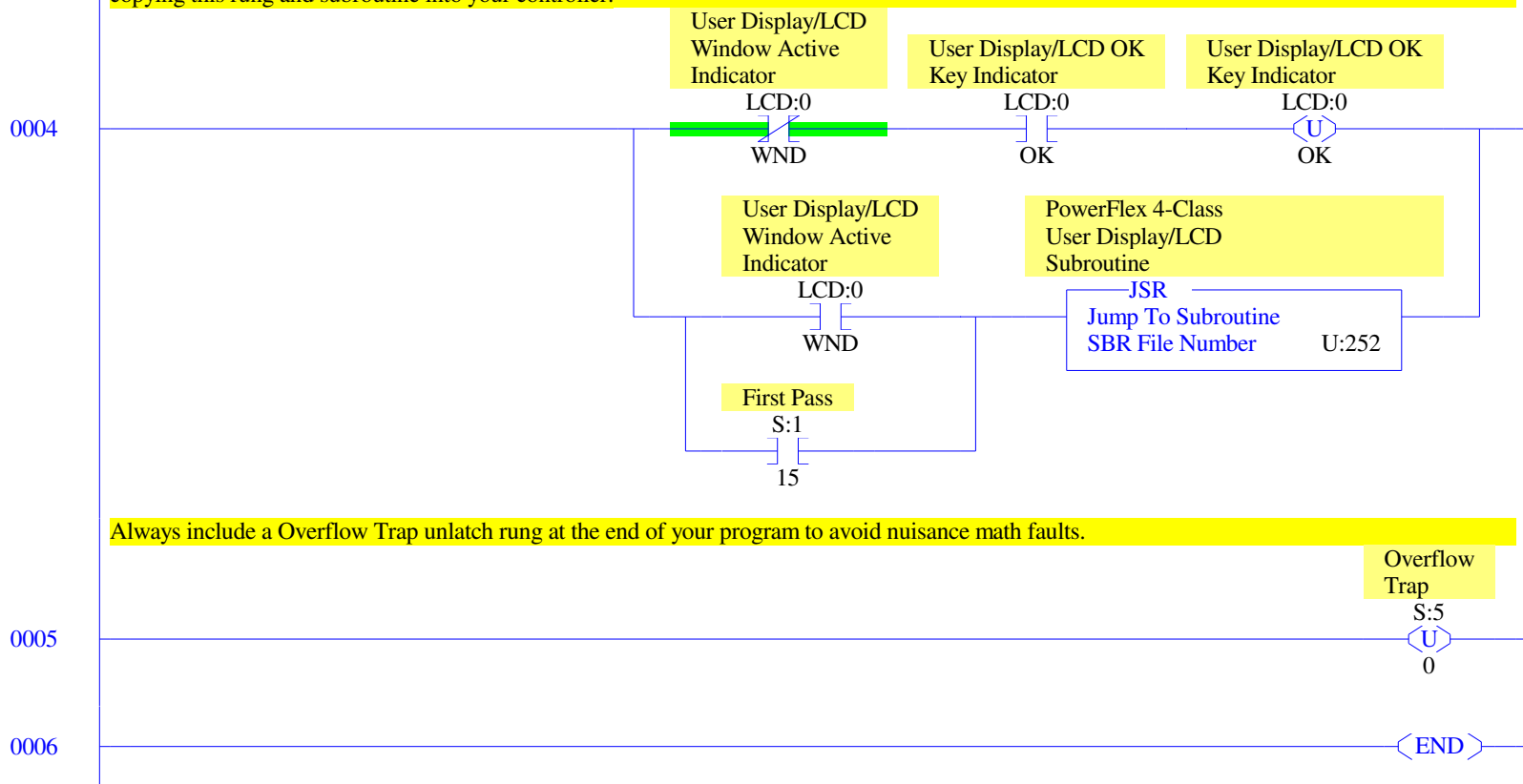
Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	7	No	164
USER PRGRM	100	LADDER	6	No	1195
PUMP CTRL	232	LADDER	49	No	6340
PVC CTRL	233	LADDER	5	No	1453
PUMP COMM	234	LADDER	12	No	5729
NODE CTRL	240	LADDER	4	No	346
PF400 RSTR	242	LADDER	11	No	660
PF400 BKUP	243	LADDER	11	No	719
PB&R LCD	252	LADDER	9	No	1432
PB&R RESTR	253	LADDER	7	No	778
PB&R BCKUP	254	LADDER	6	No	247
PB&R MAIN	255	LADDER	4	No	111

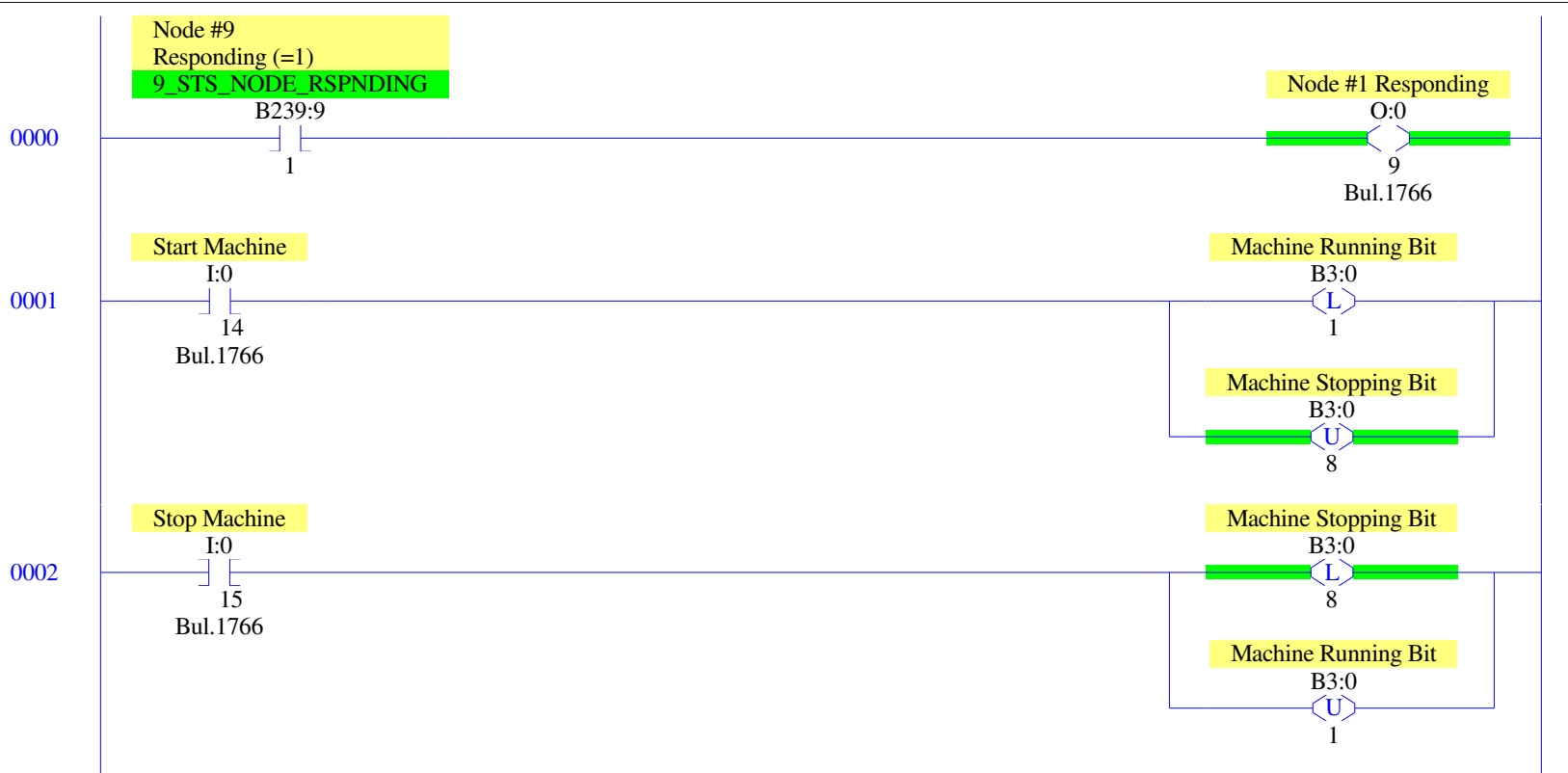
Data File List

Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	18	6	O:5
INPUT	1	I	Global	No	24	8	I:7
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	1	1	B3:0
TIMER	4	T	Global	No	3	1	T4:0
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	2	2	N7:1
FLOAT	8	F	Global	No	2	1	F8:0
PC STPTS	224	F	Global	No	512	256	F224:255
PC TIMERS	225	T	Global	No	246	82	T225:81
PC MSGS	226	MG	Global	No	550	22	MG226:21
PC FLOATS	227	F	Global	No	512	256	F227:255
PC STATUS	228	B	Global	No	256	256	B228:255
PC CMMNDS	229	B	Global	No	256	256	B229:255
PC MISC	230	N	Global	No	256	256	N230:255
NODE TIMER	238	T	Global	No	3	1	T238:0
NODE STS	239	B	Global	No	32	32	B239:31
NODE CTRL	240	B	Global	No	5	5	B240:4
NODE MISC	241	N	Global	No	7	7	N241:6
PF400 MSG	248	MG	Global	No	400	16	MG248:15
PB&R LCD	253	ST	Global	No	756	18	ST253:17
PB&R MSG	254	MG	Global	No	75	3	MG254:2
PB&R PARAM	255	N	Global	No	256	256	N255:255



Add this optional rung to Ladder File #2. This optional rung calls the User Display/LCD subroutine that supports initiating the PowerFlex 4-Class Drives Parameter Backup & Restore functionality using the ML1400 LCD and keypad. This functionality assumes that no other subroutines are attempting to use the User Display/LCD - therefore, search and verify that no other LCD instructions are found in the existing ladder logic before copying this rung and subroutine into your controller.





This rung shows how to start eight drives with a single input bit.

Machine Running Bit

B3:0

1

Enable Node # 9

9_CMD_NODE_ENABL

B240:0

9

Drv #9 User Stop
Command

9_CMD_PCCFG_STOP

B229:71

7

Drv #9 Active

9_STS_PCSTS_ACTIV

B228:51

1

Drv #9 User Start
Command

9_CMD_PCCFG_START

B229:71

8

Drv #9 Active

9_STS_PCSTS_ACTIV

B228:51

1

Drv #9 User Start
Command

9_CMD_PCCFG_START

B229:71

8

Drv #9 Pump Ready

9_STS_PCCND_READY

B228:71

0

Enable Node # 10

10_CMD_NODE_ENABL

B240:0

10

Drv #10 User Stop
Command

10_CMD_PCCFG_STOP

B229:96

7

Drv #10 Active

10_STS_PCSTS_ACTIV

B228:76

1

Drv #10 User Start
Command

10_CMD_PCCFG_START

B229:96

8

Drv #10 Active

10_STS_PCSTS_ACTIV

B228:76

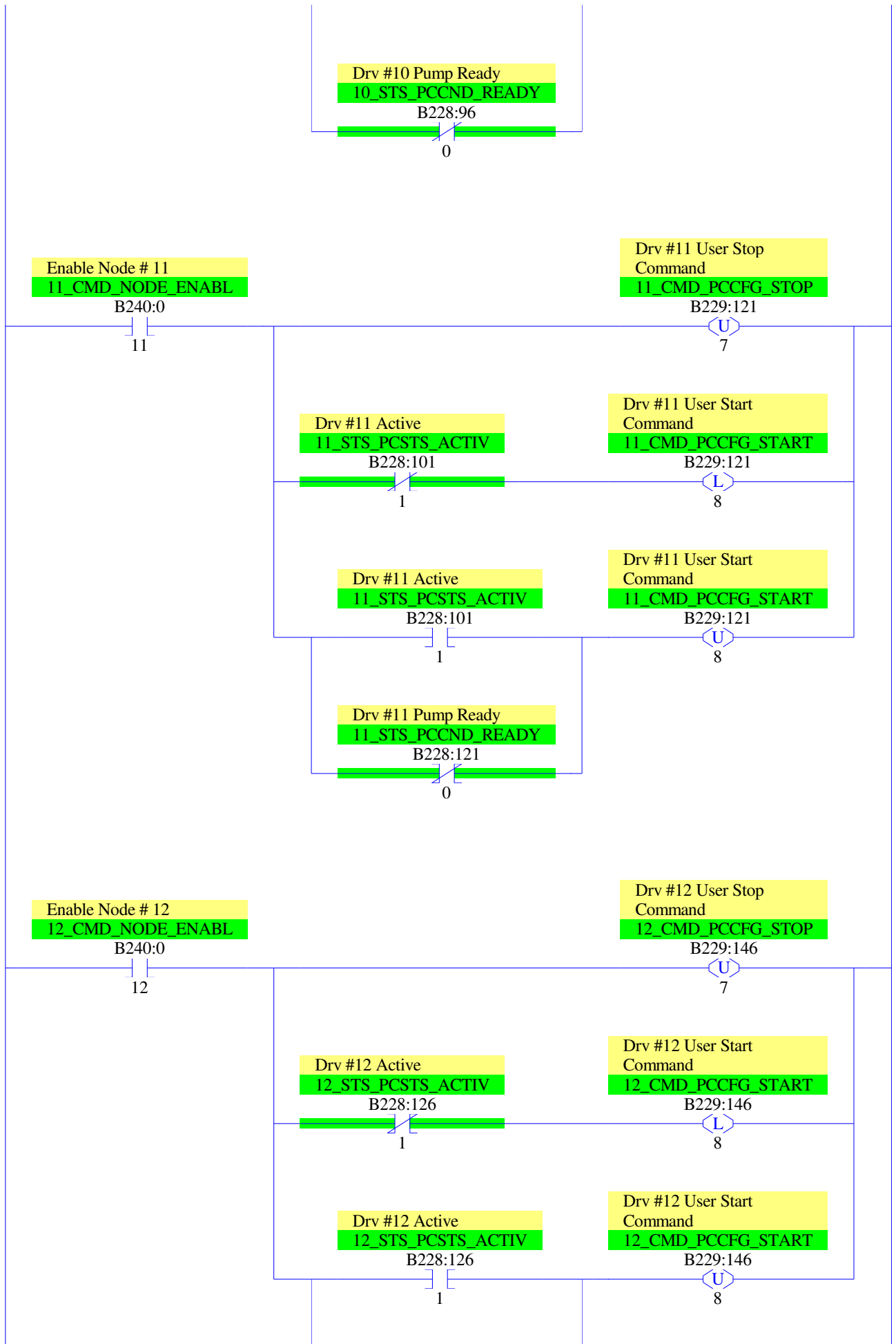
1

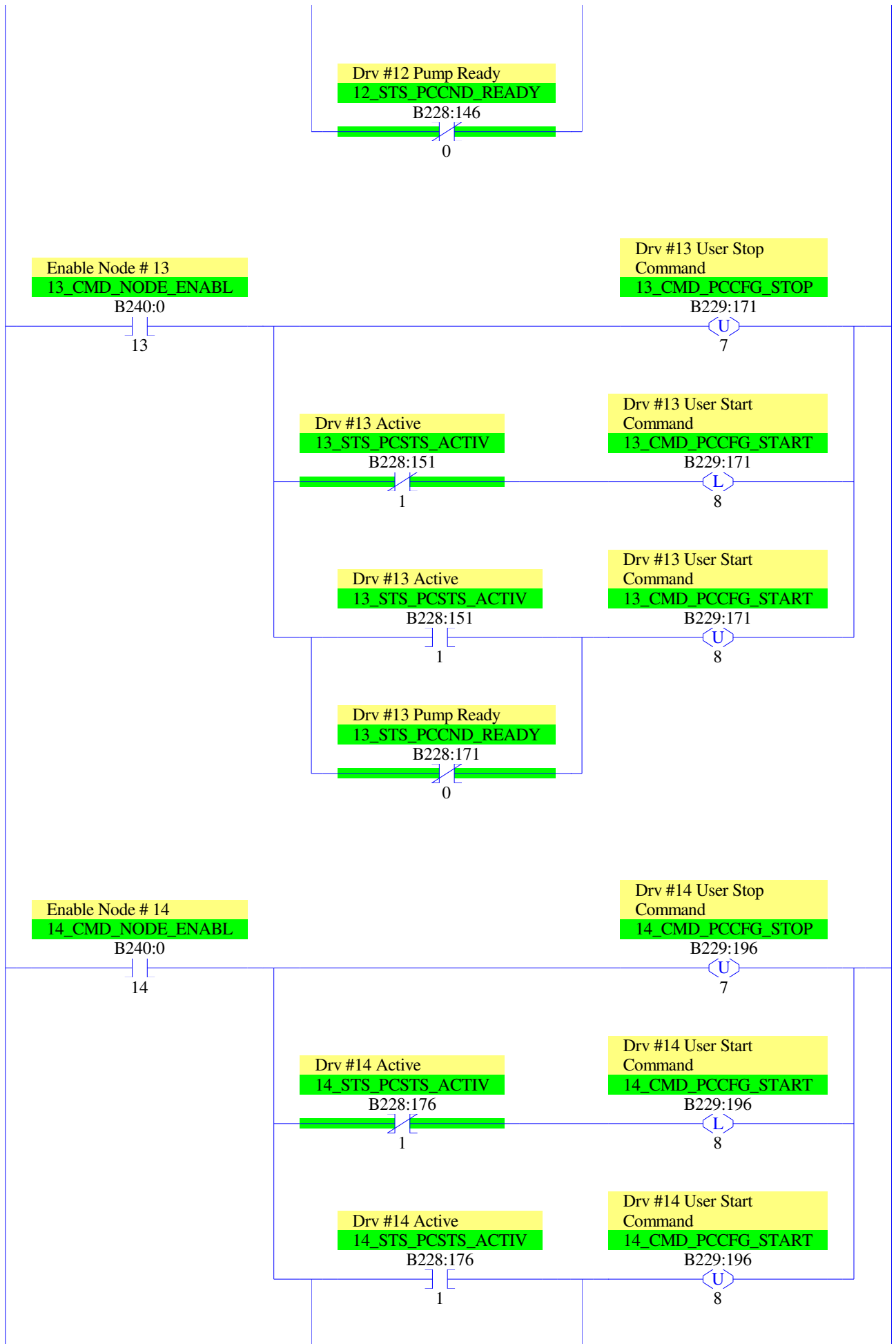
Drv #10 User Start
Command

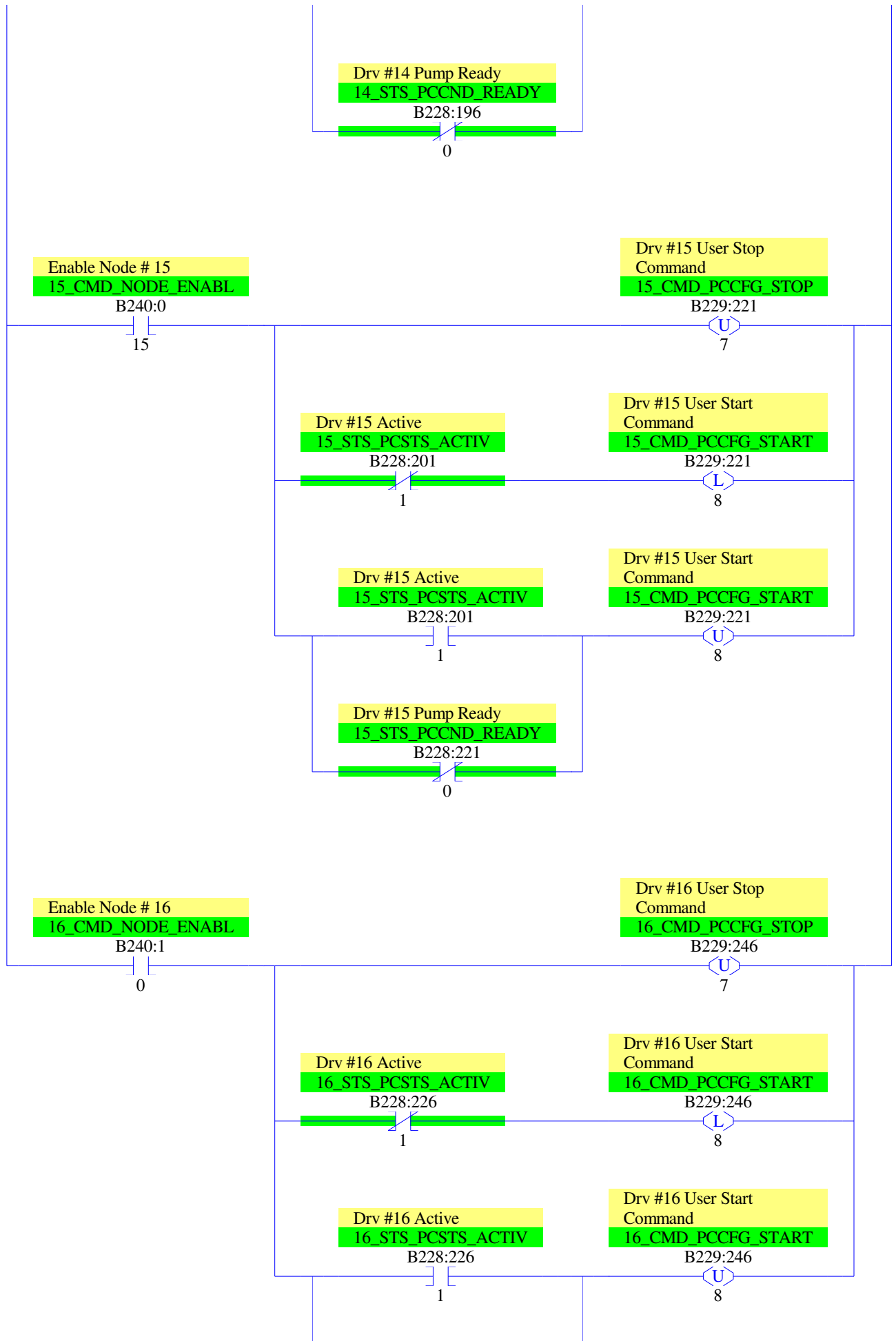
10_CMD_PCCFG_START

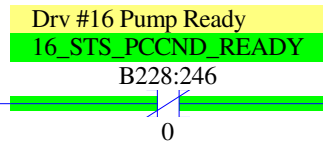
B229:96

8

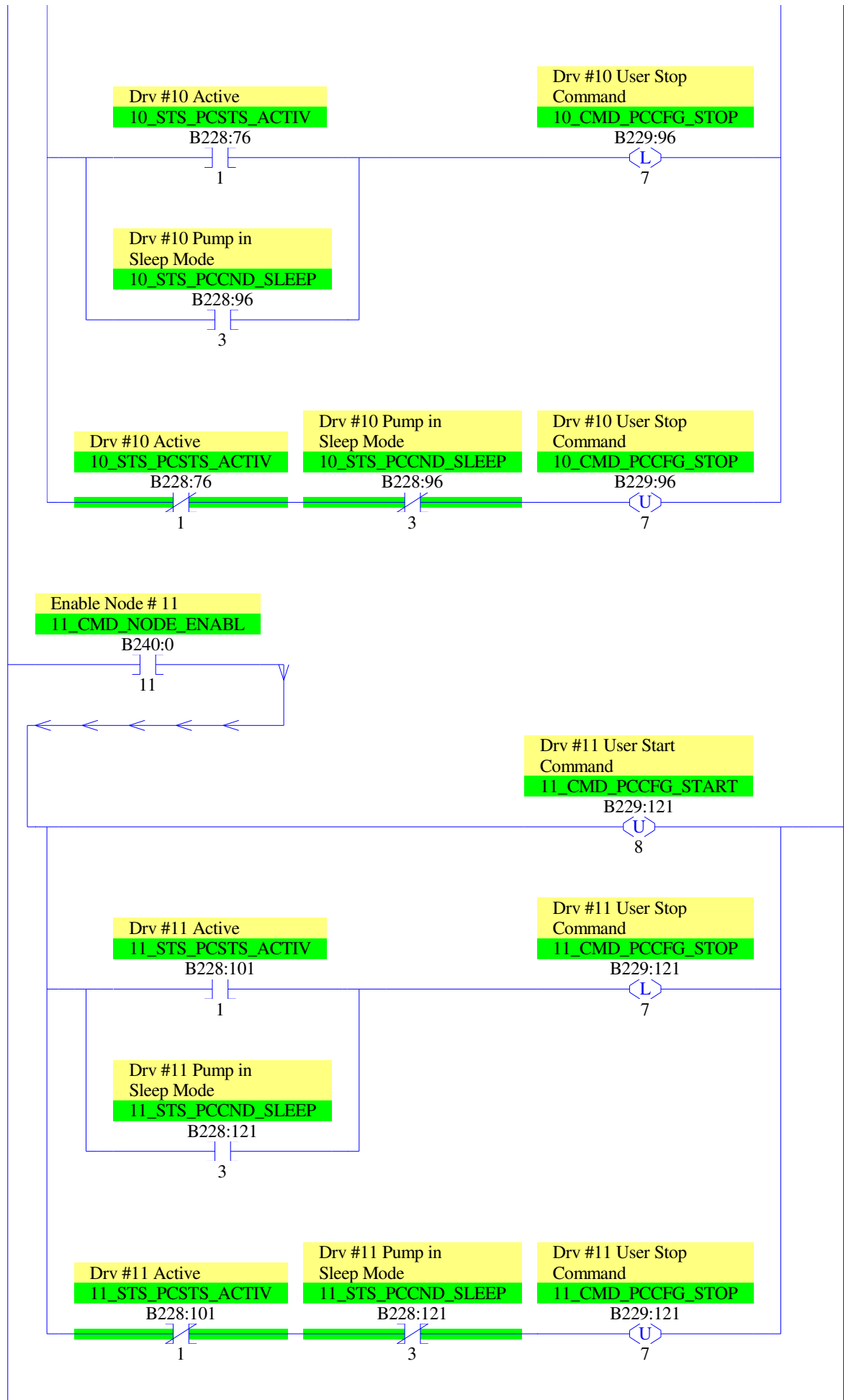


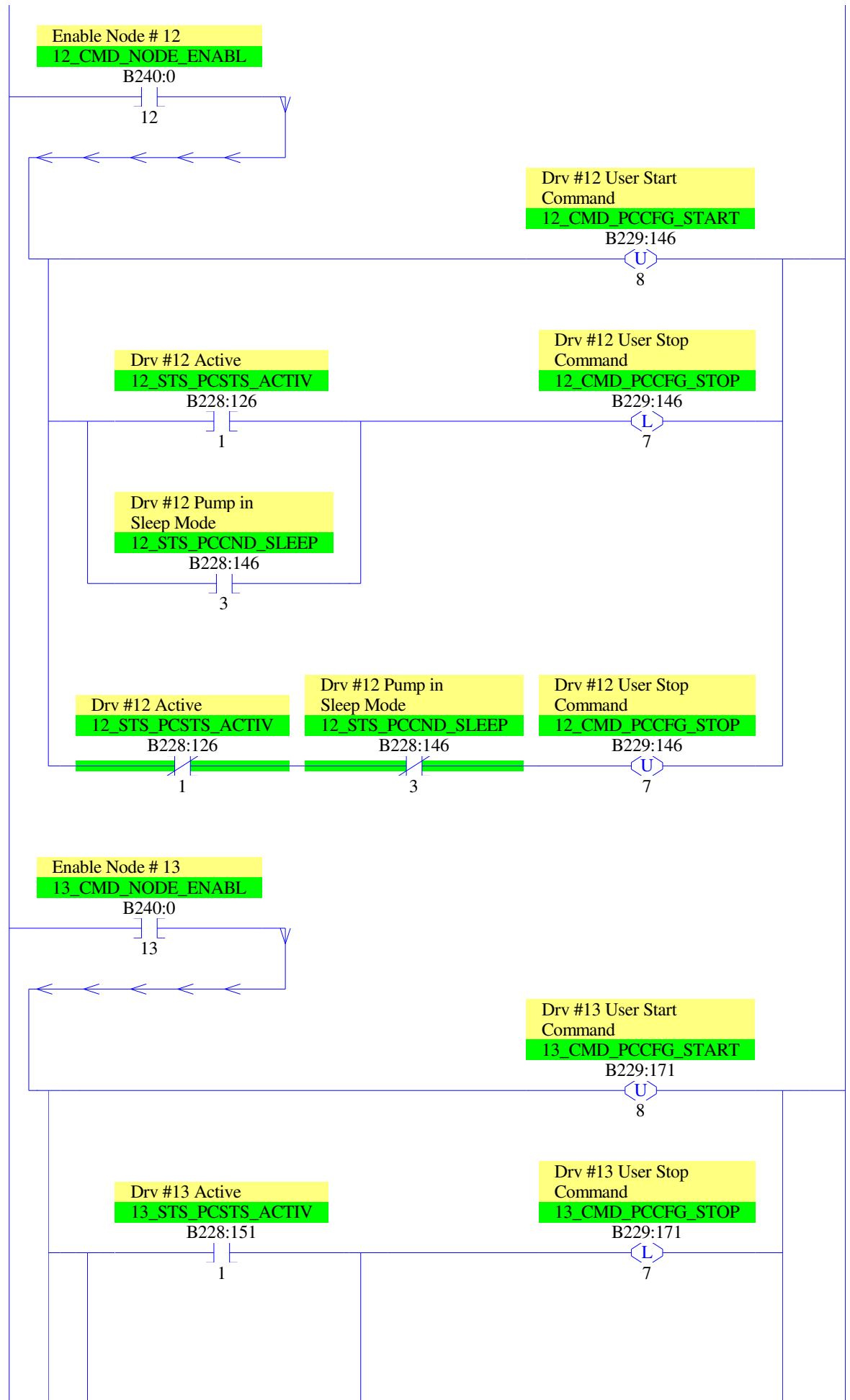


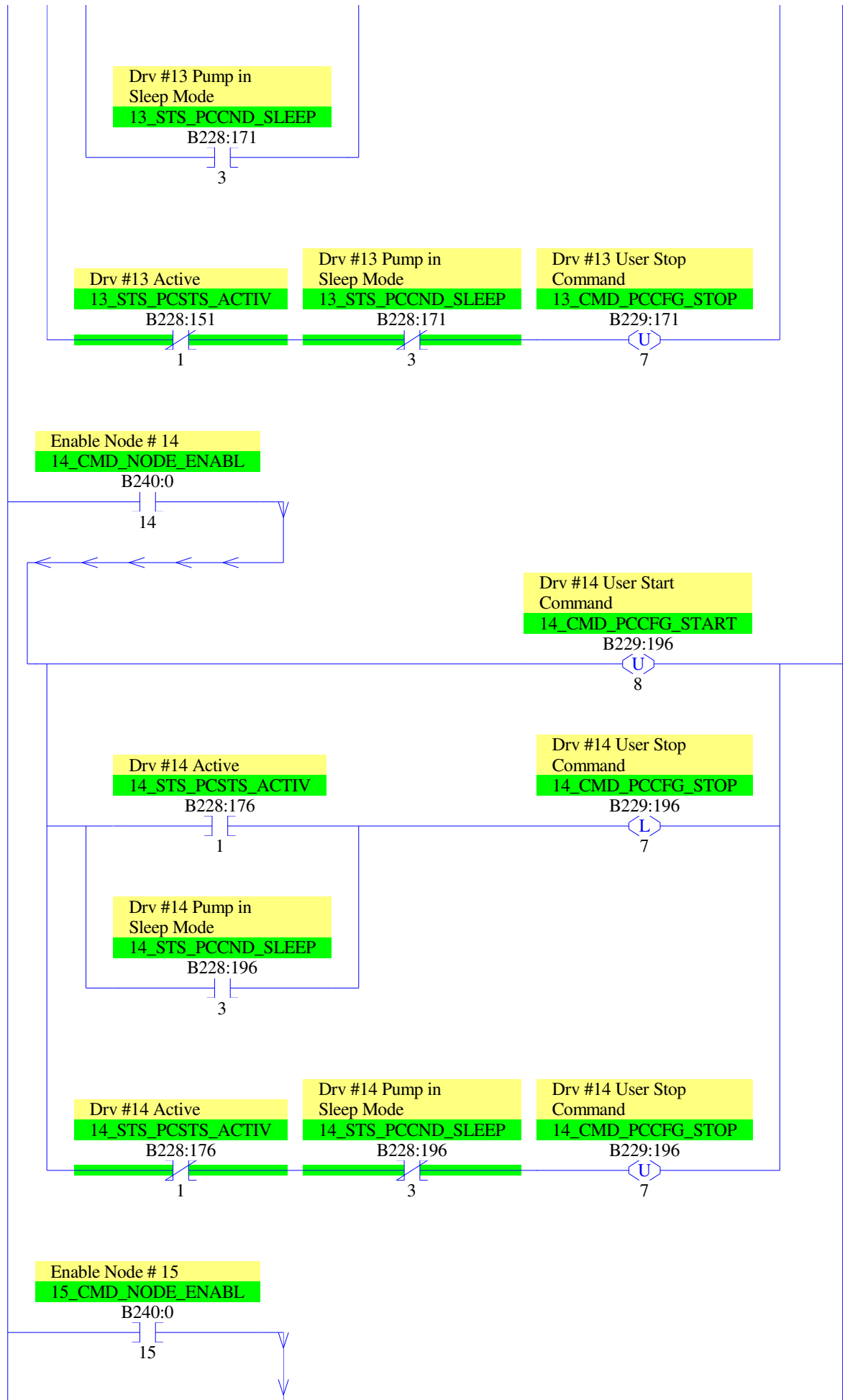


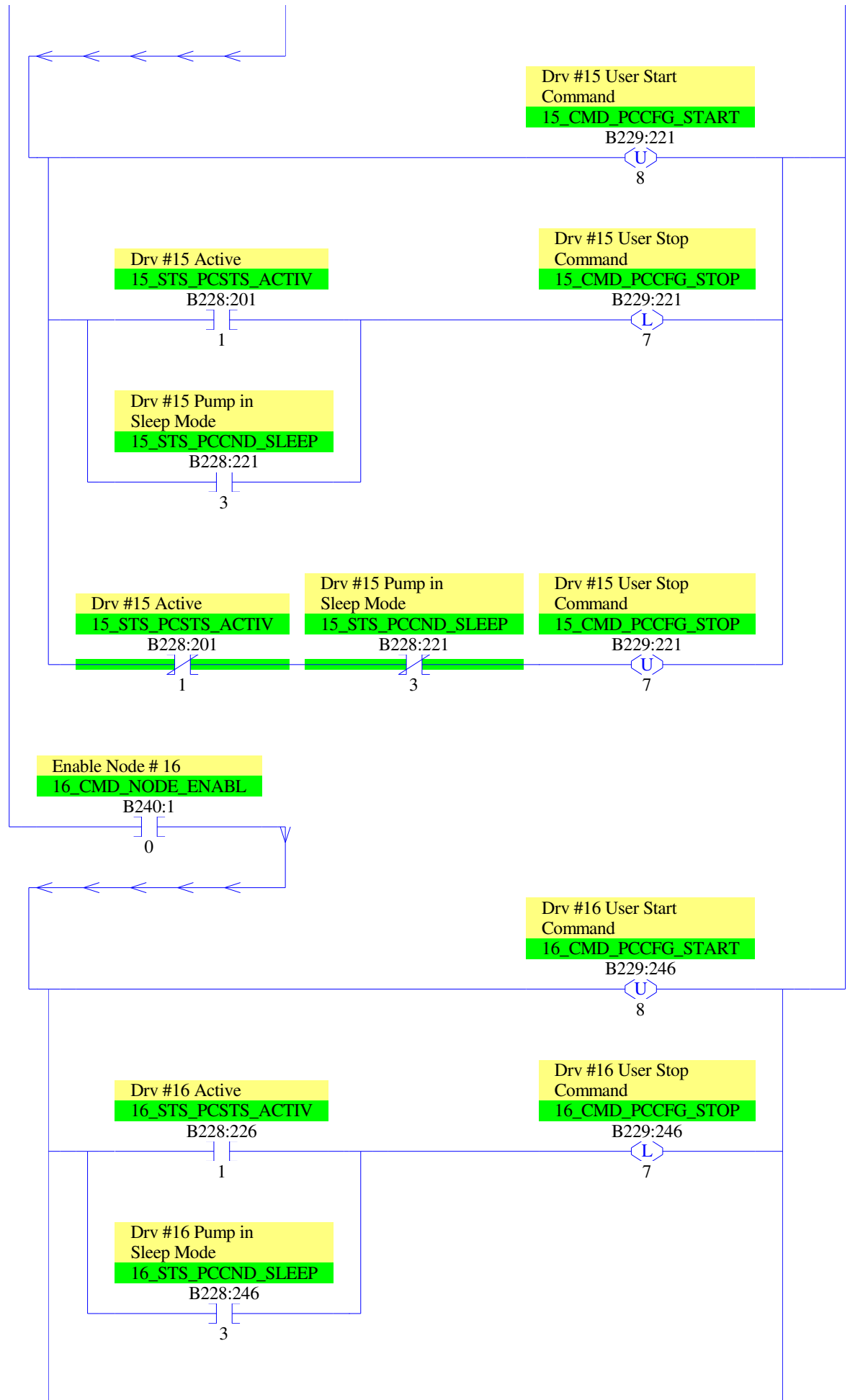




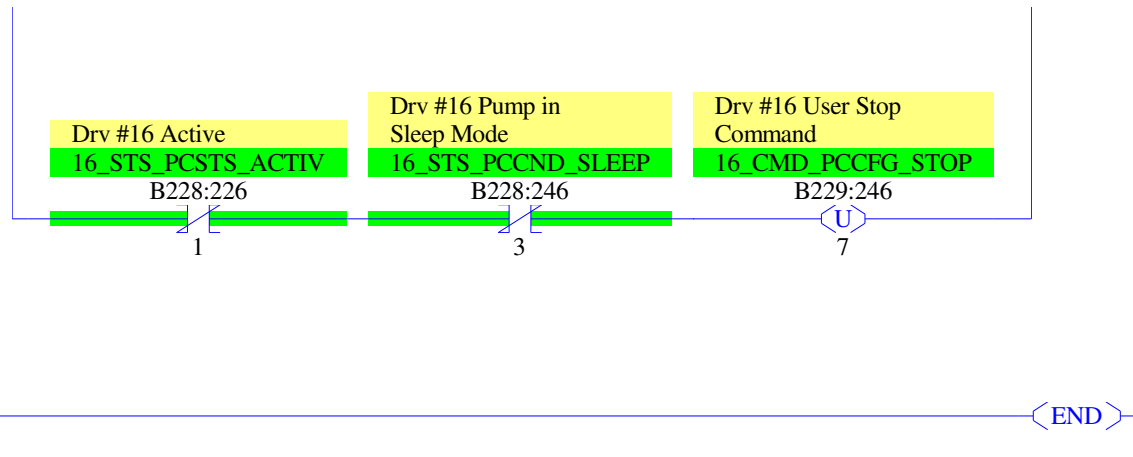








0005



Pump Control Routine

This subroutine controls all of the pump specific functions:

-->Flow Compensation
-->Sleep Mode
-->Initial and Final Ramp (Accel/Decel Rates)
-->Low/No-Flow Detection
-->Dry Pump Detection
-->Run-Out Detection

FIRST RUNG

Copies all of the individual registers for the node currently being scanned into temporary registers, the temporary registers are then used by the subroutine and eventually copied back out.

B228 - PC STATUS
Drive Type Offset

CPT

Compute
Dest

N230:64
50<

Expression ((N241:0 - 8) * 25) + 25

B229 - PC CMMNDS
Command Word Offset

CPT

Compute
Dest

N230:65
50<

Expression ((N241:0 - 8) * 25) + 25

F224 - PC STPTS
Min Speed Offset

CPT

Compute
Dest

N230:66
0<

Expression (N241:0 - 9) * 32

B228 - PC STATUS
Pump Cond Offset

CPT

Compute
Dest

N230:67
71<

Expression ((N241:0 - 9) * 25) + 71

T225 - PC TIMERS Min
Run Delay Timer
Offset

CPT

Compute
Dest

N230:69
18<

Expression ((N241:0 - 9) * 8) + 18

0000

F227 - PC FLOATS
Pressure Setpoint
Compare Word Offset

CPT

Compute

Dest

N230:70

Expression

((N241:0 - 9) * 5) + 167

Drv #X PF4 Class

Drive Type

#X_STS_PCDRV_TYPE

COP

Copy File

Source #B228:[N230:64]

Dest #N230:100

Length 25

Drv #X Command

Word

#X_CMD_PROG_CMD

COP

Copy File

Source #B229:[N230:65]

Dest #N230:125

Length 25

Drv #X Min Speed

[Hz]

#X_CMD_PCMIN_SPD

COP

Copy File

Source #F224:[N230:66]

Dest #F227:100

Length 32

Min Run Delay Timer

#MIN_RUN_TIMER

COP

Copy File

Source #T225:[N230:69]

Dest #T225:10

Length 8

Pressure Setpoint

Compare Word [P]

#PRS_STPT_CMPAR

COP

Copy File

Source #F227:[N230:70]

Dest #F227:162

Length 5

Speed Feedback [Hz]

SPEED_FDBCK

DIV

Divide

Source A N230:104
0<

Source B B228:1
0000000001100100<

Dest F227:132
0.0<

Analog Inp 1 [%]

ANALOG_IN_1

DIV

Divide

Source A N230:108
5<

Source B B228:32
0000000000001010<

Dest F227:133
0.5<

Output Current [A]

OUTPUT_CURRENT

DIV

Divide

Source A N230:105
0<

Source B B228:2
0000000000001010<

Dest F227:144
0.0<

Output Voltage [V]

OUTPUT_VOLTAGE

DIV

Divide

Source A N230:107
0<

Source B B228:3
0000000000000001<

Dest F227:145
0.0<

PID Setpoint [%]

PID_SETPOINT

DIV

Divide

Source A N230:143
0<

Source B B228:41
0000000000001010<

Dest F227:137
-1.#IND<

Min Run Delay Timer

MIN_RUN_TIMER.PRE

MUL

Multiply

Source A F227:116
0.0<

Source B 100.0
100.0<

Dest T225:10.PRE
0<

Low/No-Flow Detect
Delay Timer

LO_FLO_TIMER.PRE

MUL

Multiply

Source A F227:117
0.0<

Source B 100.0
100.0<

Dest T225:11.PRE
0<

Max Boost Timer

MAX_BST_TIMER.PRE

MUL

Multiply

Source A F227:120
0.0<

Source B 100.0
100.0<

Dest T225:12.PRE
0<

Min Sleep Timer

MIN_SLP_TIMER.PRE

MUL

Multiply

Source A F227:121
0.0<

Source B 100.0
100.0<

Dest T225:13.PRE
0<

Run-Out Detect Delay
Timer

RUN_OUT_TIMER.PRE

MUL

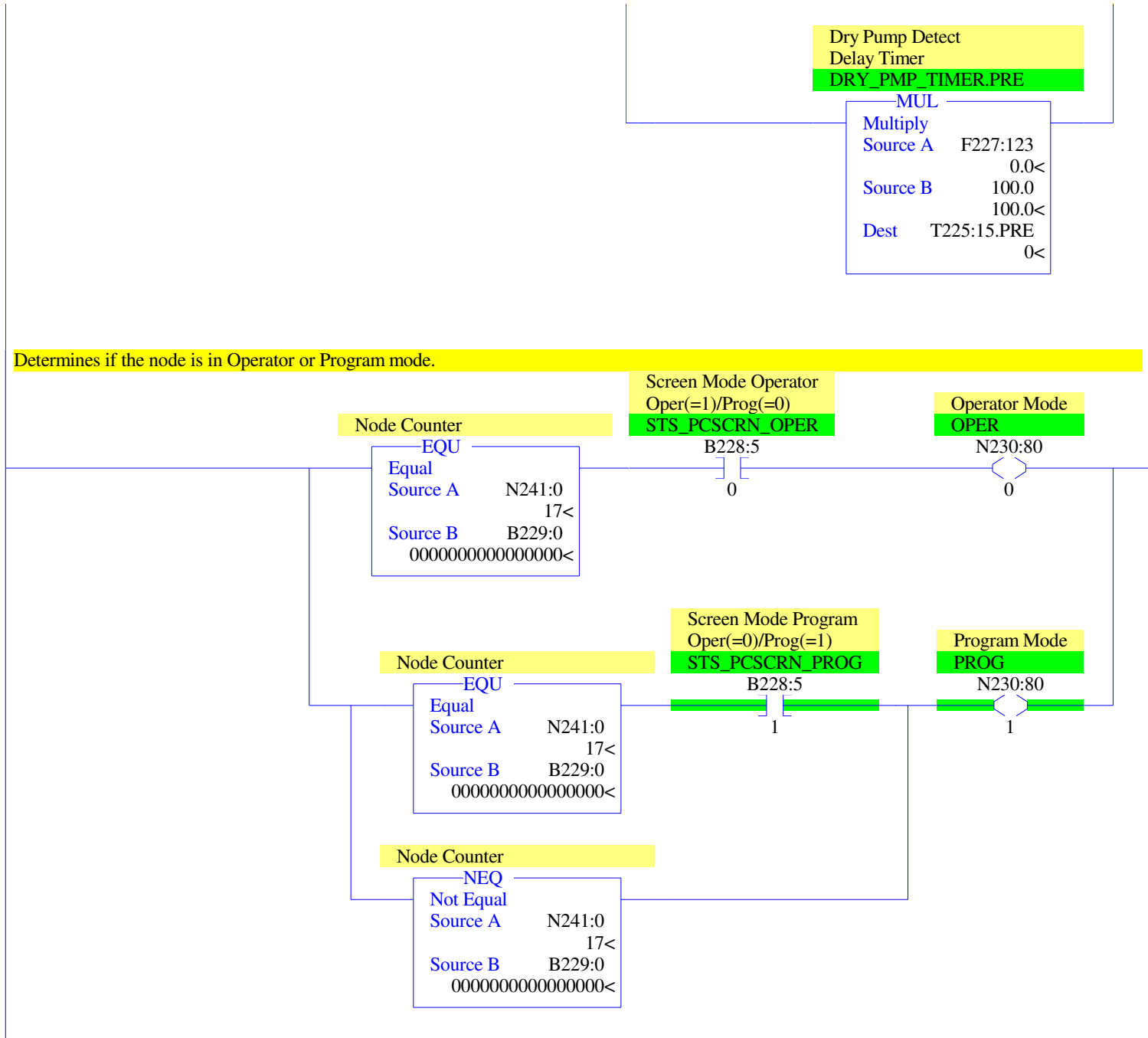
Multiply

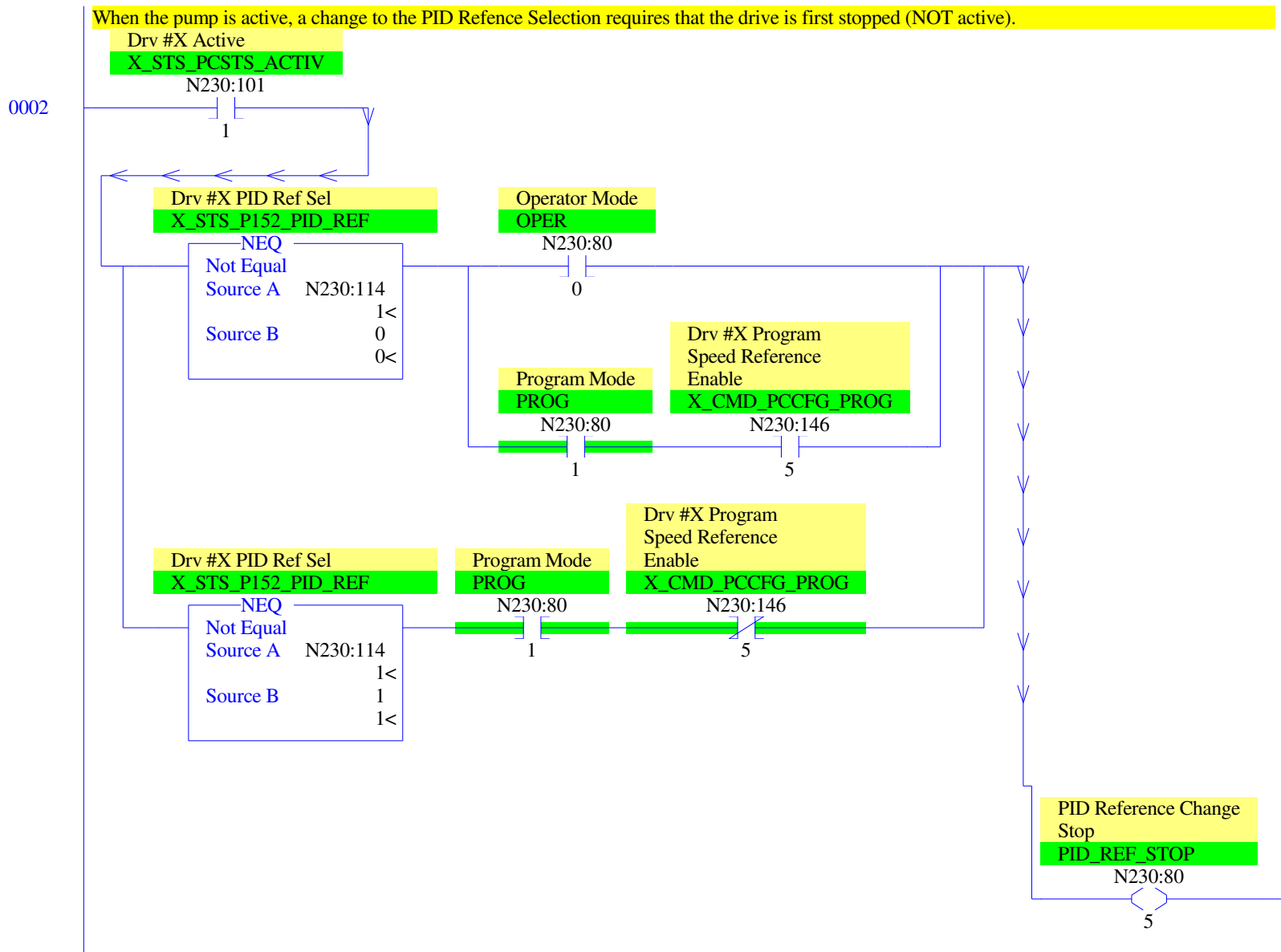
Source A F227:122
0.0<

Source B 100.0
100.0<

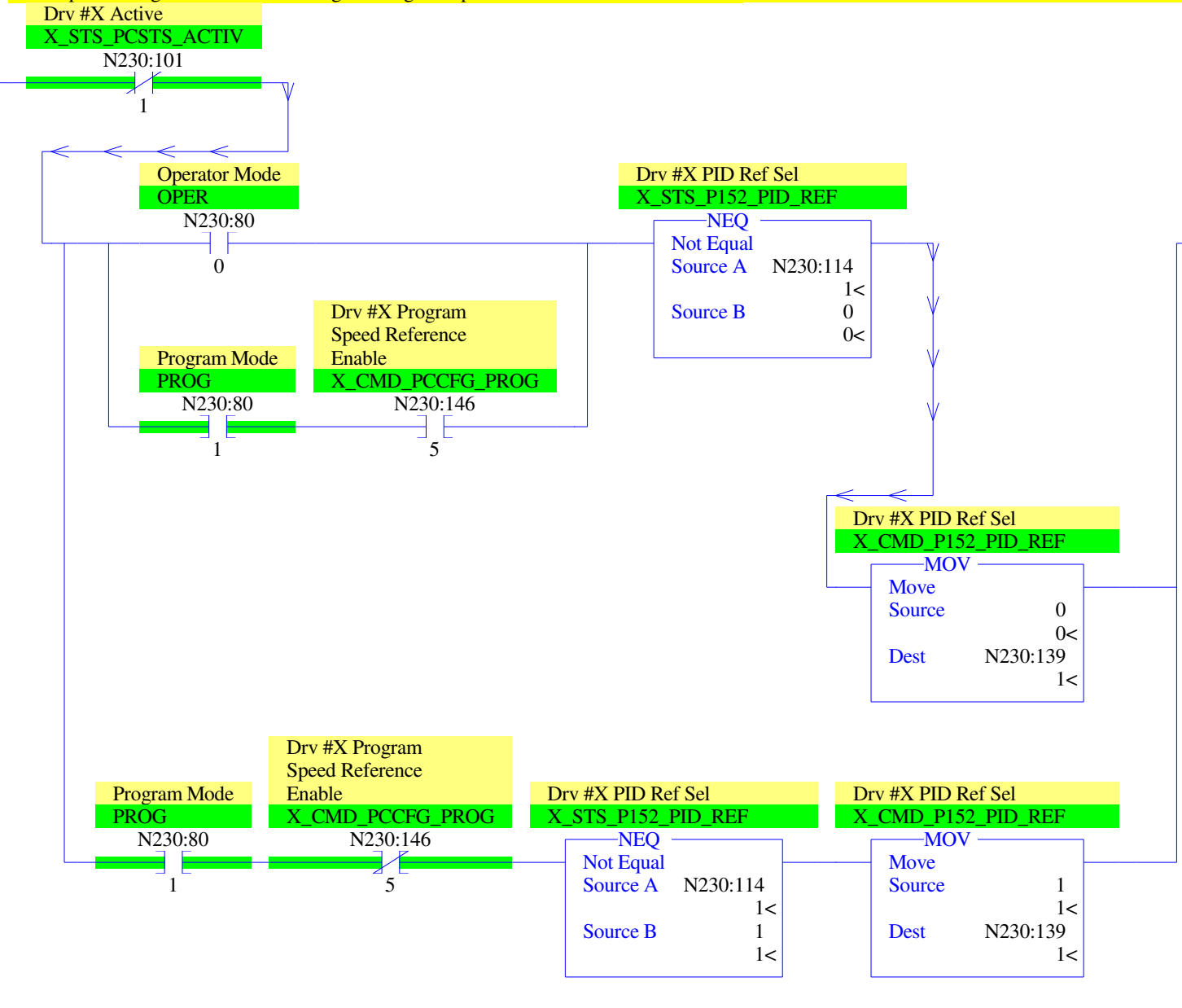
Dest T225:14.PRE
0<

0001



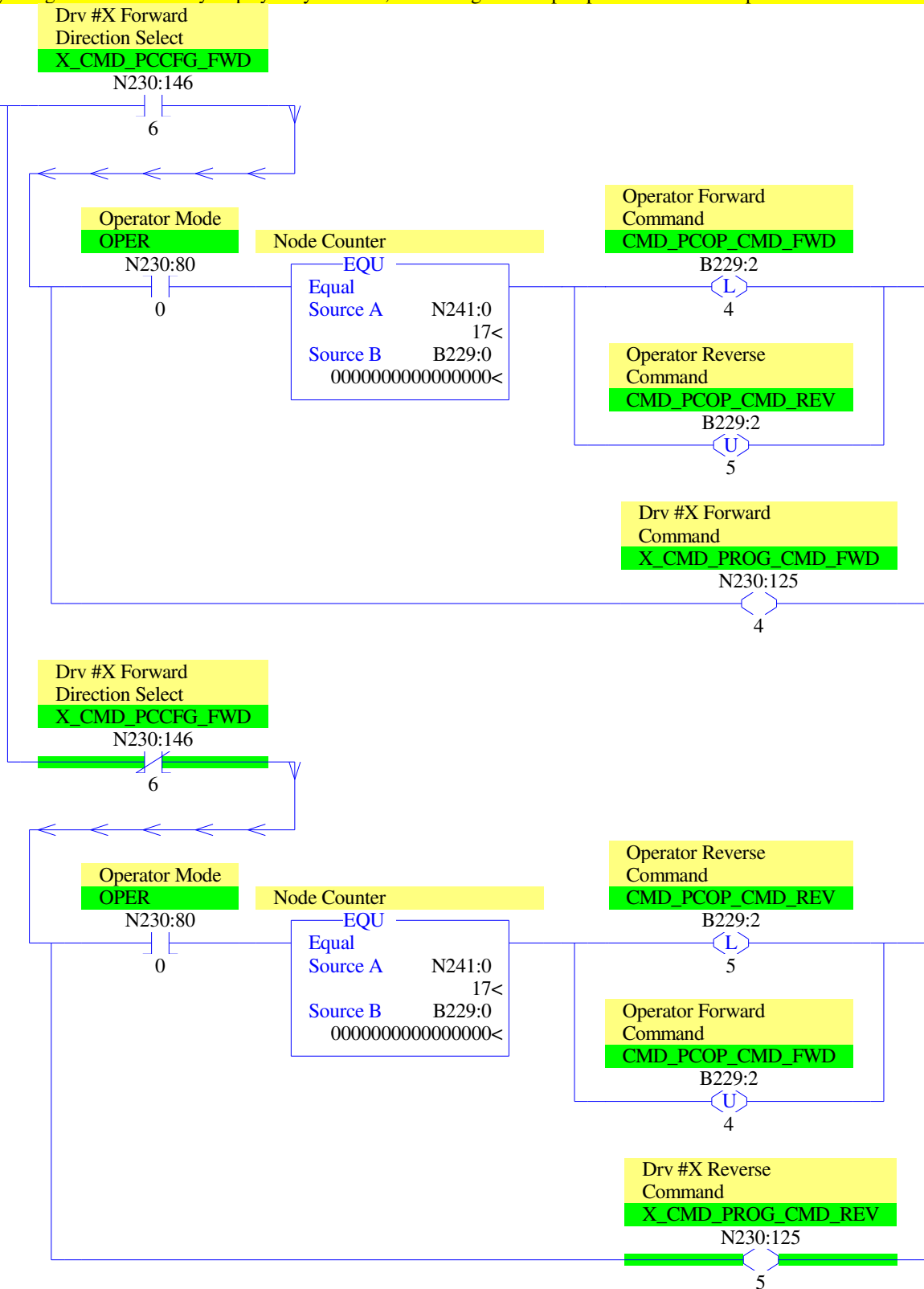


--> Pump is in Program mode and a change to Program Speed Reference Enable bit is made.



If the node currently being scanned is actively displayed by the HMI, then changes to the pump direction will be updated.

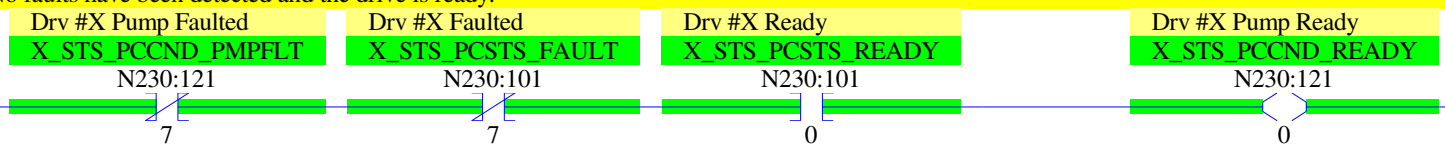
0004

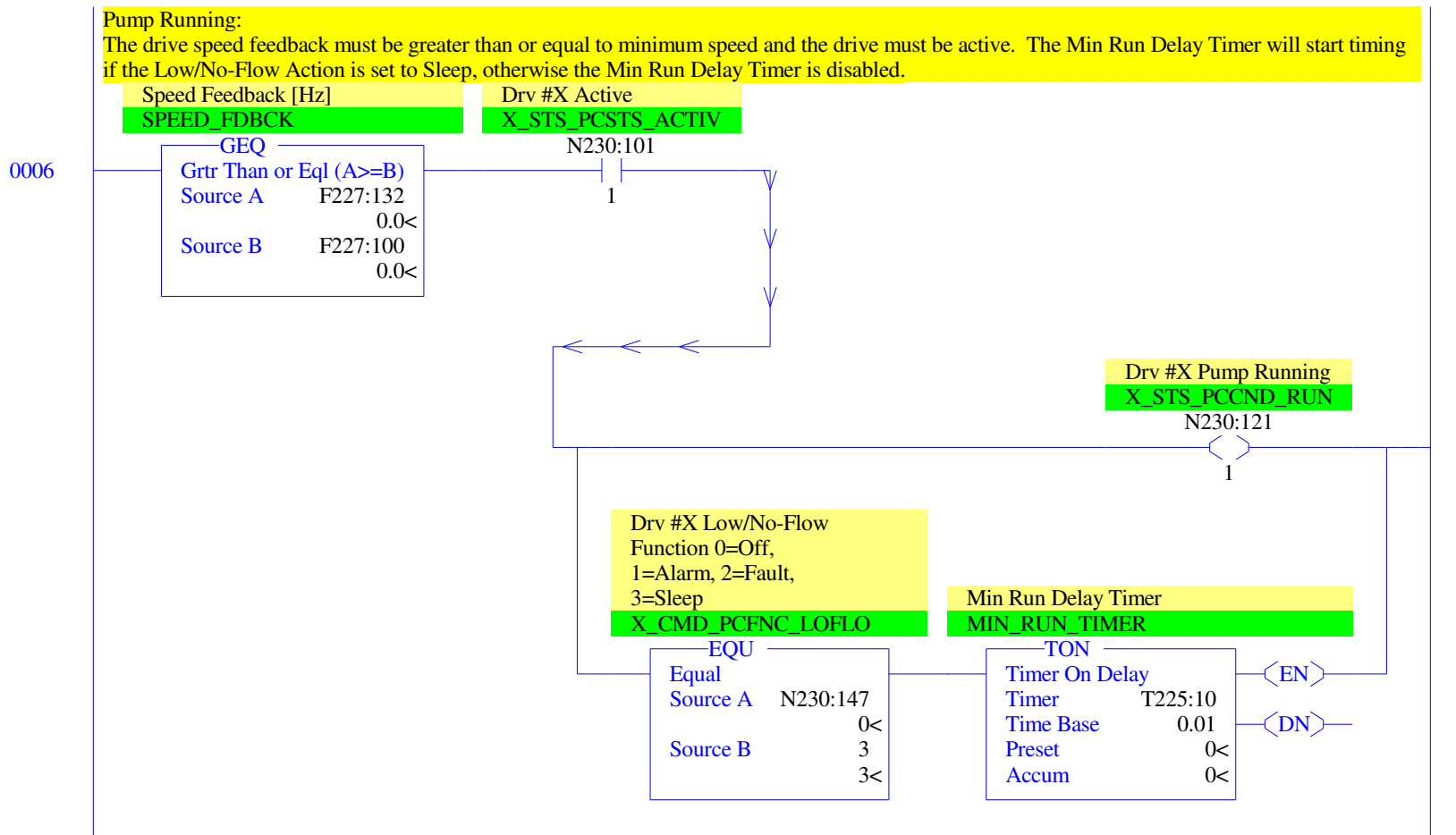


Pump Ready:

No faults have been detected and the drive is ready.

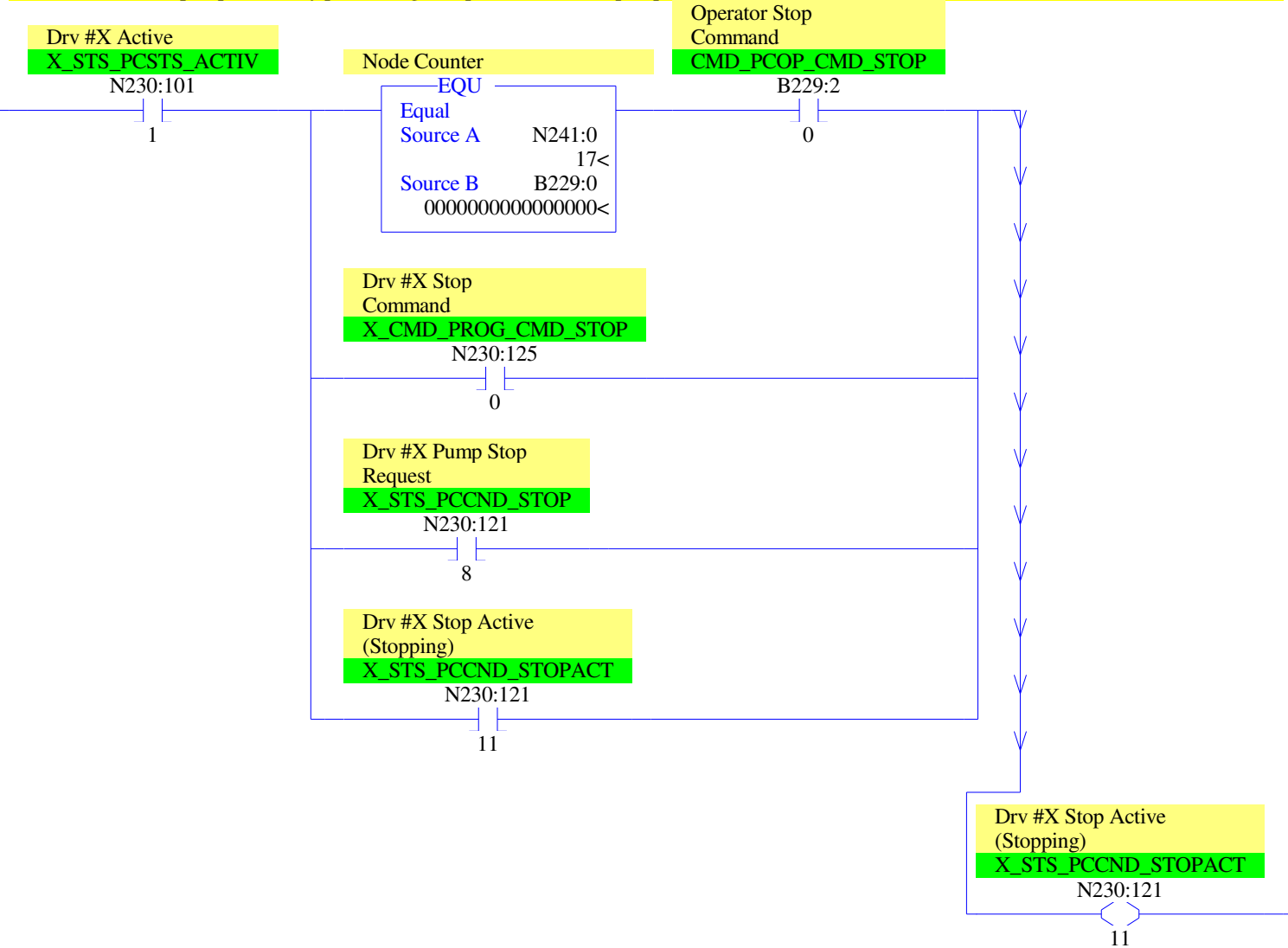
0005





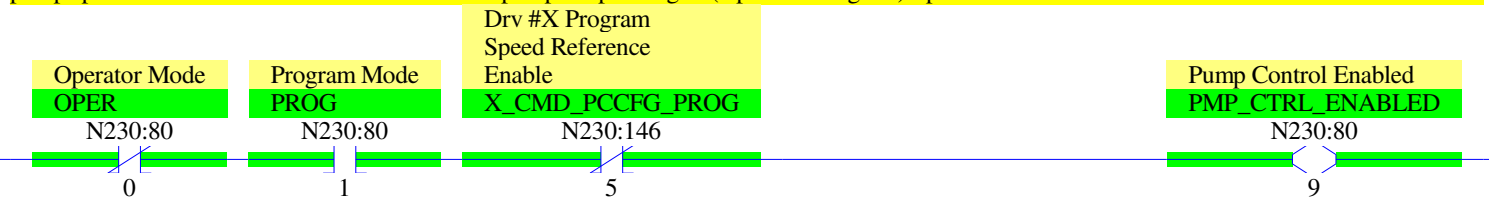
Checks to see if the pump is actively performing a stop. Whenever the pump is stopping, Flow Compensation is disabled.

0007



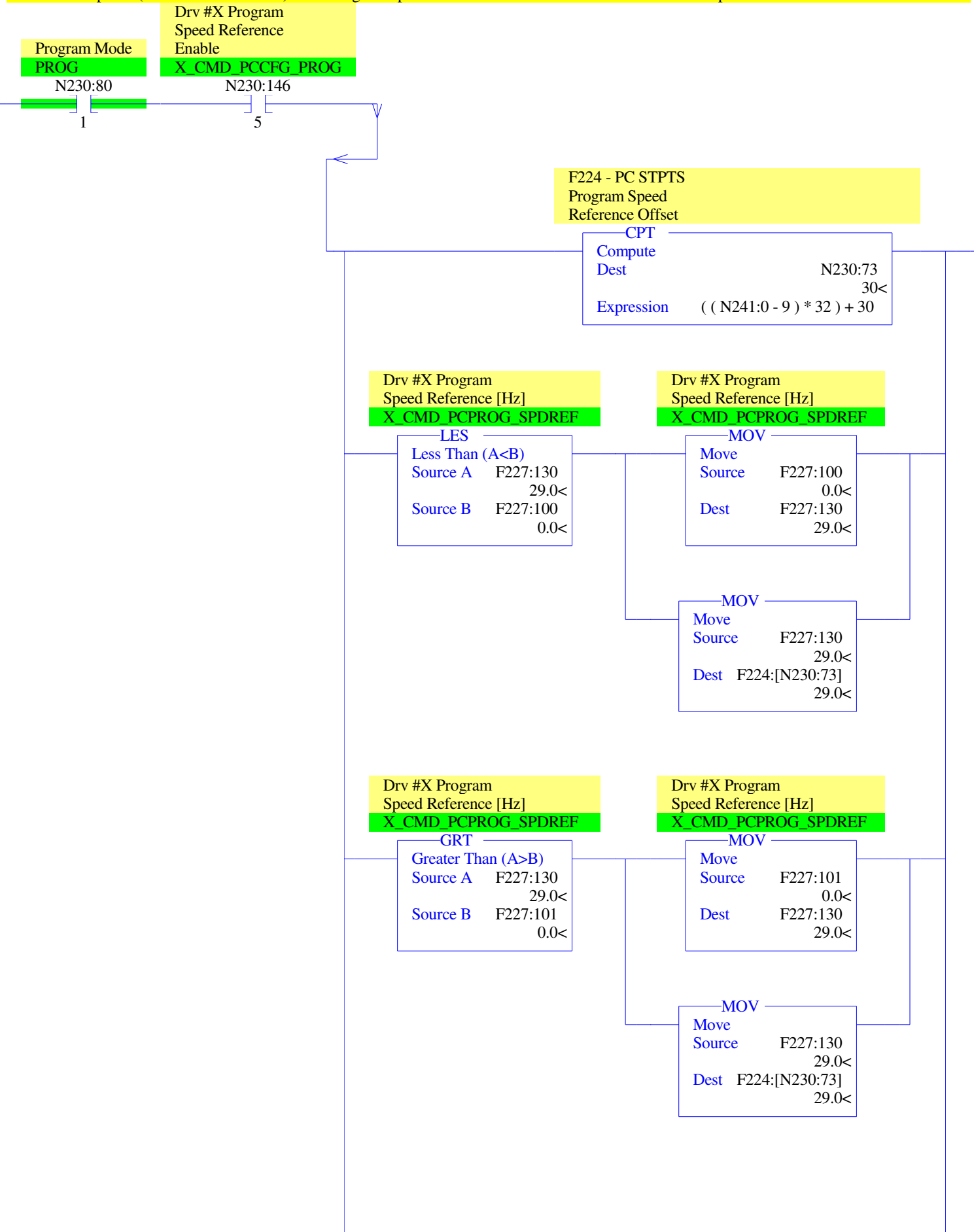
The pump specific features are enabled when the pump is in Program Pressure mode (Program mode, Program Speed Reference Enable = 0). The pump specific features are disabled whenever the pump is operating in (Operator/Program) Speed mode.

0008



If the pump is in Program Speed mode (Program mode, Program Speed Reference Enable = 1), the Program Speed Reference is validated between the min/max speeds (and coerced if invalid). The Program Speed Reference is then scaled and written to the Speed Reference.

0009

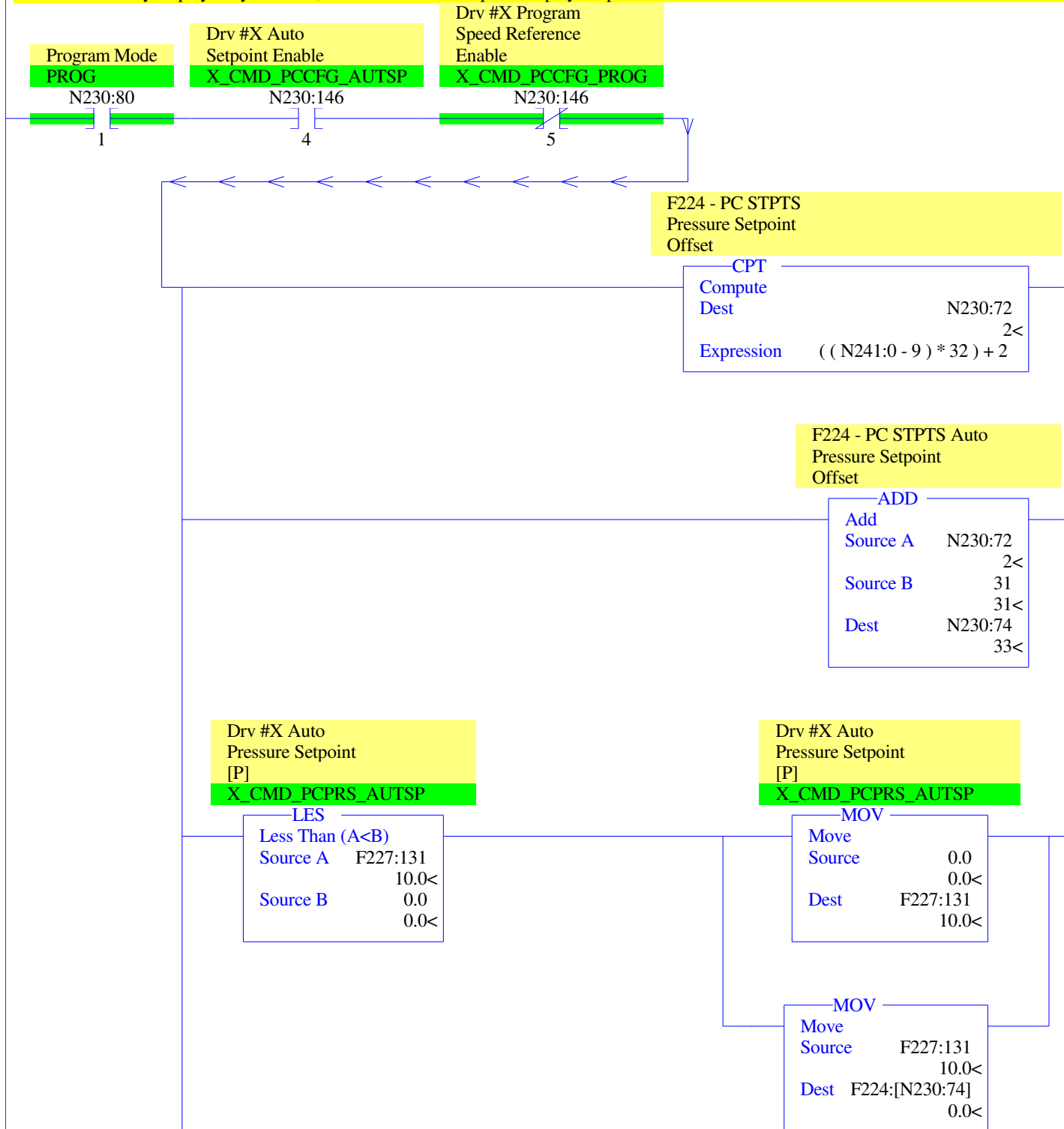


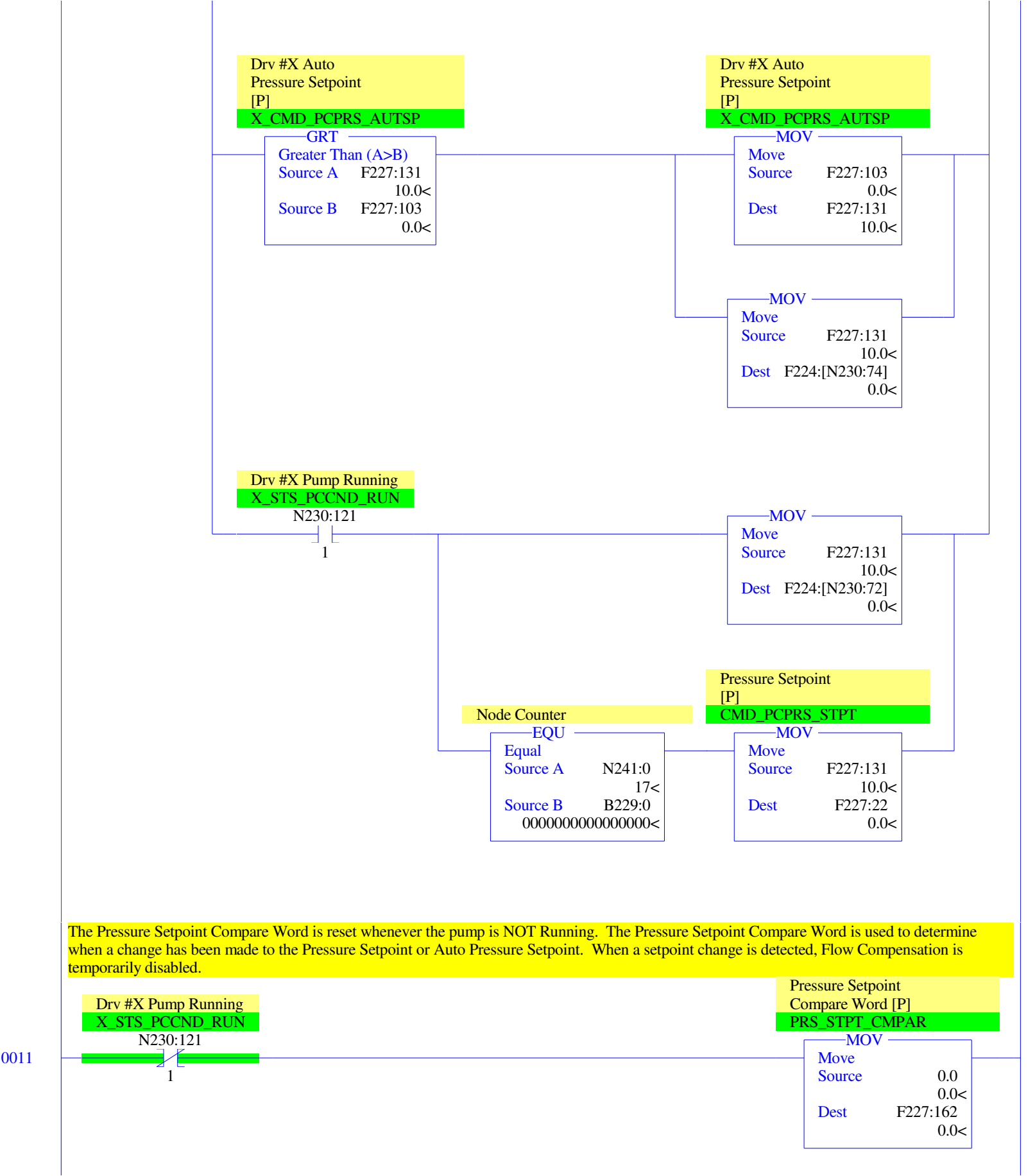
Drv #X Speed
Reference
X_CMD_PROG_CMD_SPDR

MUL
Multiply
Source A F227:130
29.0<
Source B B228:1
0000000001100100<
Dest N230:126
5000<

If the pump is in Auto Pressure Setpoint control (Program mode, Auto Setpoint Enable = 1, Program Speed Reference = 0), the Auto Pressure Setpoint is validated (and coerced if invalid). The Auto Pressure Setpoint is then written to the Pressure Setpoint. If the node currently being scanned is actively displayed by the HMI, then the Pressure Setpoint display is updated.

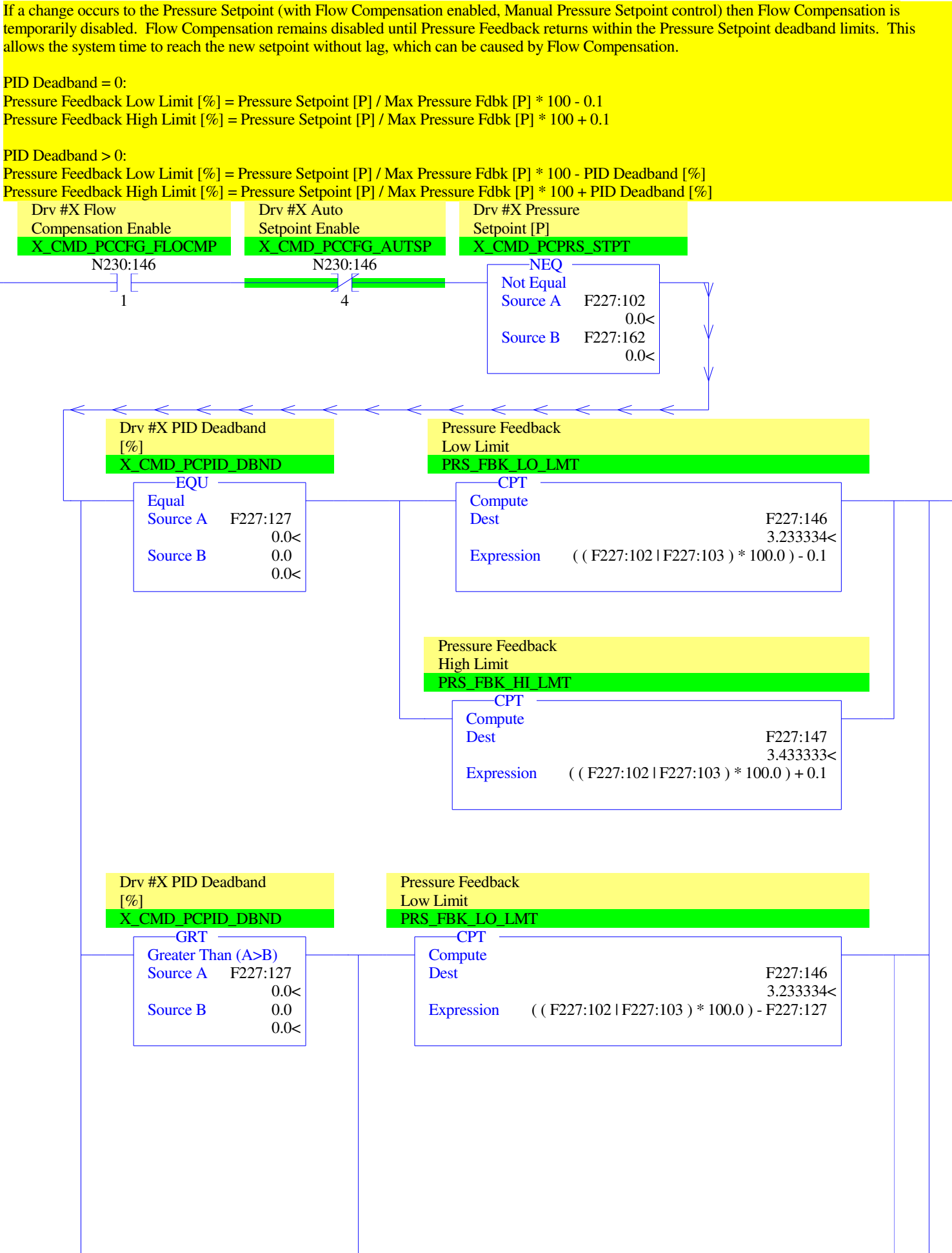
0010

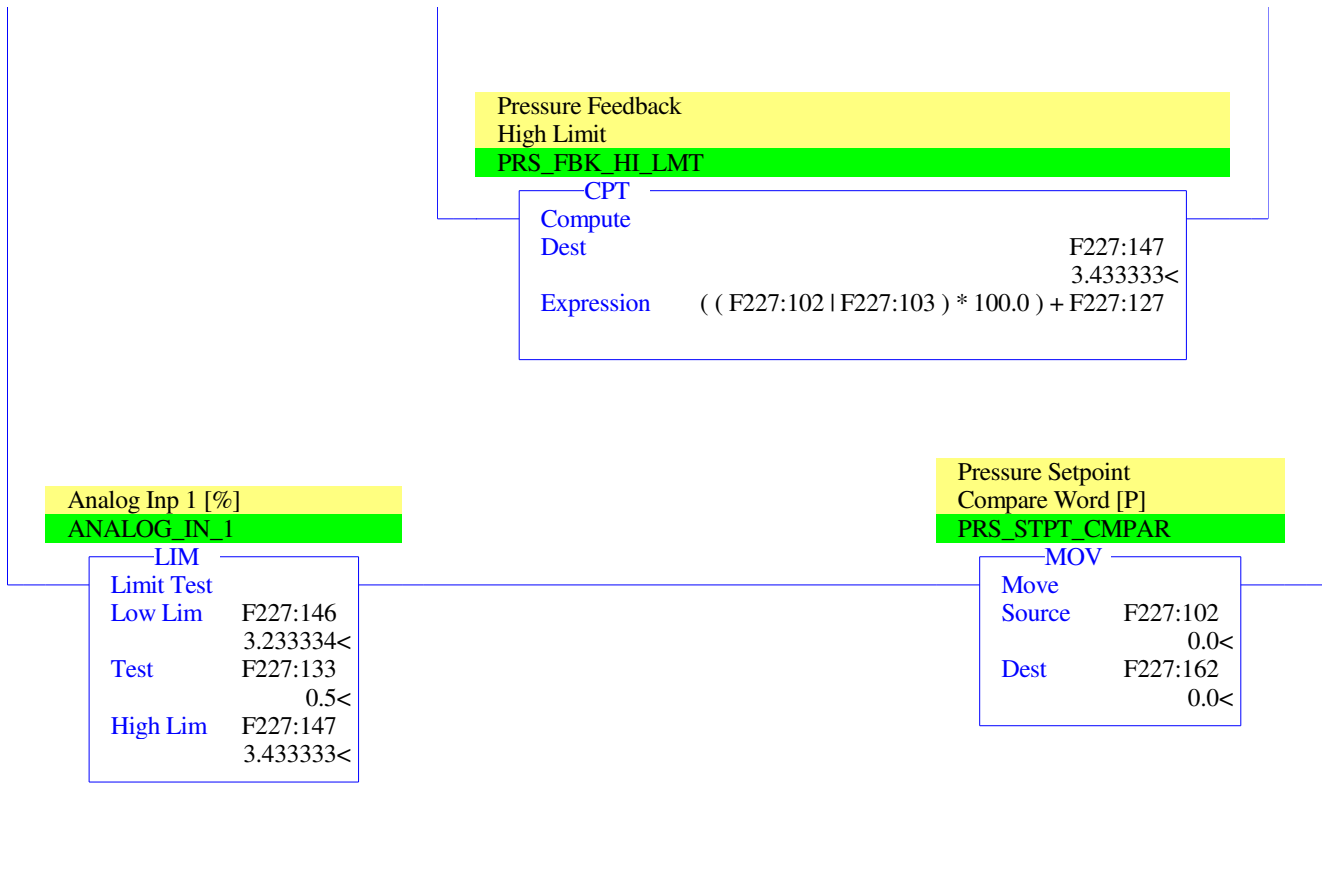




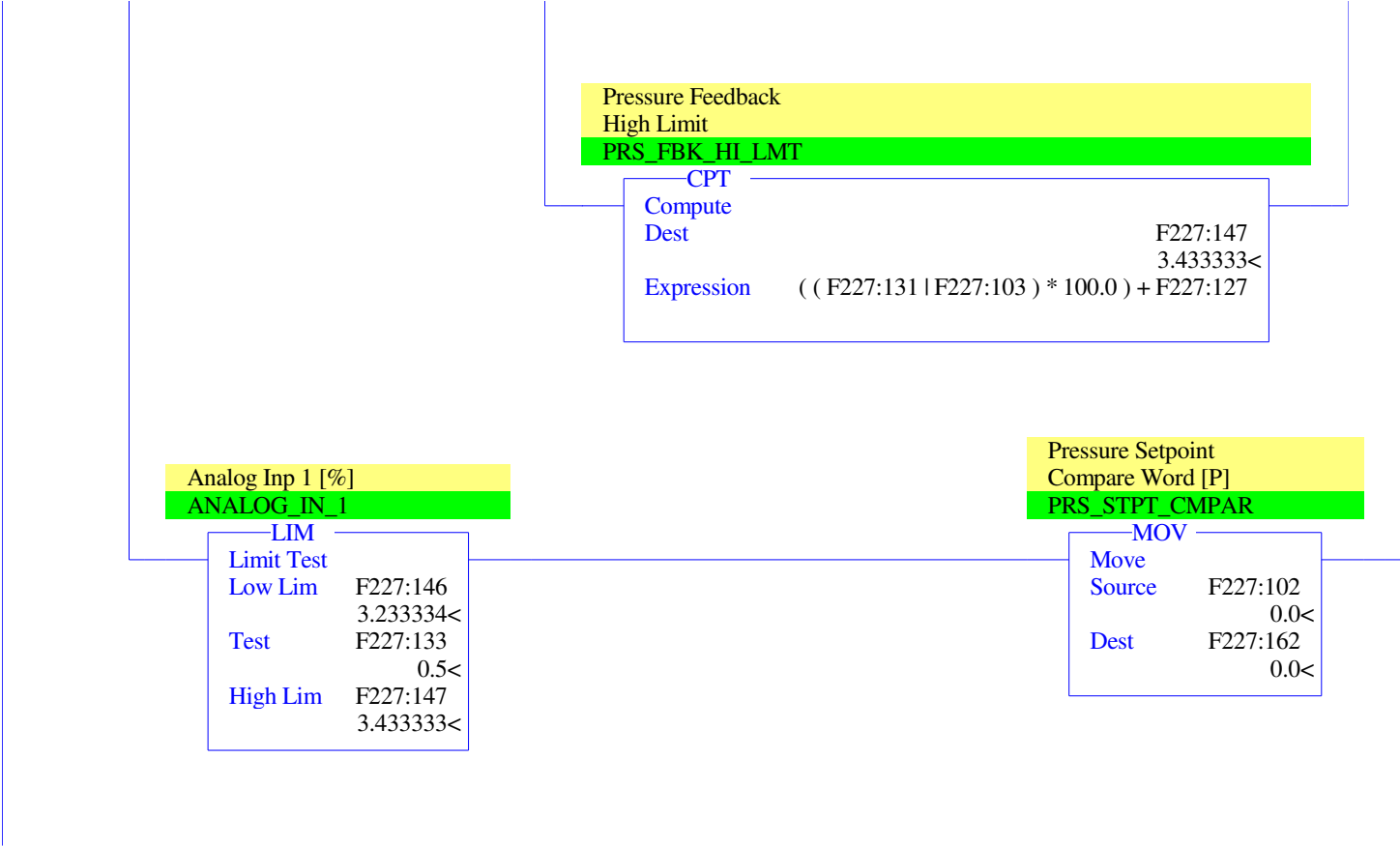
0011

0012

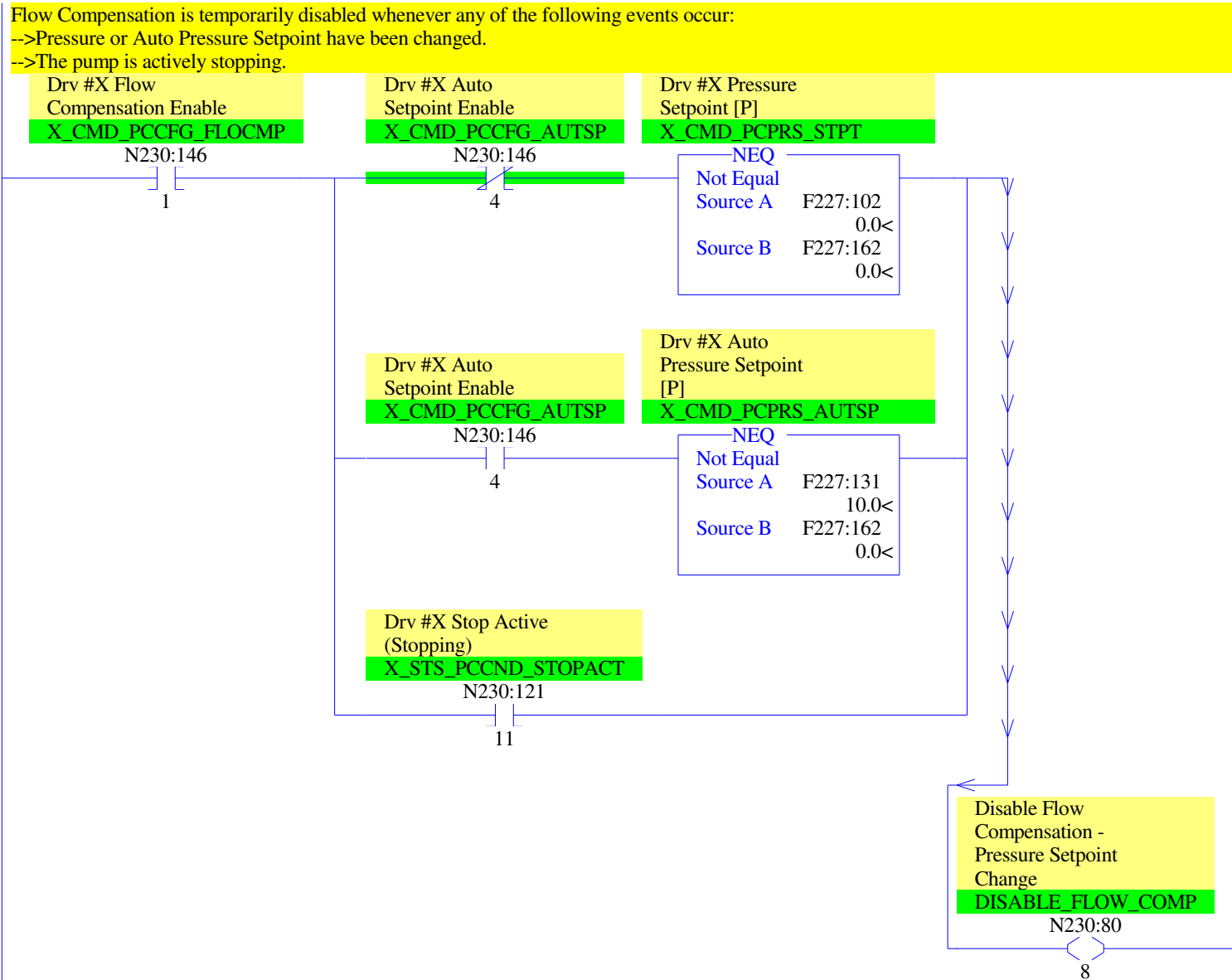




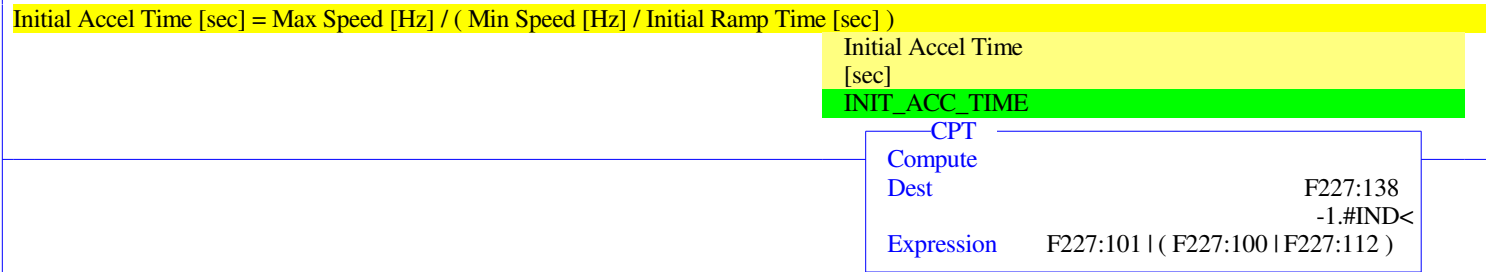
$$\text{Pressure Feedback High Limit [\%]} = \text{Auto Pressure Setpoint [P]} / \text{Max Pressure Fdbk [P]} * 100 + \text{PID Deadband [\%]}$$

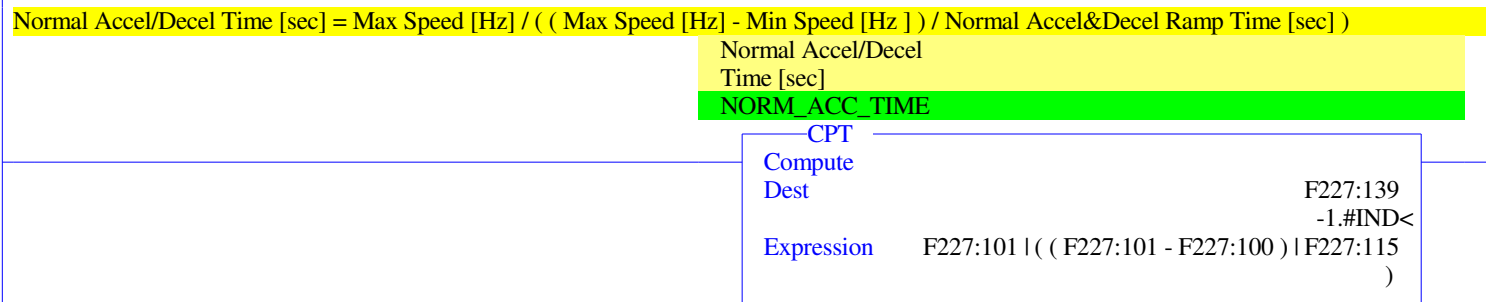
0014



0015



0016





Set Decel Time 1:

Speed Fdbk >= Min Speed --> Normal Accel/Decel Time

Min Speed > Speed Fdbk >= End Speed --> End Speed Decel Time

Speed Fdbk <= End Speed --> Normal Accel/Decel Time

0019

Speed Feedback [Hz]

SPEED_FDBCK

Decel Time 1 [sec]

DECEL_TIME1

GEQ

Grtr Than or Eql (A>=B)

Source A F227:132

0.0<

Source B F227:100

0.0<

MOV

Move

Source F227:139

-1.#IND<

Dest F227:136

-1.#IND<

Speed Feedback [Hz]

SPEED_FDBCK

Decel Time 1 [sec]

DECEL_TIME1

LIM

Limit Test

Low Lim F227:114

0.0<

Test F227:132

0.0<

High Lim F227:100

0.0<

MOV

Move

Source F227:140

-1.#IND<

Dest F227:136

-1.#IND<

Speed Feedback [Hz]

SPEED_FDBCK

Decel Time 1 [sec]

DECEL_TIME1

LEQ

Less Than or Eql (A<=B)

Source A F227:132

0.0<

Source B F227:114

0.0<

MOV

Move

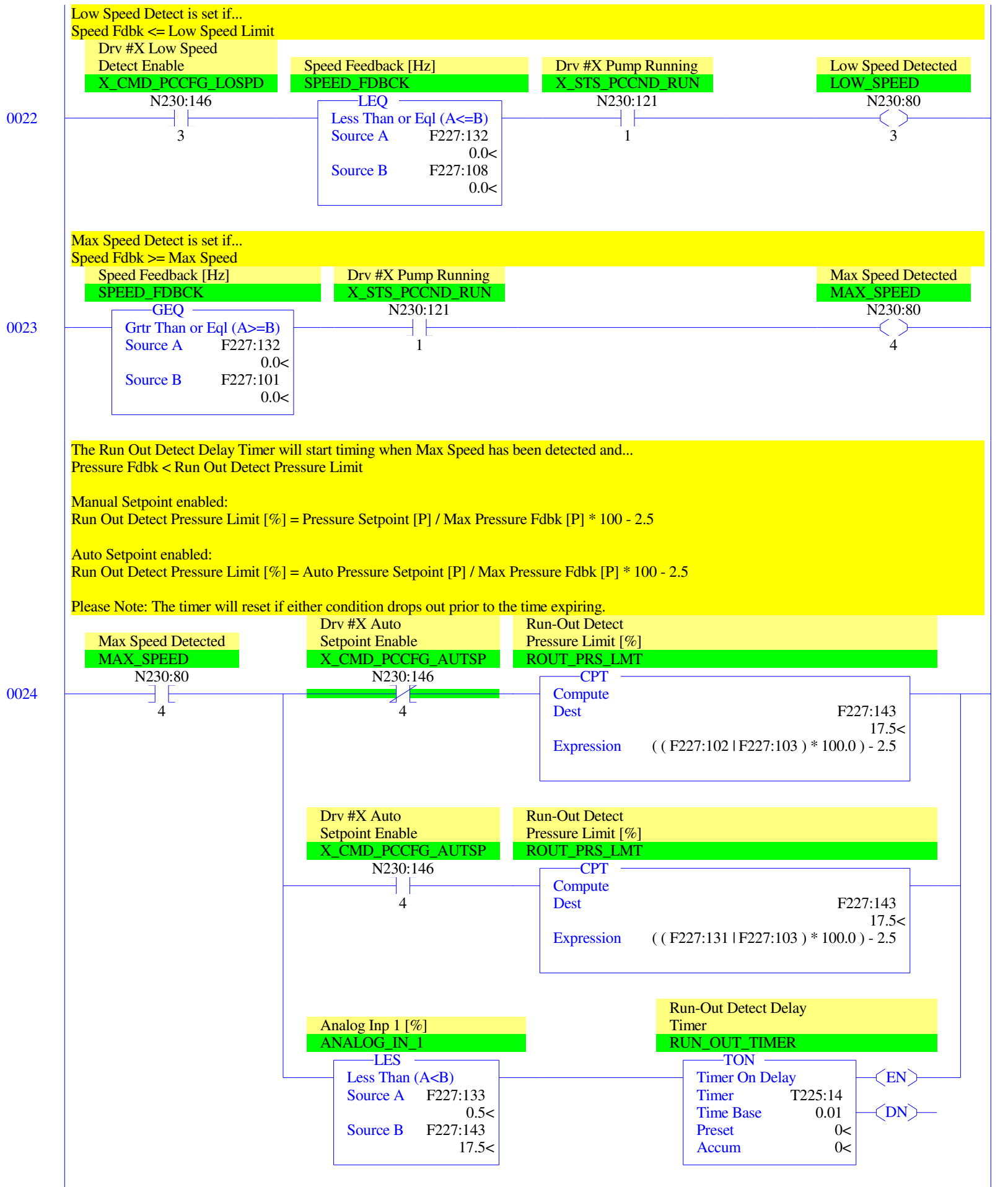
Source F227:139

-1.#IND<

Dest F227:136

-1.#IND<



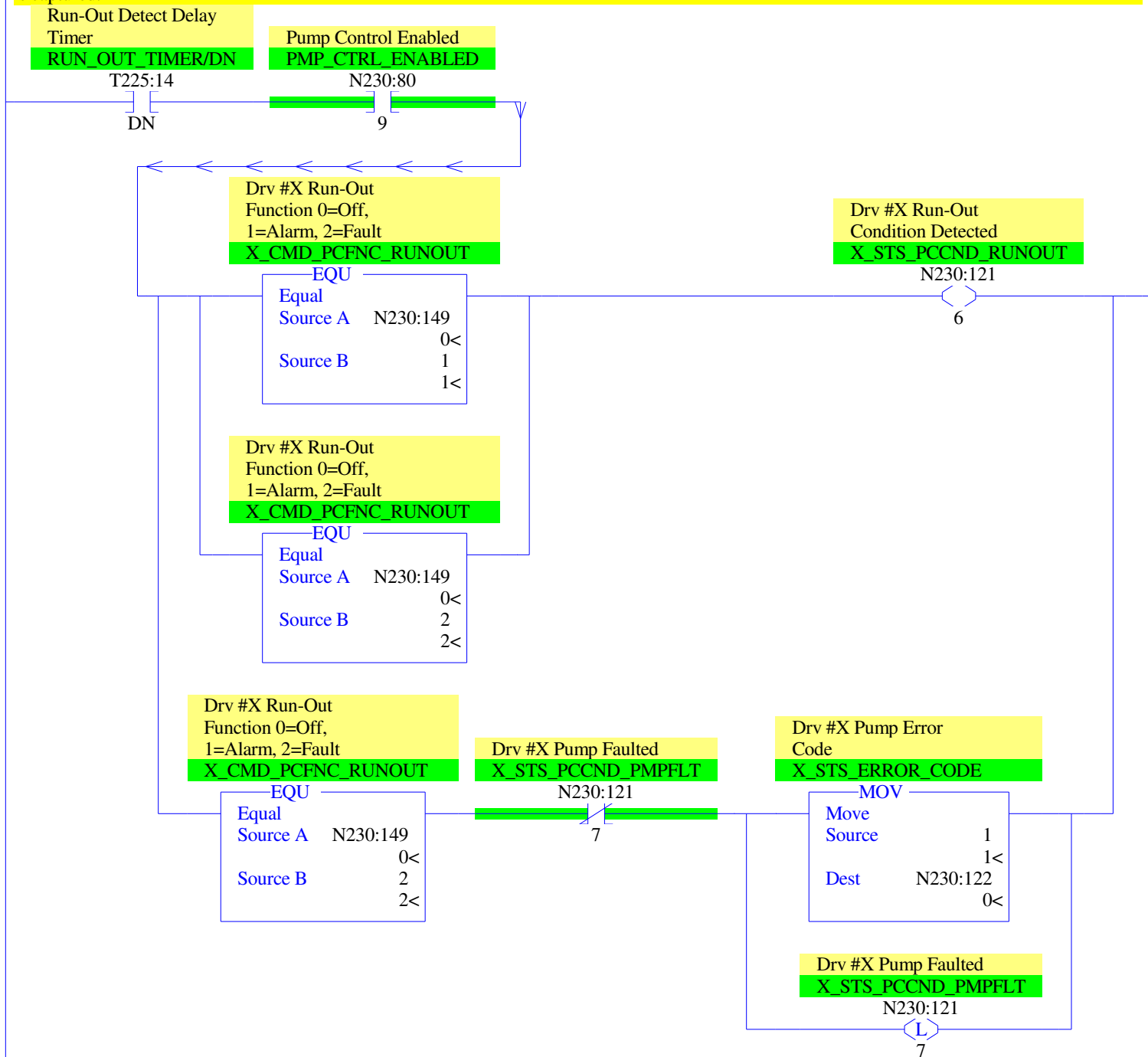


Once the Run-Out Detect Delay Timer has expired, the following will occur:

-->If the Run-Out Function is set to Alarm or Fault mode, the Run-Out Condition Detected bit is set.

-->If the Run-Out Function is set to Fault and a pump fault has not already been detected, then the Pump Faulted bit is set and the Pump Error Code is captured.

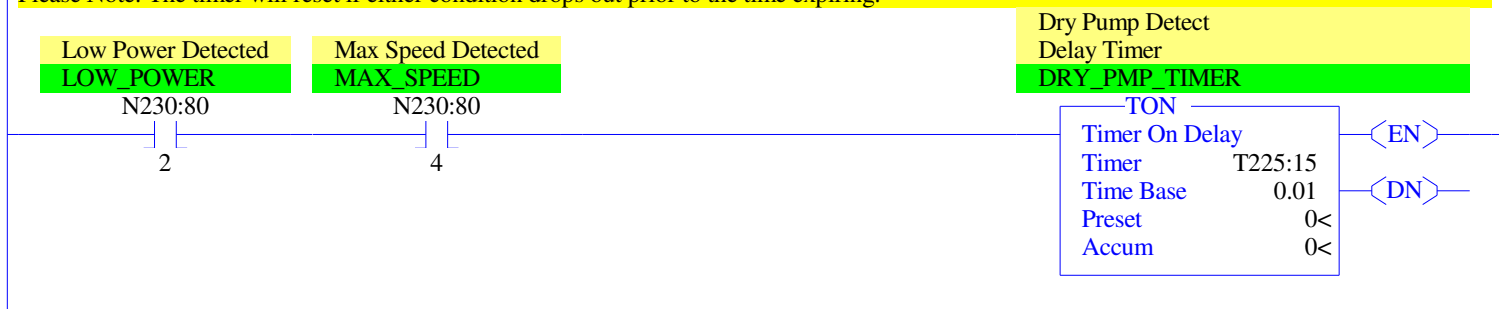
0025



The Run-Out Detect Delay Timer will start timing when Low Power and Max Speed have been detected.

Please Note: The timer will reset if either condition drops out prior to the time expiring.

0026

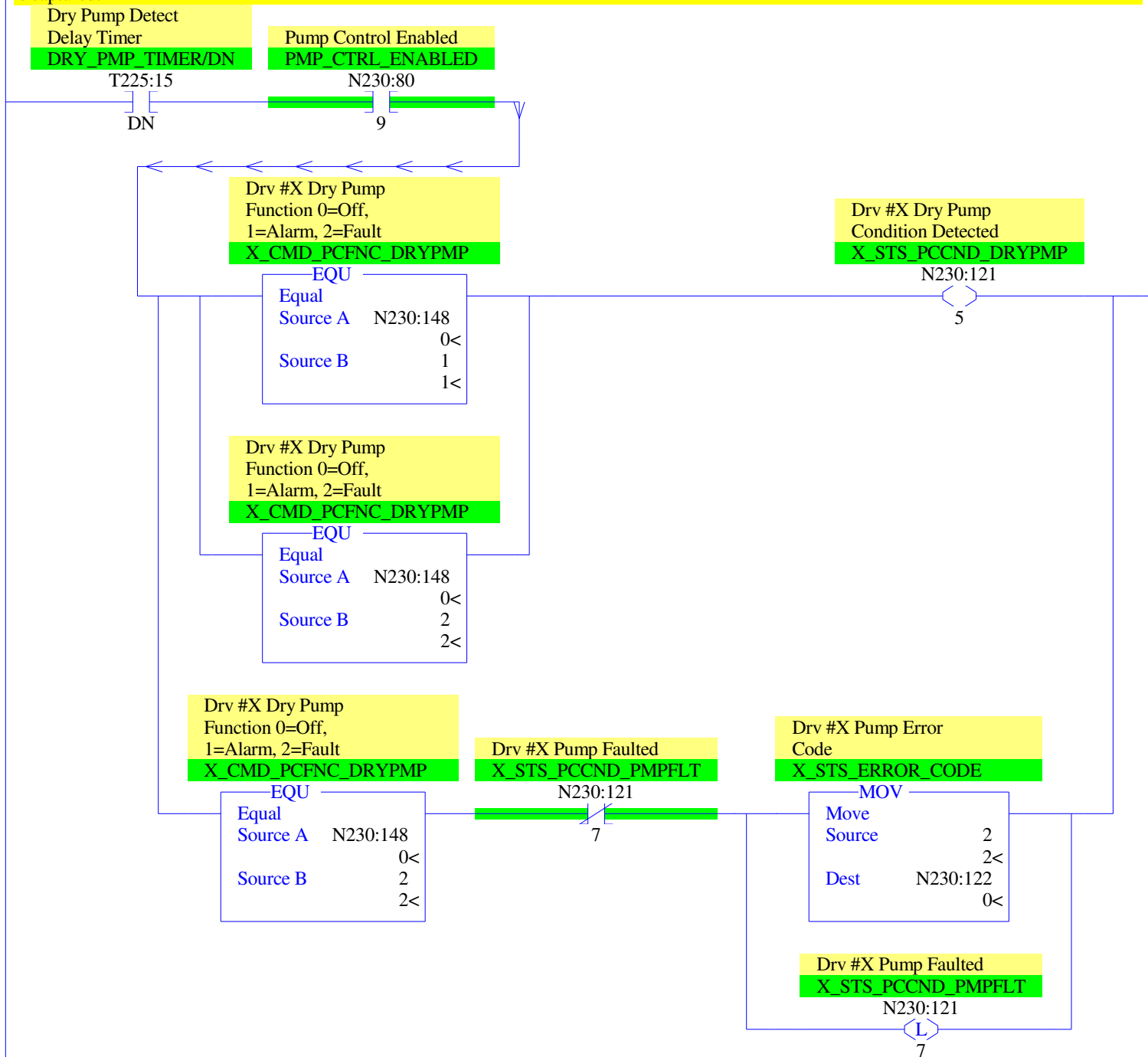


Once the Dry Pump Detect Delay Timer has expired, the following will occur:

-->If the Dry Pump Function is set to Alarm or Fault mode, the Dry Pump Condition Detected bit is set.

-->If the Dry Pump Function is set to Fault and a pump fault has not already been detected, then the Pump Faulted bit is set and the Pump Error Code is captured.

0027

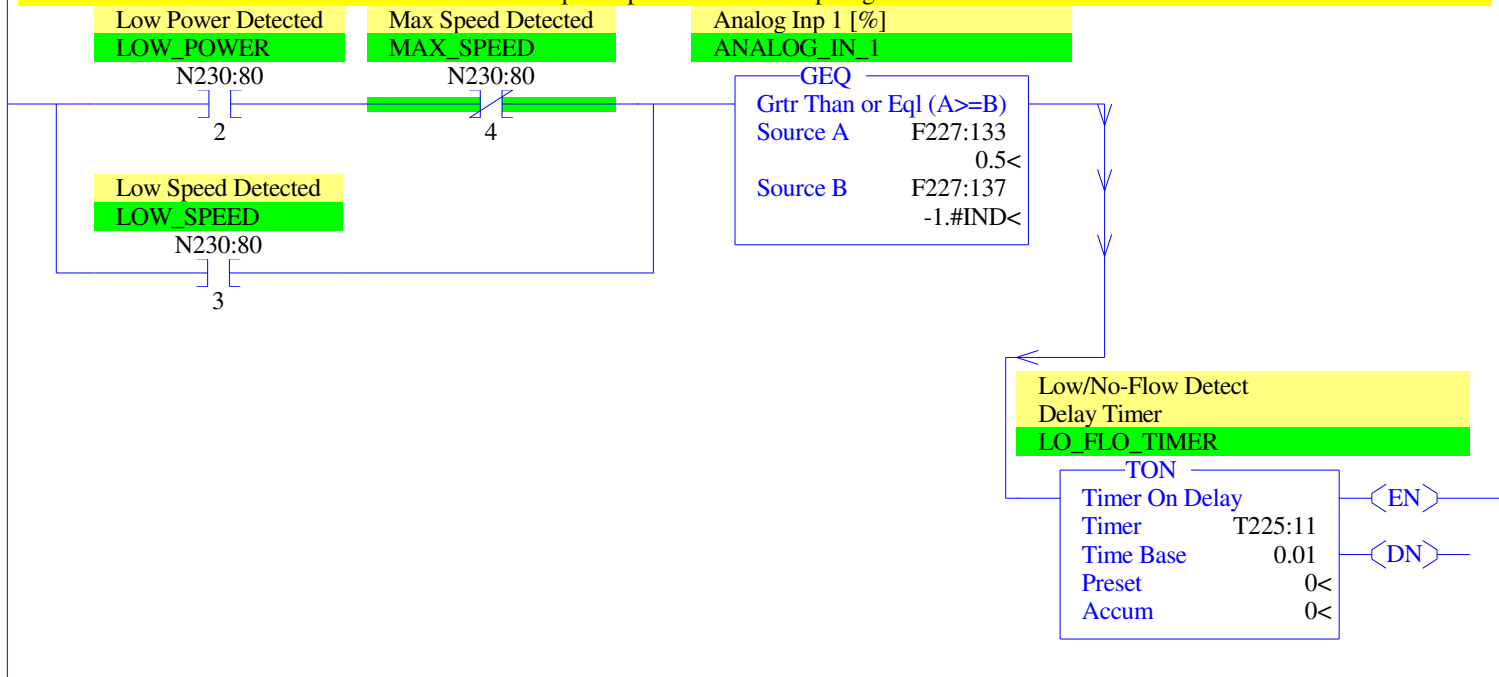


The Low/No-Flow Detect Delay Timer will start timing when Low Power has been detected (and NOT Max Speed) or Low Speed has been detected and...

Pressure Fdbk >= PID Setpoint

Please Note: The timer will reset if either condition drops out prior to the time expiring.

0028

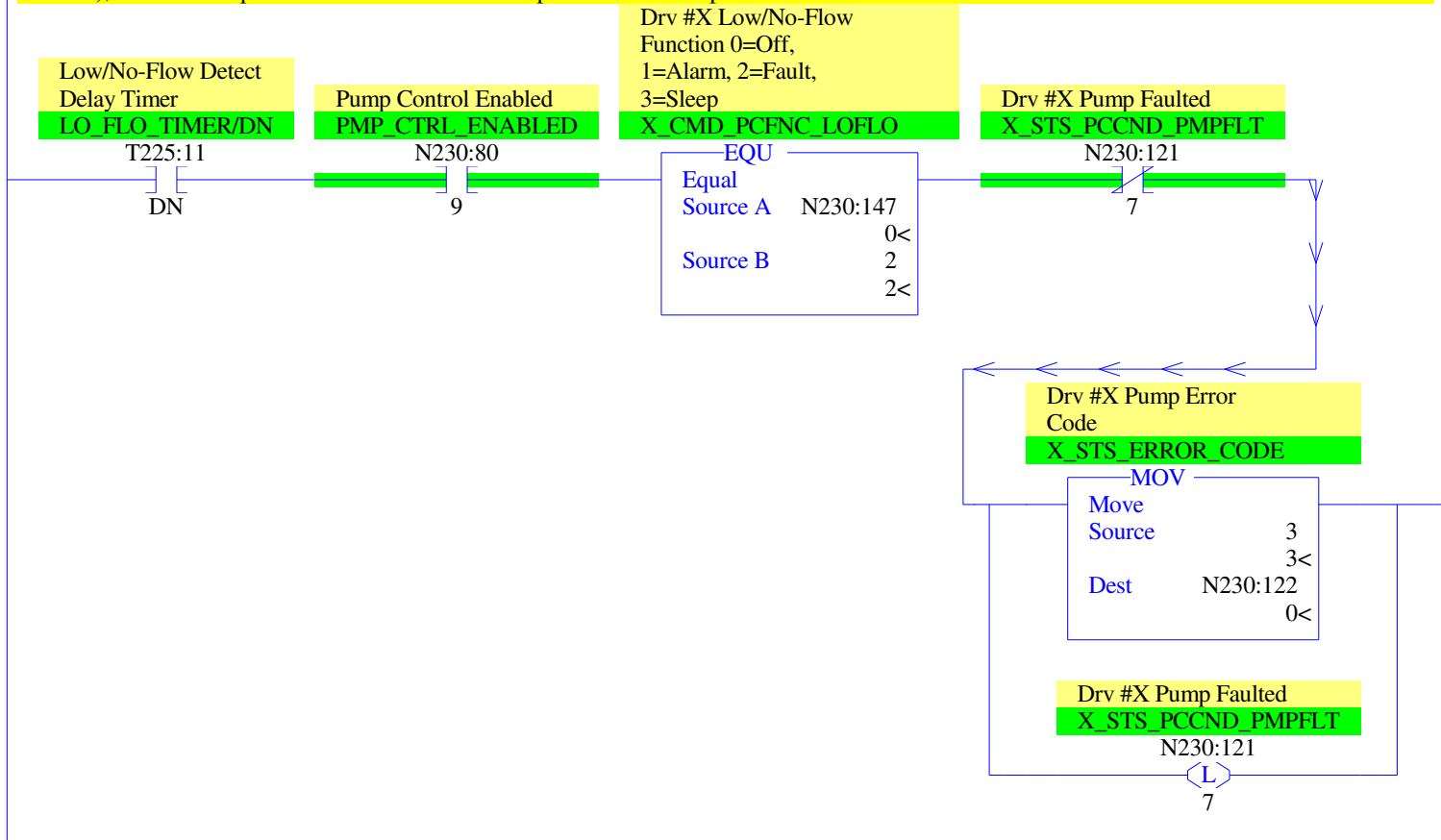


-->If the Low/No-Flow Function is set to Sleep and Pump is not currently in Sleep Mode, the Low/No-Flow Condition Detected bit is set.



Once the Low/No-Flow Detect Delay Timer has expired and the Low/No-Flow Function is set to Fault (and a pump fault has not already been detected), then the Pump Faulted bit is set and the Pump Error Code is captured.

0030



If the pump is controlling pressure under normal conditions (Flow Compensation disabled, Pressure Boost NOT active) then...

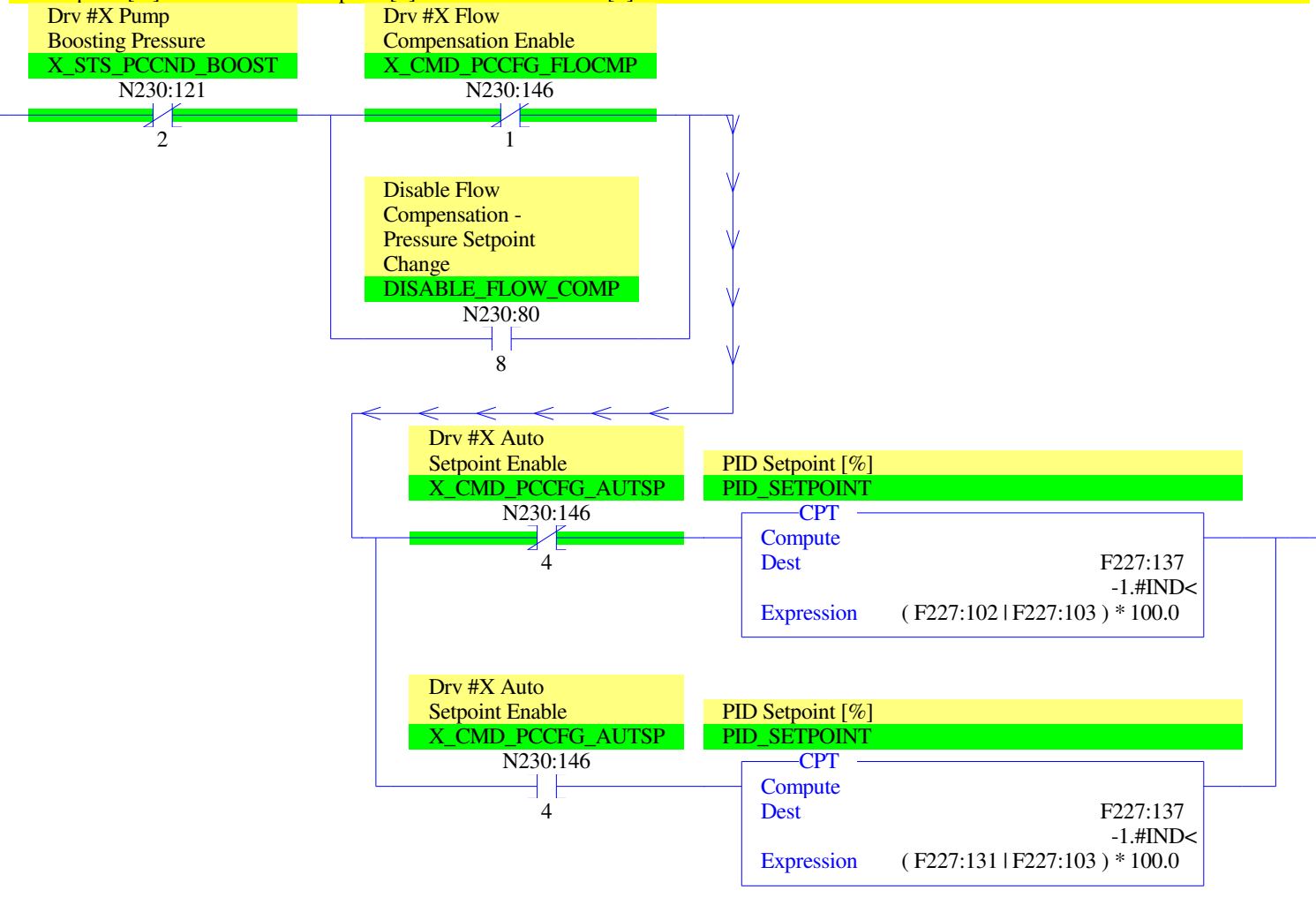
Manual Setpoint control:

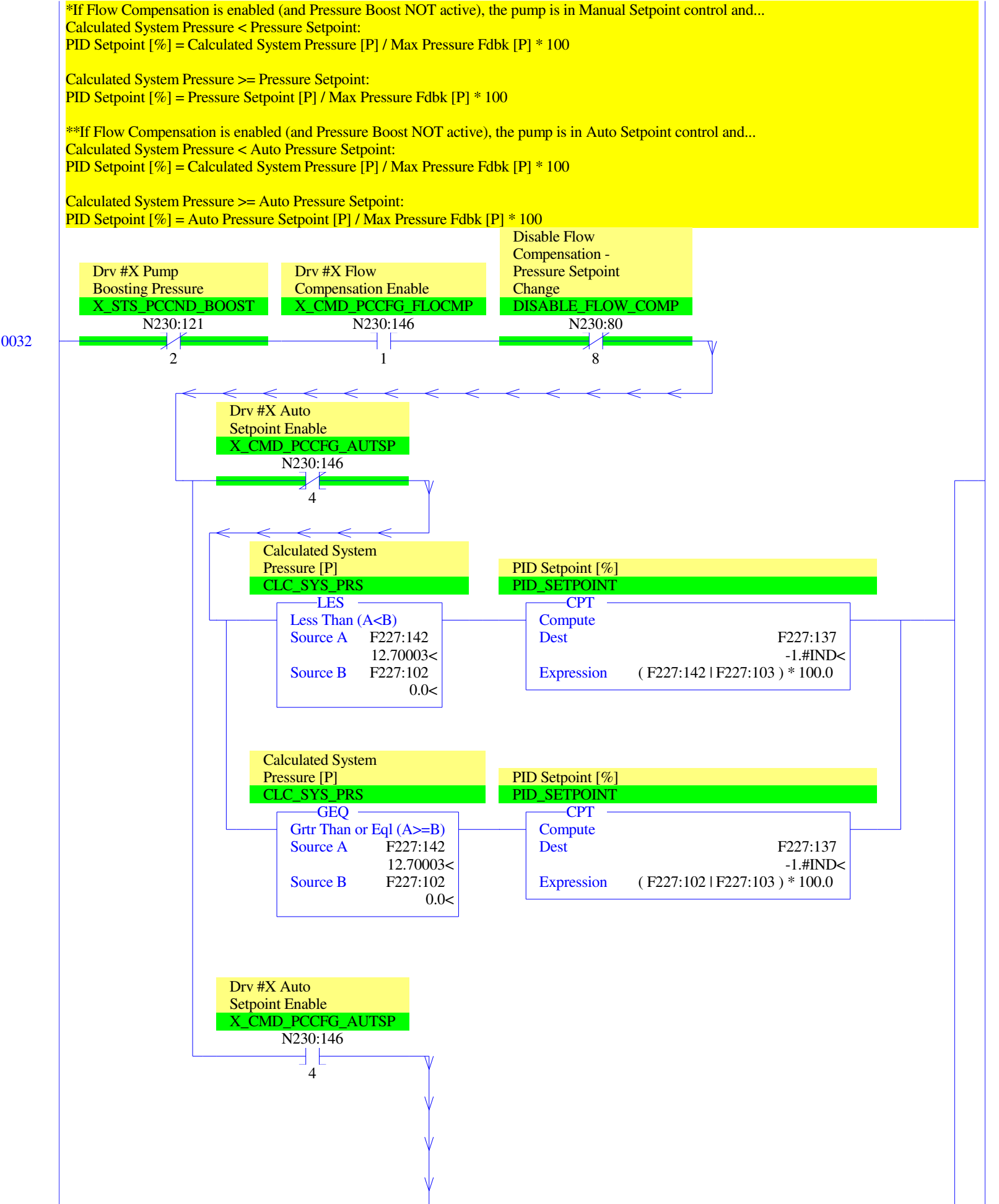
$\text{PID Setpoint [\%]} = \text{Pressure Setpoint [P]} / \text{Max Pressure Fdbk [P]} * 100$

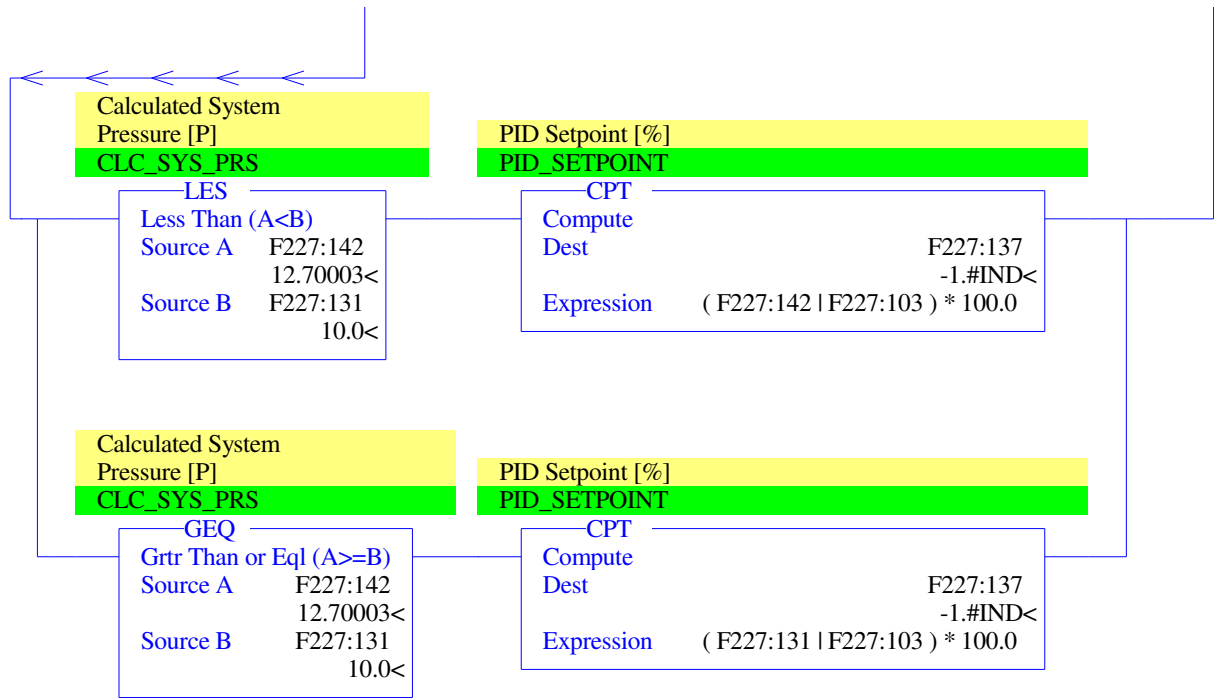
Auto Setpoint control:

$\text{PID Setpoint [\%]} = \text{Auto Pressure Setpoint [P]} / \text{Max Pressure Fdbk [P]} * 100$

0031

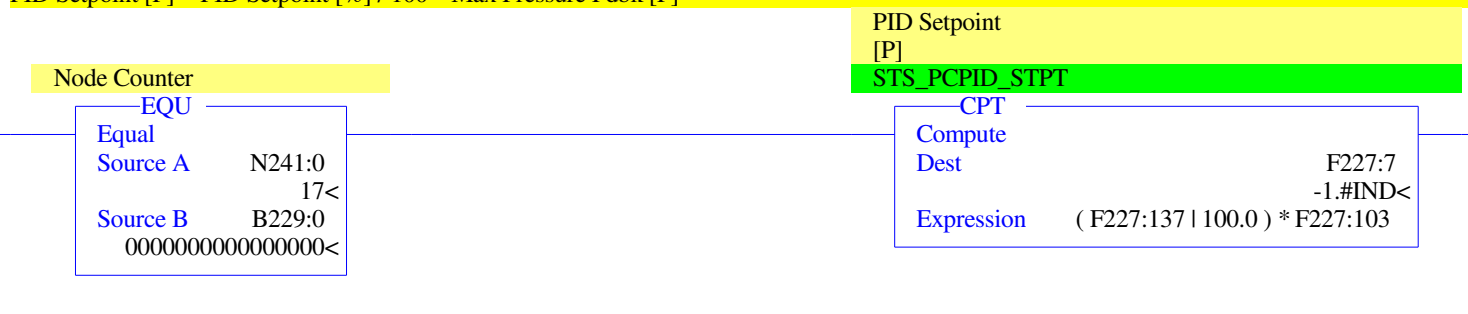






If the node currently being scanned is actively displayed by the HMI, then the PID Setpoint is calculated in 'P' units and displayed.

PID Setpoint [P] = PID Setpoint [%] / 100 * Max Pressure Fdbk [P]

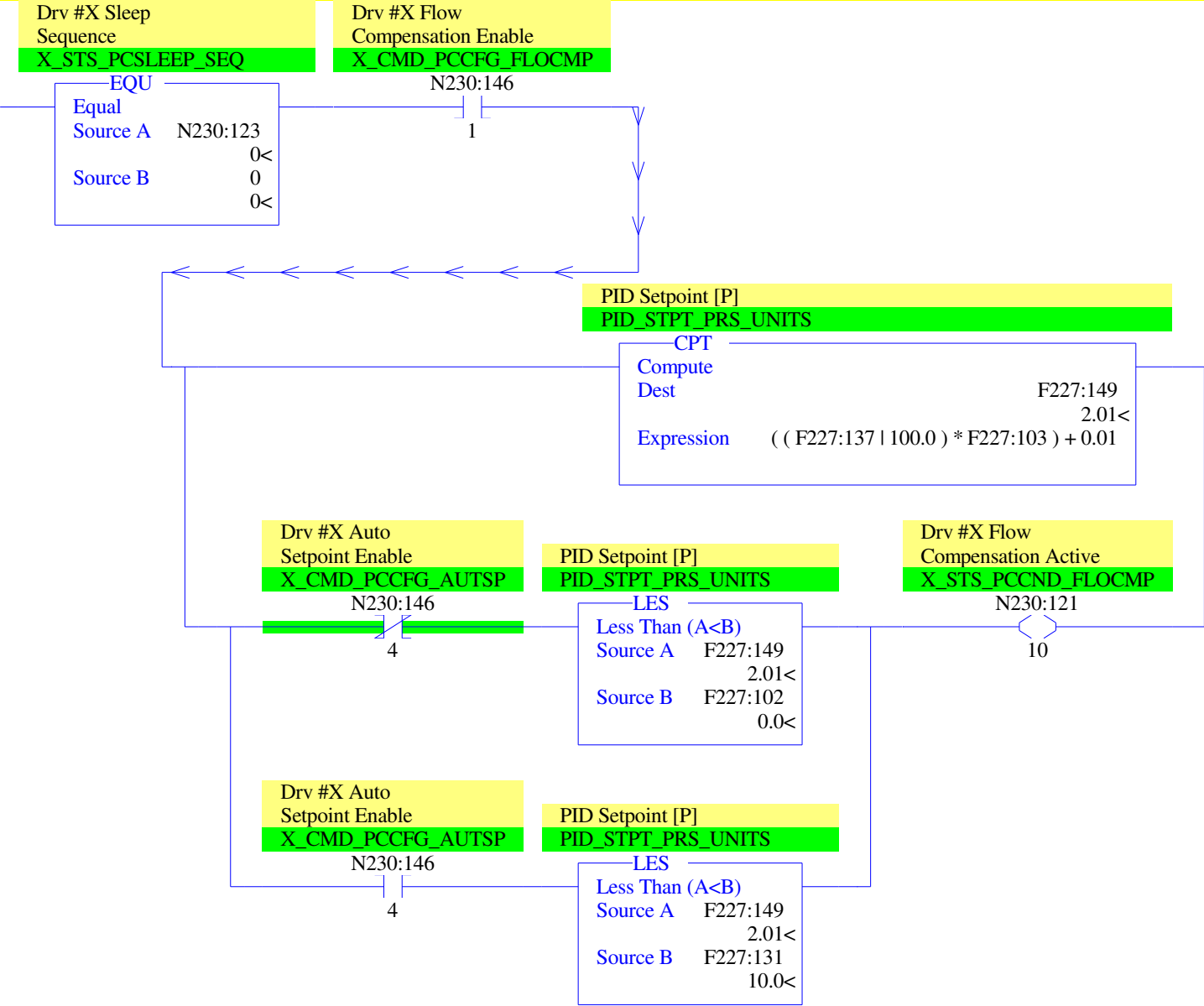


0033

The Flow Compensation Active bit is set whenever the PID Setpoint is below the Pressure Setpoint or Auto Pressure Setpoint depending on which control mode has been selected.

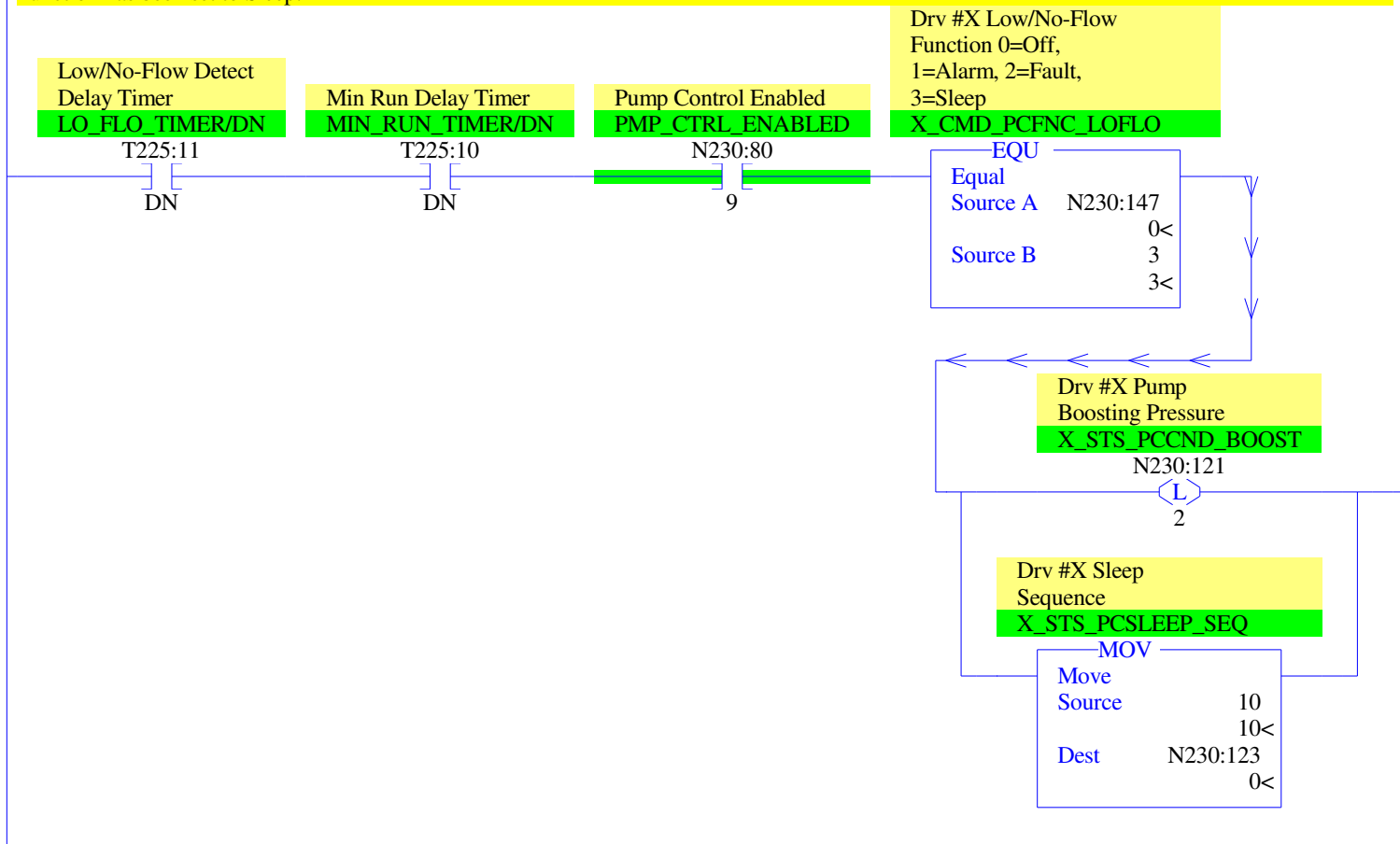
$$\text{PID Setpoint [P]} = \text{PID Setpoint [\%]} / 100 * \text{Max Pressure Fdbk [P]} + 0.01$$

Please note: The extra 0.01 [P] is added to allow for a deadband. This prevents the Flow Compensation Active bit when it resides close to the Pressure Setpoint.

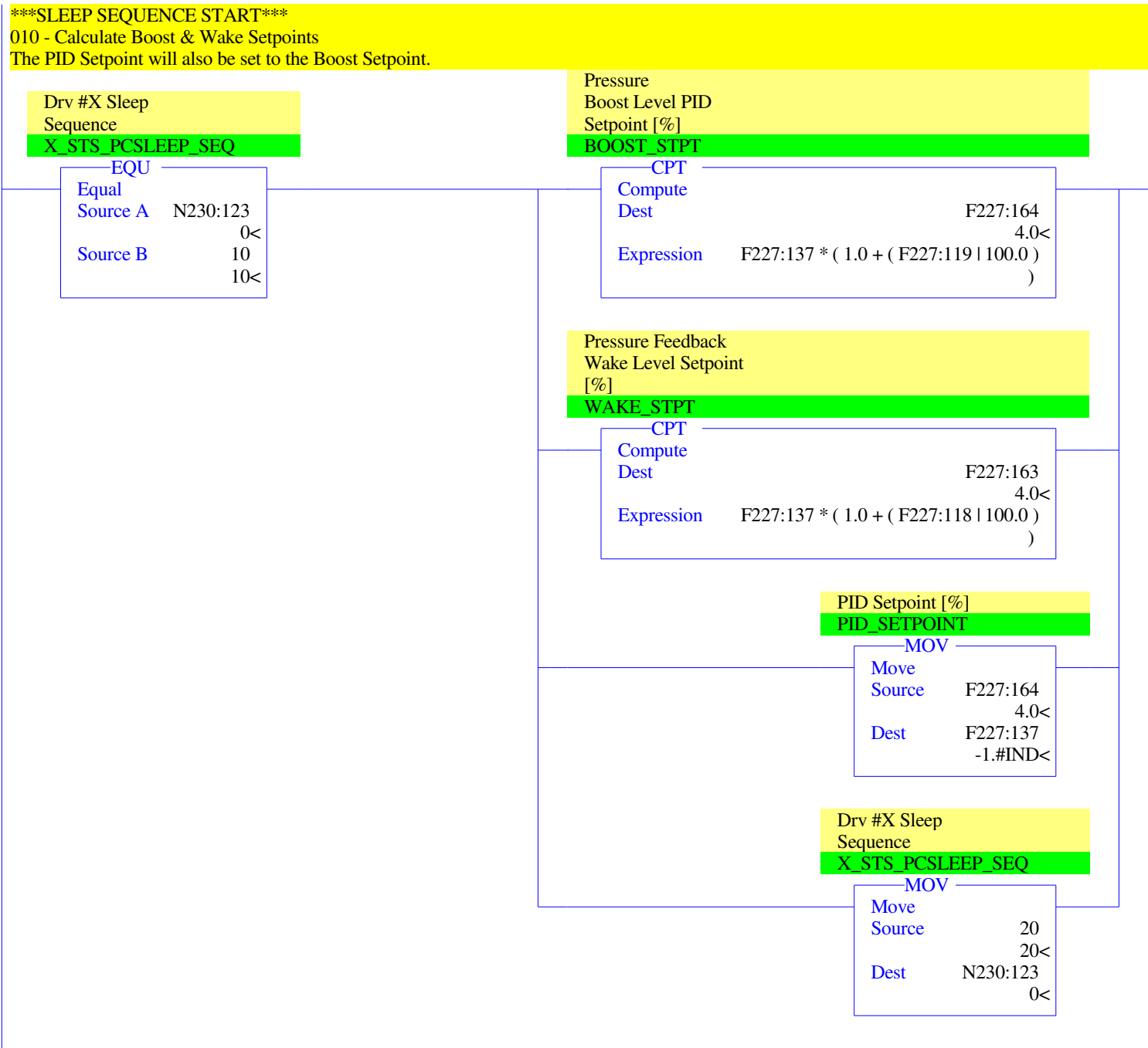


The pump will enter into Sleep mode if the Low/No-Flow Detect Delay and the Min Run Delay timers have both expired and the Low/No-Flow Function has been set to Sleep.

0035



0036



020 - Boost Pressure

The pressure boost will be aborted if the Max Boost Timer has expired.

Drv #X Sleep
Sequence

X_STS_PCSLEEP_SEQ

EQU

Equal

Source A N230:123

0<

Source B

20

20<

Max Boost Timer

MAX_BST_TIMER

TON

Timer On Delay

Timer T225:12

Time Base 0.01

Preset 0<

Accum 0<

Analog Inp 1 [%]

ANALOG_IN_1

GEQ

Grtr Than or Eql (A>=B)

Source A F227:133

0.5<

Source B F227:164

4.0<

Max Boost Timer

MAX_BST_TIMER/DN

T225:12

DN

Drv #X Pump

Boosting Pressure

X_STS_PCCND_BOOST

N230:121

U

2

Drv #X Sleep

Sequence

X_STS_PCSLEEP_SEQ

MOV

Move

Source

30

30<

Dest

N230:123

0<

030 - Stop Pump

Drv #X Sleep
Sequence

X_STS_PCSLEEP_SEQ

EQU

Equal

Source A N230:123

0<

Source B

30

30<

Sleep Mode Stop

SLEEP_STOP

N230:80

6

Drv #X Active

X_STS_PCSTS_ACTIV

N230:101

1

Drv #X Sleep

Sequence

X_STS_PCSLEEP_SEQ

MOV

Move

Source

40

40<

Dest

N230:123

0<

040 - Sleep Mode / Pump Stopped

Pump will remain in sleep mode until Min Sleep Timer has expired and the pressure feedback has dropped below the Wake Setpoint.

Drv #X Sleep
Sequence

X_STS_PCSLEEP_SEQ

EQU

Equal

Source A N230:123

0<

Source B

40

40<

Drv #X Pump in
Sleep Mode

X_STS_PCCND_SLEEP

N230:121

3

Min Sleep Timer

MIN_SLP_TIMER

TON

Timer On Delay

Timer T225:13

Time Base 0.01

Preset 0<

Accum 0<

EN

DN

Min Sleep Timer

MIN_SLP_TIMER/DN

T225:13

DN

Analog Inp 1 [%]

ANALOG_IN_1

LEQ

Less Than or Eql (A<=B)

Source A F227:133

0.5<

Source B F227:163

4.0<

Drv #X Sleep
Sequence

X_STS_PCSLEEP_SEQ

MOV

Move

Source 50

50<

Dest N230:123

0<

SLEEP SEQUENCE END

050 - Re-Start Pump

Drv #X Sleep
Sequence

X_STS_PCSLEEP_SEQ

EQU

Equal

Source A N230:123

0<

Source B

50

50<

Sleep Mode ReStart

SLEEP_START

N230:80

7

Drv #X Active

X_STS_PCSTS_ACTIV

N230:101

1

Drv #X Sleep
Sequence

X_STS_PCSLEEP_SEQ

MOV

Move

Source 0

0<

Dest N230:123

0<

The pump will abort Sleep mode if one the following events occur:

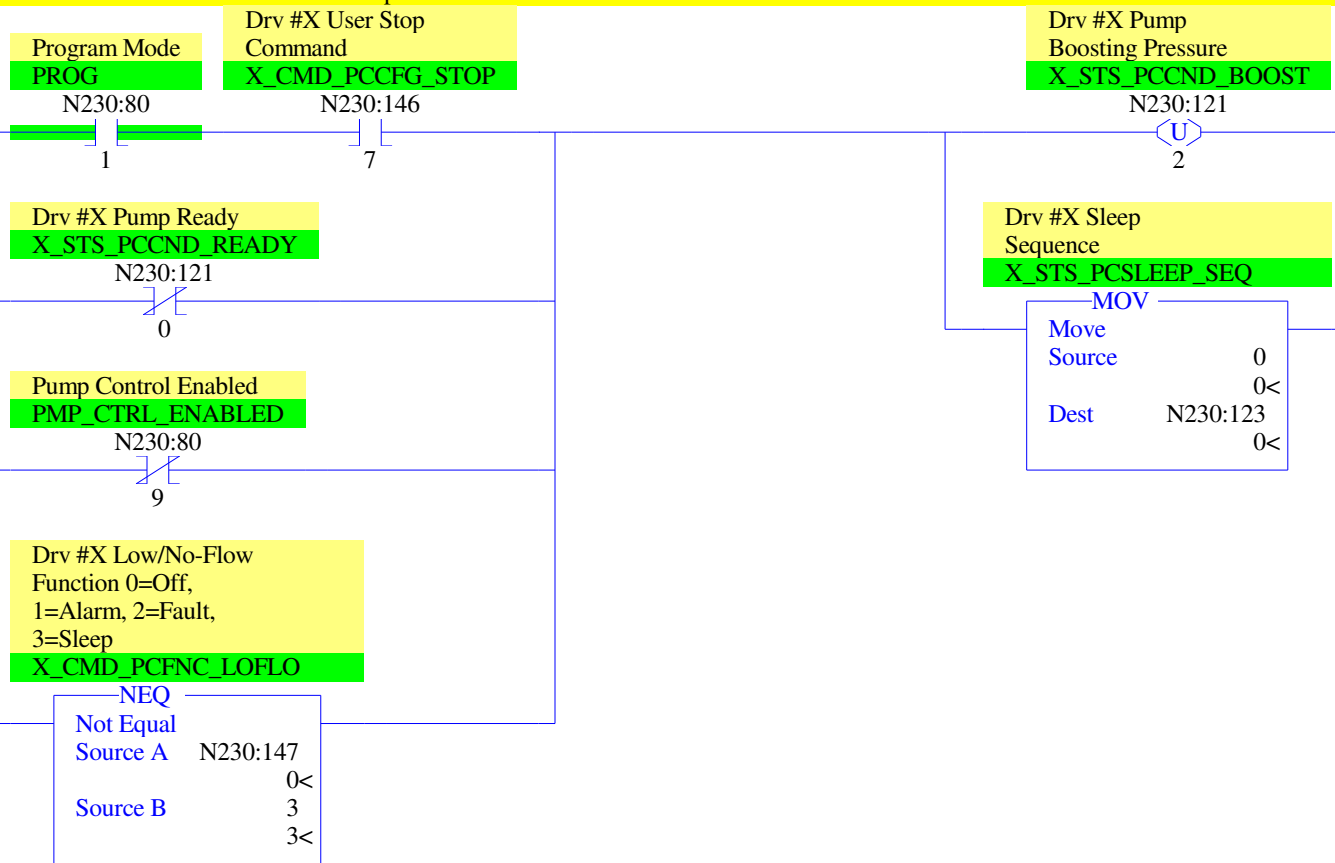
-->Stop command issued by the user.

-->The pump is NOT ready.

-->Pump Control is NOT enabled.

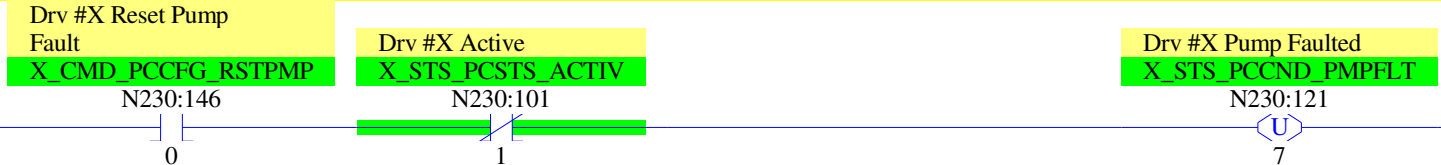
-->Low/No-Flow Function is NOT set to Sleep.

0041



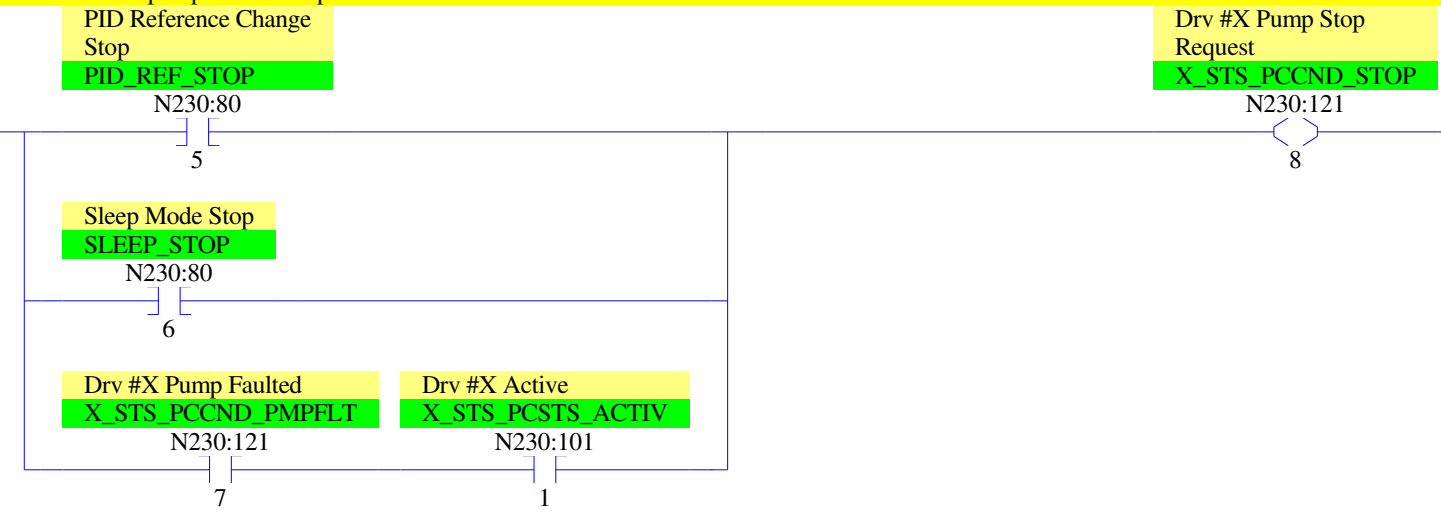
Clears the Pump Faulted bit.

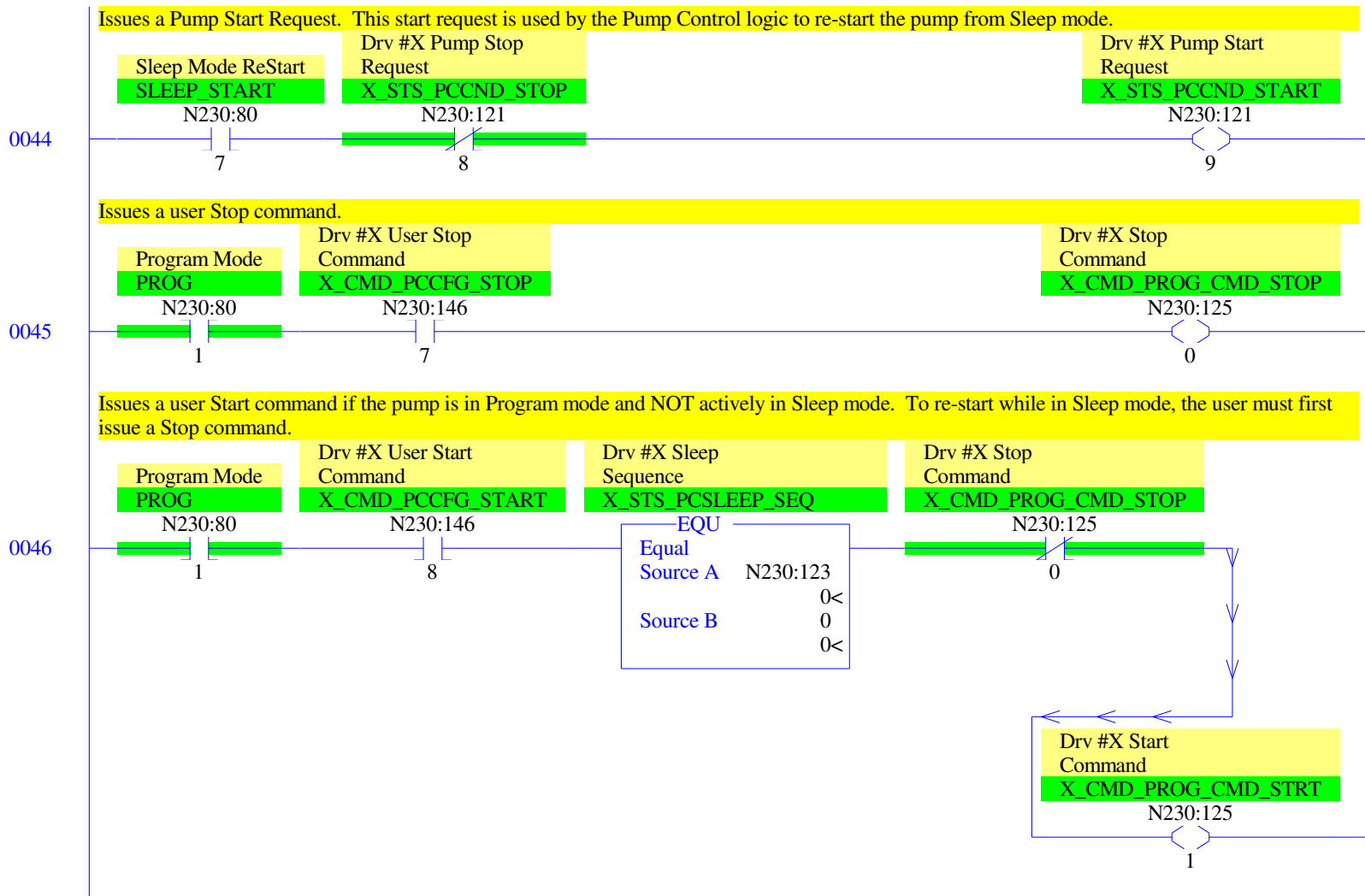
0042



Issues a Pump Stop Request. This stop request is used by the Pump Control logic to stop the pump if a fault is detected or if a PID Reference Change is needed or the pump enters Sleep mode.

0043





LAST RUNG

This rung copies all of the temporary register data back into each of the current node registers. This rung also ensures that all of the drive parameters to be written are valid; any invalid write parameters are coerced.

Drv #X Min Speed
[Hz]

X_CMD_PCMIN_SPD

Drv #X Min Speed
[Hz]

X_CMD_PCMIN_SPD

LES

Less Than (A<B)

Source A F227:100
0.0<

Source B 0.0
0.0<

MOV

Move

Source 0.0
0.0<

Dest F227:100
0.0<

Drv #X Min Speed
[Hz]

X_CMD_PCMIN_SPD

Drv #X Min Speed
[Hz]

X_CMD_PCMIN_SPD

GRT

Greater Than (A>B)

Source A F227:100
0.0<

Source B 320.0
320.0<

MOV

Move

Source 320.0
320.0<

Dest F227:100
0.0<

Drv #X Min Freq

X_CMD_P34_MIN_FREQ

MUL

Multiply

Source A F227:100
0.0<

Source B B228:34
0000000000001010<

Dest N230:135
0<

Drv #X PID Preload

X_CMD_P159_PID_PRLD

MOV

Move

Source N230:135
0<

Dest N230:145
0<

Drv #X Max Speed
[Hz]

X_CMD_PCMAx_SPD

Drv #X Max Speed
[Hz]

X_CMD_PCMAx_SPD

LES

Less Than (A<B)

Source A F227:101
0.0<

Source B 0.0
0.0<

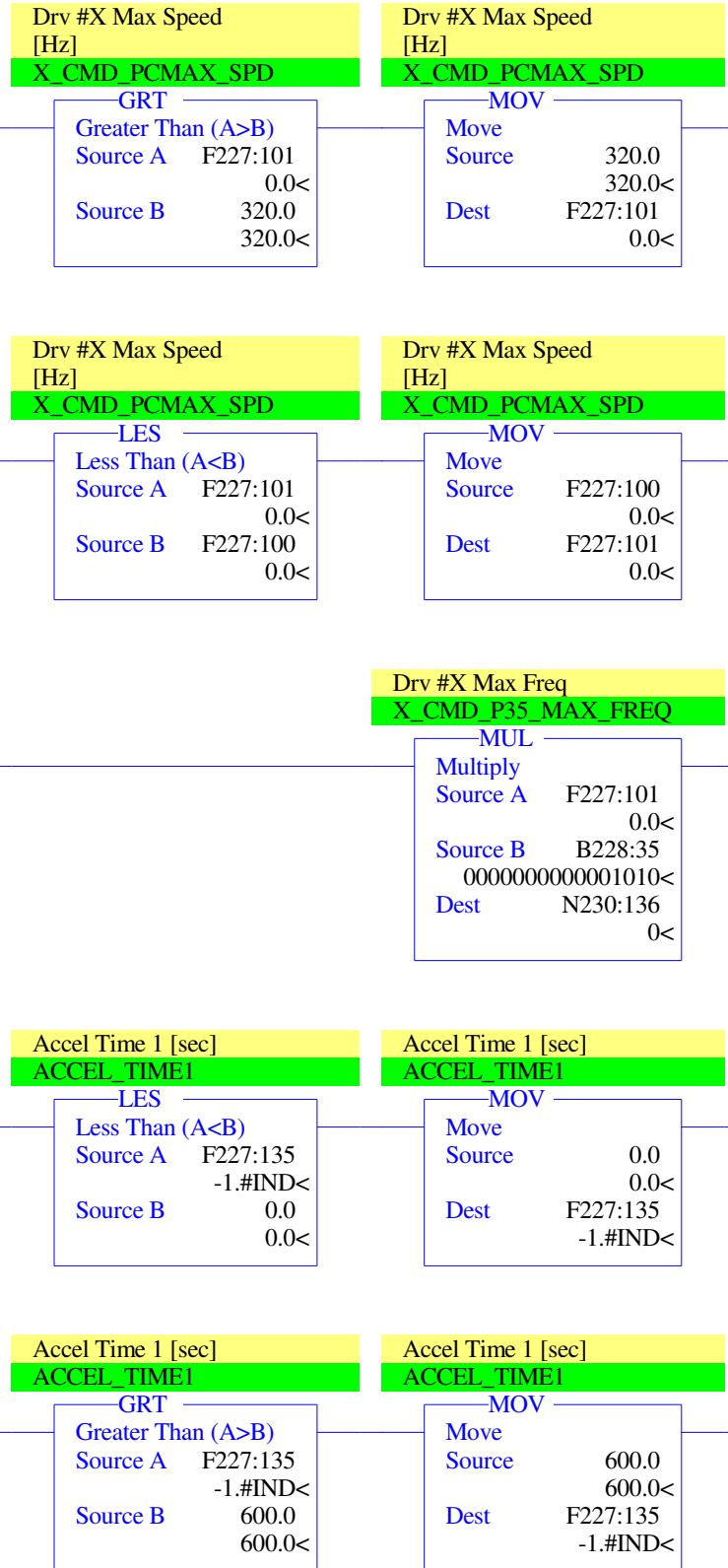
MOV

Move

Source 0.0
0.0<

Dest F227:101
0.0<

0047



Drv #X Accel Time 1

X_CMD_P39_ACCEL_TM1

MUL

Multiply

Source A F227:135
-1.#IND<Source B B228:36
0000000001100100<Dest N230:137
0<

Decel Time 1 [sec]

DECEL_TIME1

LES

Less Than (A<B)

Source A F227:136
-1.#IND<Source B 0.1
0.1<

Decel Time 1 [sec]

DECEL_TIME1

MOV

Move

Source 0.0
0.0<Dest F227:136
-1.#IND<

Decel Time 1 [sec]

DECEL_TIME1

GRT

Greater Than (A>B)

Source A F227:136
-1.#IND<Source B 600.0
600.0<

Decel Time 1 [sec]

DECEL_TIME1

MOV

Move

Source 600.0
600.0<Dest F227:136
-1.#IND<

Drv #X Decel Time 1

X_CMD_P40_DECEL_TM1

MUL

Multiply

Source A F227:136
-1.#IND<Source B B228:37
0000000001100100<Dest N230:138
0<

Drv #X PID Prop

Gain

X_CMD_PCPID_PROP

LES

Less Than (A<B)

Source A F227:124
0.0<Source B 0.0
0.0<

Drv #X PID Prop

Gain

X_CMD_PCPID_PROP

MOV

Move

Source 0.0
0.0<Dest F227:124
0.0<

Drv #X PID Prop
 Gain
 X_CMD_PCPID_PROP

GRT
 Greater Than (A>B)
 Source A F227:124
 0.0<
 Source B 99.99
 99.99<

Drv #X PID Prop
 Gain
 X_CMD_PCPID_PROP

MOV
 Move
 Source 99.99
 99.99<
 Dest F227:124
 0.0<

Drv #X PID Prop
 Gain
 X_CMD_P154_PID_PROP

MUL
 Multiply
 Source A F227:124
 0.0<
 Source B B228:38
 0000000001100100<
 Dest N230:140
 0<

Drv #X PID Integ
 Gain [sec]
 X_CMD_PCPID_INTG

LES
 Less Than (A<B)
 Source A F227:125
 0.0<
 Source B 0.0
 0.0<

Drv #X PID Integ
 Gain [sec]
 X_CMD_PCPID_INTG

MOV
 Move
 Source 0.0
 0.0<
 Dest F227:125
 0.0<

Drv #X PID Integ
 Gain [sec]
 X_CMD_PCPID_INTG

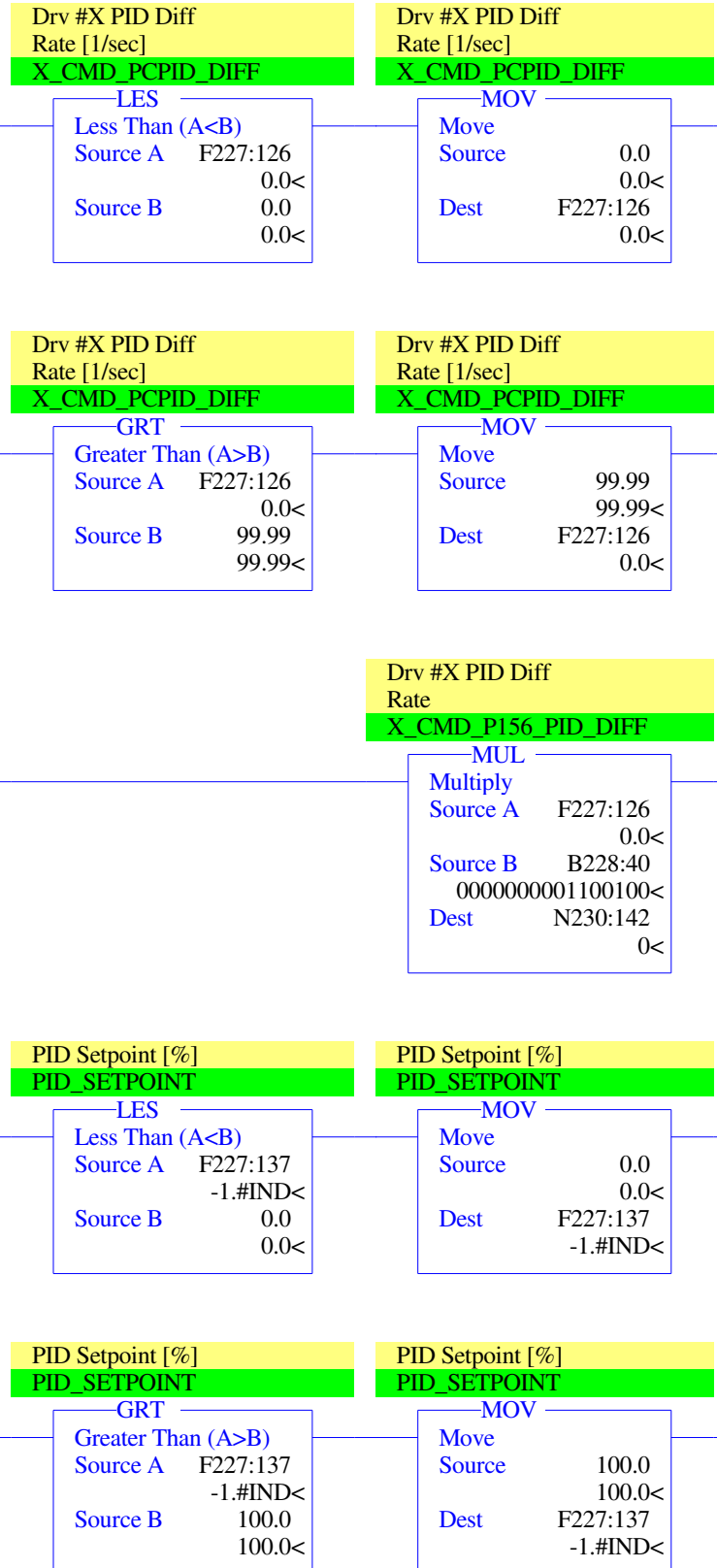
GRT
 Greater Than (A>B)
 Source A F227:125
 0.0<
 Source B 999.9
 999.9<

Drv #X PID Integ
 Gain [sec]
 X_CMD_PCPID_INTG

MOV
 Move
 Source 999.9
 999.9<
 Dest F227:125
 0.0<

Drv #X PID Integ
 Gain
 X_CMD_P155_PID_INTG

MUL
 Multiply
 Source A F227:125
 0.0<
 Source B B228:39
 0000000000001010<
 Dest N230:141
 0<



Drv #X PID Setpoint

X_CMD_P157_PID_SETP

MUL

Multiply

Source A F227:137
-1.#IND<Source B B228:41
0000000000001010<Dest N230:143
0<

Drv #X PID Deadband

[%]

X_CMD_PCPID_DBND

LES

Less Than (A<B)

Source A F227:127
0.0<Source B 0.0
0.0<

Drv #X PID Deadband

[%]

X_CMD_PCPID_DBND

MOV

Move

Source 0.0
0.0<Dest F227:127
0.0<

Drv #X PID Deadband

[%]

X_CMD_PCPID_DBND

GRT

Greater Than (A>B)

Source A F227:127
0.0<Source B 10.0
10.0<

Drv #X PID Deadband

[%]

X_CMD_PCPID_DBND

MOV

Move

Source 10.0
10.0<Dest F227:127
0.0<

Drv #X PID Deadband

X_CMD_P158_PID_DBND

MUL

Multiply

Source A F227:127
0.0<Source B B228:42
0000000000001010<Dest N230:144
0<

COP

Copy File

Source #N230:121

Dest #B228:[N230:67]

Length 4

COP

Copy File

Source #N230:125

Dest #B229:[N230:65]

Length 25

0048

COP
Copy File
Source #T225:10
Dest #T225:[N230:69]
Length 8

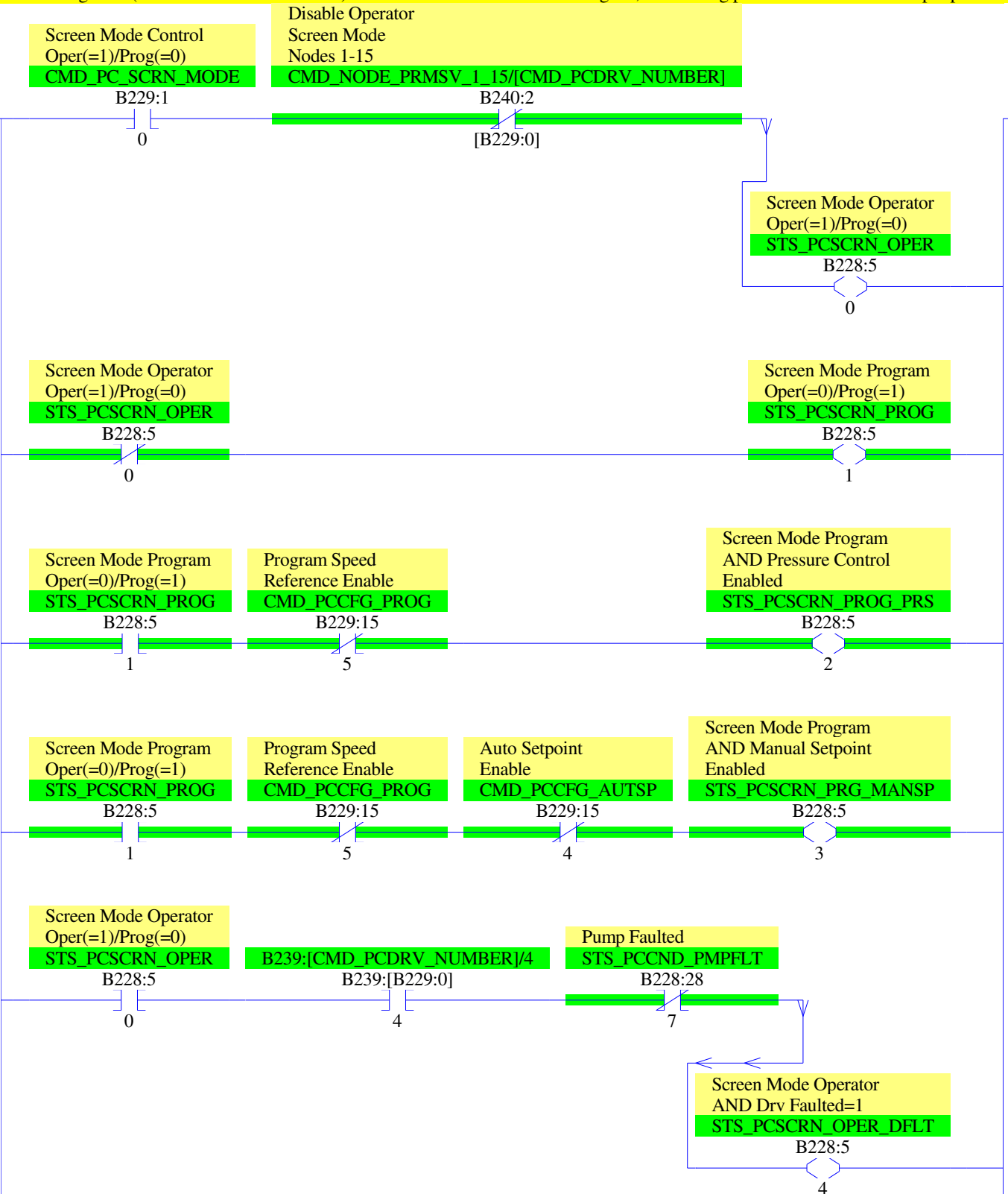
COP
Copy File
Source #F227:162
Dest #F227:[N230:70]
Length 5

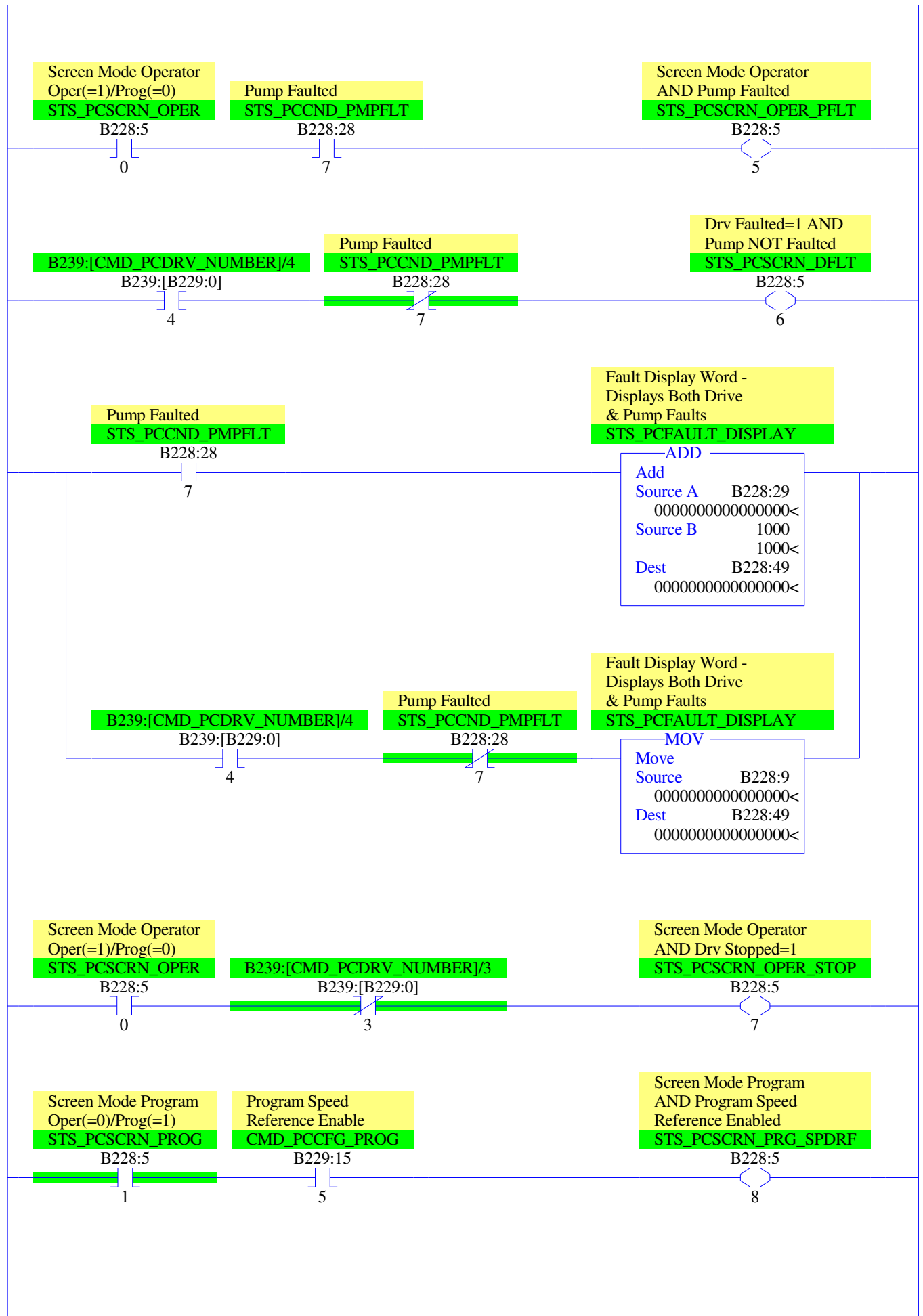
END

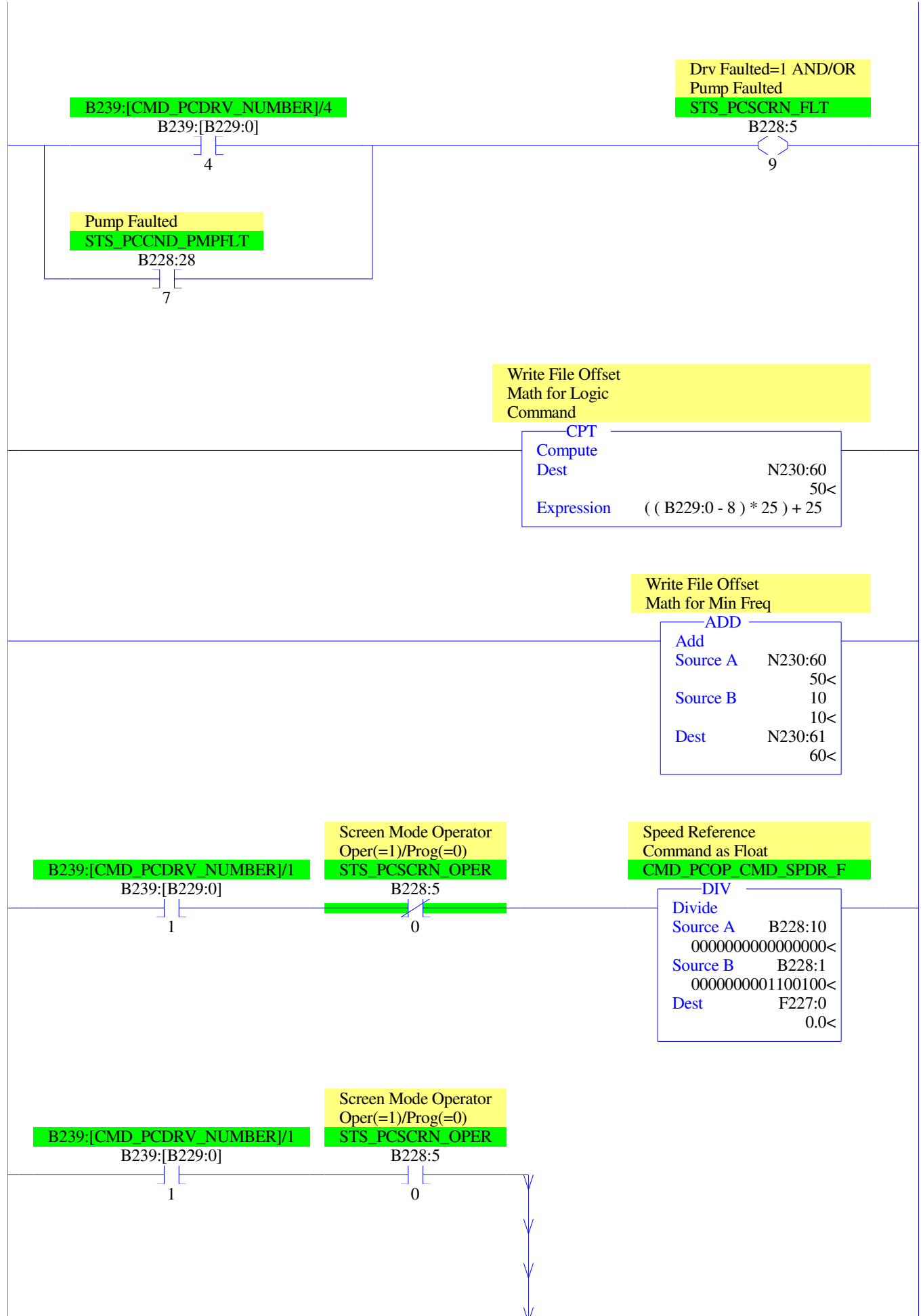
PanelView Component (PVC) Display Control for the Pump Comm Subroutine

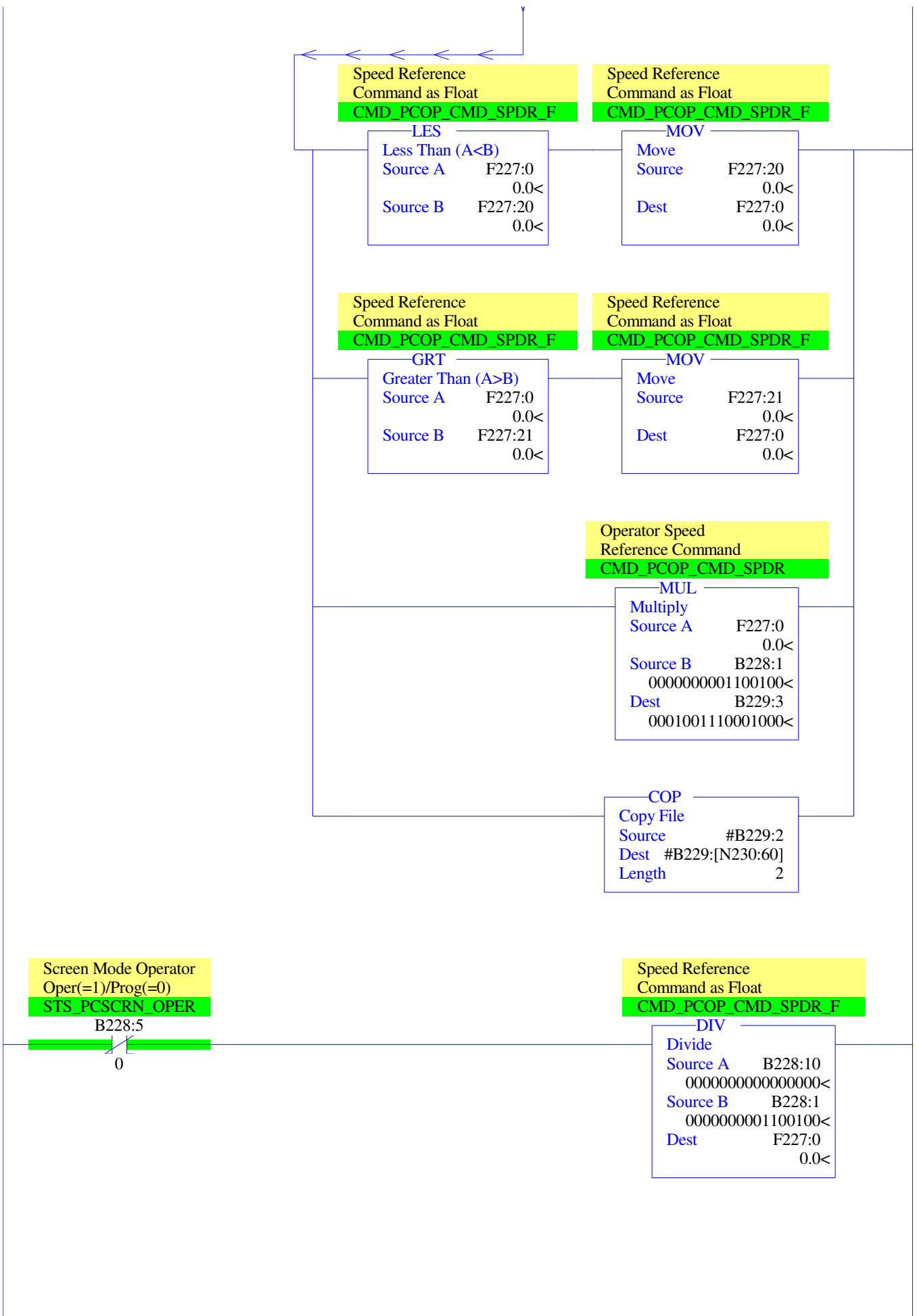
All of the PVC drive status data is read. The MicroLogix subroutines move the data for the drive being displayed (based on the screen number) into temporary registers. Similarly, the PVC drive commands are written. The MicroLogix subroutines move the data from the temporary registers to the appropriate drive registers (based on the screen number). Once the divisors have been assigned, the floating point screen values are kept updated.

0000









Commanded Speed

Display as Float

STS_PCREF_SPEED_F

DIV

Divide

Source A B228:10

0000000000000000<

Source B B228:1

0000000001100100<

Dest F227:1

0.0<

Speed Feedback

Display as Float

STS_PCSPEED_FDBCK_F

DIV

Divide

Source A B228:11

0000000000000000<

Source B B228:1

0000000001100100<

Dest F227:2

0.0<

Output Current

Display as Float

STS_PCOUTPT_CURRNT_F

DIV

Divide

Source A B228:12

0000000000000000<

Source B B228:2

0000000000001010<

Dest F227:3

0.0<

Output Voltage

Display as Float

STS_PCOUTPT_VOLTAG_F

DIV

Divide

Source A B228:14

0000000000000000<

Source B B228:3

0000000000000001<

Dest F227:4

0.0<

LAD 233 - PVC CTRL --- Total Rungs in File = 5

DC Bus Voltage

Display as Float

STS_PCDCBUS_VOLTAG_F

DIV

Divide

Source A B228:13

0000000101001010<

Source B B228:4

0000000000000001<

Dest F227:5

330.0<

Every time the screen/drive number changes between 9-16 (or the program goes to RUN mode), set the new screen for Program mode, copy the current screen/drive status data and the current drive command data into temporary registers which can then be displayed by the PVC.

Drive Number Data to
Display

STS_PCDRV_NUMBER

NEQ

Not Equal

Source A B228:0

1111111111111111<

Source B B229:0

0000000000000000<

First Pass

S:1

15

Screen Mode Control

Oper(=1)/Prog(=0)

CMD_PC_SCRN_MODE

B229:1

0

Operator Command
Word

#CMD_PCOP_CMD

COP

Copy File

Source #B229:[N230:60]

Dest #B229:2

Length 2

Operator Command
Word

CMD_PCOP_CMD

AND

Bitwise AND

Source A B229:2

0000h<

Source B -64

-64<

Dest B229:2

0000h<

Min Freq

#CMD_P34_MIN_FREQ

COP

Copy File

Source #B229:[N230:61]

Dest #B229:4

Length 15

PF4 Class Drive

Type

#STS_PCDRV_TYPE

COP

Copy File

Source #B228:[N230:60]

Dest #B228:7

Length 25

Commanded Speed

Display as Float

#STS_PCREF_SPEED_F

FLL

Fill File

Source 0.0

Dest #F227:1

Length 19

0001

F224 - PC STPTS
Min Speed Offset

CPT

Compute

Dest

N230:66

0<

Expression

(B229:0 - 9) * 32

Min Speed [Hz]

#CMD_PCMIN_SPD

COP

Copy File

Source #F224:[N230:66]

Dest #F227:20

Length 30

Drive Number Data to
Display

STS_PCDRV_NUMBER

MOV

Move

Source B229:0

0000000000000000<

Dest B228:0

1111111111111111<

Once the PVc has been updated following a drive selection change, any updates made to the PVc are then written to the appropriate drive registers.

Drive Number Data to
Display

STS_PCDRV_NUMBER

EQU

Equal

Source A B228:0
1111111111111111<
Source B B229:0
0000000000000000<

F224 - PC STPTS

Min Speed Offset

CPT

Compute

Dest N230:66
0<
Expression (B229:0 - 9) * 32

B229 - PC CMMNDS

Pump Config Offset

CPT

Compute

Dest N230:68
71<
Expression ((B229:0 - 9) * 25) + 71

T225 - PC TIMERS Min

Run Delay Timer

Offset

ADD

Add

Source A N230:68
71<
Source B 1
1<
Dest N230:69
18<

Screen Mode Program
Oper(=0)/Prog(=1)

STS_PCSCRN_PROG

B228:5

1

Program Speed
Reference Enable

CMD_PCCFG_PROG

B229:15

5

Auto Setpoint
Enable

CMD_PCCFG_AUTSP

B229:15

4

Pressure Setpoint
[P]

CMD_PCPRS_STPT

LES

Less Than (A<B)

Source A F227:22
0.0<
Source B 0.0
0.0<

Pressure Setpoint
[P]

CMD_PCPRS_STPT

MOV

Move

Source 0.0
0.0<
Dest F227:22
0.0<

Pressure Setpoint
[P]

CMD_PCPRS_STPT

GRT

Greater Than (A>B)

Source A F227:22
0.0<
Source B F227:23
0.0<

Pressure Setpoint
[P]

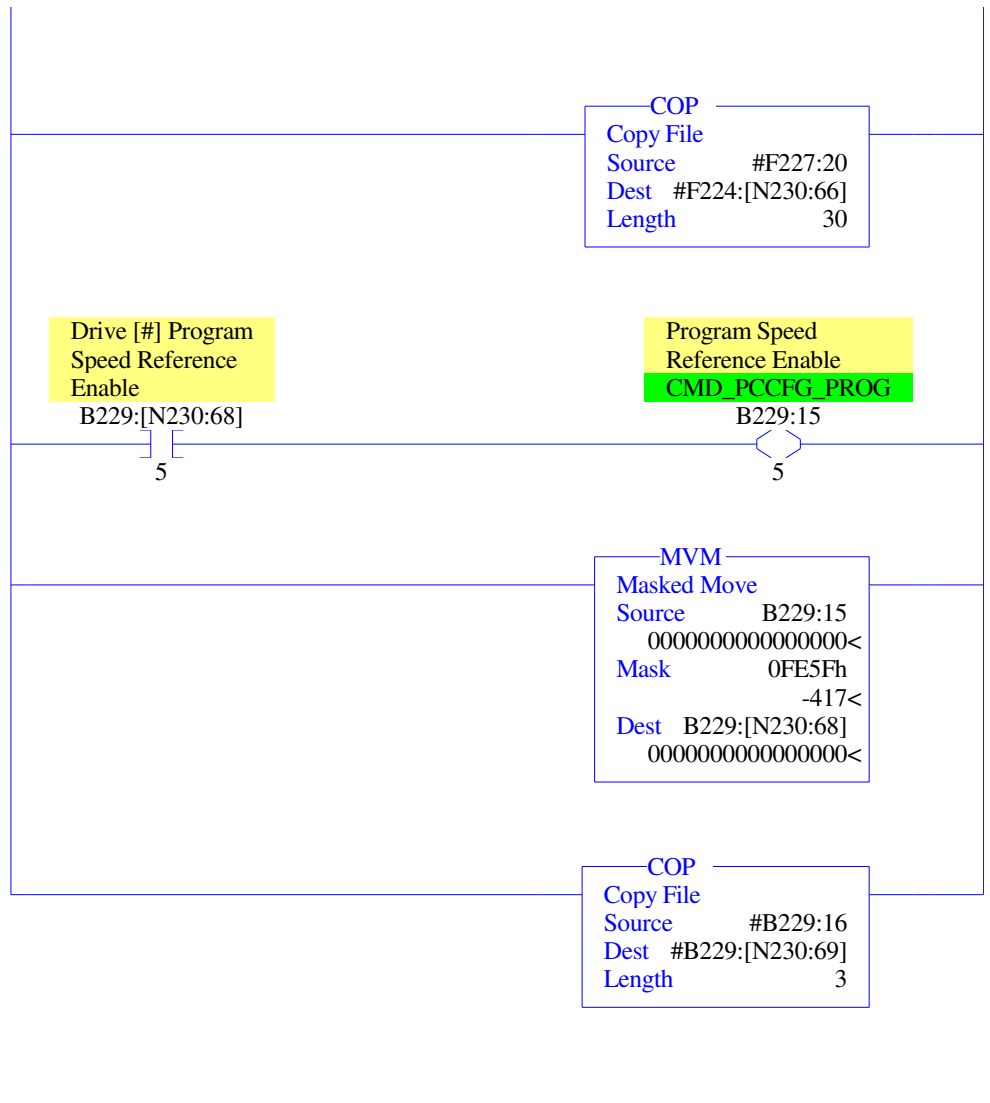
CMD_PCPRS_STPT

MOV

Move

Source F227:23
0.0<
Dest F227:22
0.0<

LAD 233 - PVC CTRL --- Total Rungs in File = 5



Once the divisors have been assigned, the additional pump specific floating point screen values are kept updated.

Analog Inp 1 [%]

ANALOG_IN_1

DIV

Divide

Source A B228:15

0000000000000100<

Source B B228:32

00000000000001010<

Dest F227:133

0.5<

Pressure Feedback

[P]

STS_PCPRS_FDBK

CPT

Compute

Dest

F227:6

0.0<

Expression (F227:133 | 100.0) * F227:23

50% Max Speed [Hz]

STS_PCSPD_50PCT

MUL

Multiply

Source A F227:21

0.0<

Source B 0.5

0.5<

Dest F227:8

0.0<

85% Max Speed [Hz]

STS_PCSPD_85PCT

MUL

Multiply

Source A F227:21

0.0<

Source B 0.85

0.85<

Dest F227:9

0.0<

Output Power

Display as Float

STS_PCOUTPT_POWER_F

CPT

Compute

Dest

F227:10

0.0<

Expression (F227:3 * F227:4) | 1000.0

END

Main Pump Control Subroutine

The limit test makes sure that the rest of the subroutine only executes when the node counter (N241:0) is between the minimum and maximum drive node numbers, which for pump control are 9-16.

0000

First Pass

S:1

15

Always Zero

CLR

Clear
DestN230:0
0<

Always Zero

CLR

Clear
DestN230:0
0<Drive Status Read
Message

MOV

Move
Source247
247<Dest MG226:0.NOD
247<Drive Number Data to
Display

#STS_PCDRV_NUMBER

FLL

Fill File
Source
Dest
Length0
#B228:0
128Drv #12 Commanded
Speed

#12_STS_CMD_SPEED

FLL

Fill File
Source
Dest
Length0
#B228:128
128Drive Number Data to
Display

#CMD_PCDRV_NUMBER

FLL

Fill File
Source
Dest
Length0
#B229:0
71

Drv #10 Command
Word
#10_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:75
Length 21

Drv #11 Command
Word
#11_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:100
Length 21

Drv #12 Command
Word
#12_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:125
Length 21

Drv #13 Command
Word
#13_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:150
Length 21

Drv #14 Command
Word
#14_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:175
Length 21

Drv #15 Command
Word
#15_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:200
Length 21

Drv #16 Command
Word
#16_CMD_PROG_CMD

FLL
Fill File
Source 0
Dest #B229:225
Length 21

Commanded Speed
Display as Float
#STS_PCREF_SPEED_F

FLL
Fill File
Source 0.0
Dest #F227:1
Length 19

Speed Display
Divisor
STS_PCSPEED_DIVISR

MOV
Move
Source 100
100<
Dest B228:1
0000000001100100<

Amperage Display
Divisor
STS_PCAMPS_DIVISR

MOV
Move
Source 10
10<
Dest B228:2
000000000001010<

Voltage Display
Divisor
STS_PCVOLTS_DIVISR

MOV
Move
Source 1
1<
Dest B228:3
000000000000001<

DC Bus Voltage
Display Divisor
STS_PCDCBUSV_DIVISR

MOV
Move
Source 1
1<
Dest B228:4
000000000000001<

Analog Inp 1
Display Divisor
STS_PCANALGIN_DIVISR

MOV
Move
Source 10
10<
Dest B228:32
000000000001010<

Output Power
Display Divisor
STS_PCOUTPWR_DIVISR

MOV
Move
Source 10
10<
Dest B228:33
000000000001010<

Min Freq
Display Divisor
STS_PCMINFRQ_DIVISR

MOV
Move
Source 10
10<
Dest B228:34
000000000001010<

Max Freq
Display Divisor
STS_PCMAEFRQ_DIVISR

MOV
Move
Source 10
10<
Dest B228:35
000000000001010<

Accel Time 1
Display Divisor
STS_PCACCTIM_DIVISR

MOV
Move
Source 100
100<
Dest B228:36
0000000001100100<

Decel Time 1
Display Divisor
STS_PCDECTIM_DIVSR

MOV
Move
Source 100
100<
Dest B228:37
0000000001100100<

PID Prop Gain
Display Divisor
STS_PCPIDPROP_DIVSR

MOV
Move
Source 100
100<
Dest B228:38
0000000001100100<

PID Integ Gain
Display Divisor
STS_PCPIDINTG_DIVSR

MOV
Move
Source 10
10<
Dest B228:39
0000000000001010<

PID Diff Rate
Display Divisor
STS_PCPIDDIFF_DIVSR

MOV
Move
Source 100
100<
Dest B228:40
0000000001100100<

PID Setpoint
Display Divisor
STS_PCPIDSETP_DIVSR

MOV
Move
Source 10
10<
Dest B228:41
0000000000001010<

PID Deadband
Display Divisor
STS_PCPIDDBND_DIVSR

MOV
Move
Source 10
10<
Dest B228:42
0000000000001010<

PID Preload
Display Divisor
STS_PCPIDPRLD_DIVSR

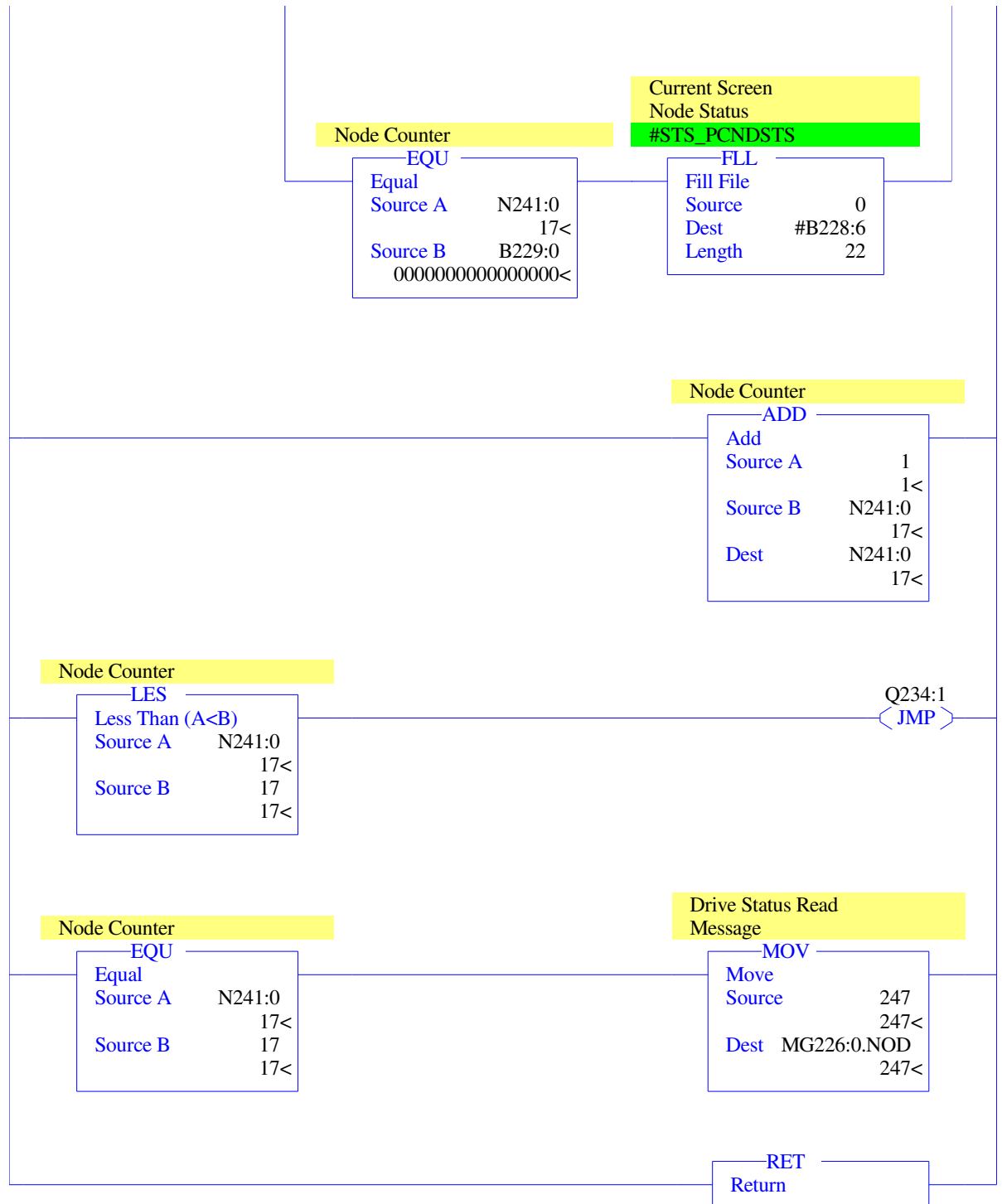
MOV
Move
Source 10
10<
Dest B228:43
0000000000001010<

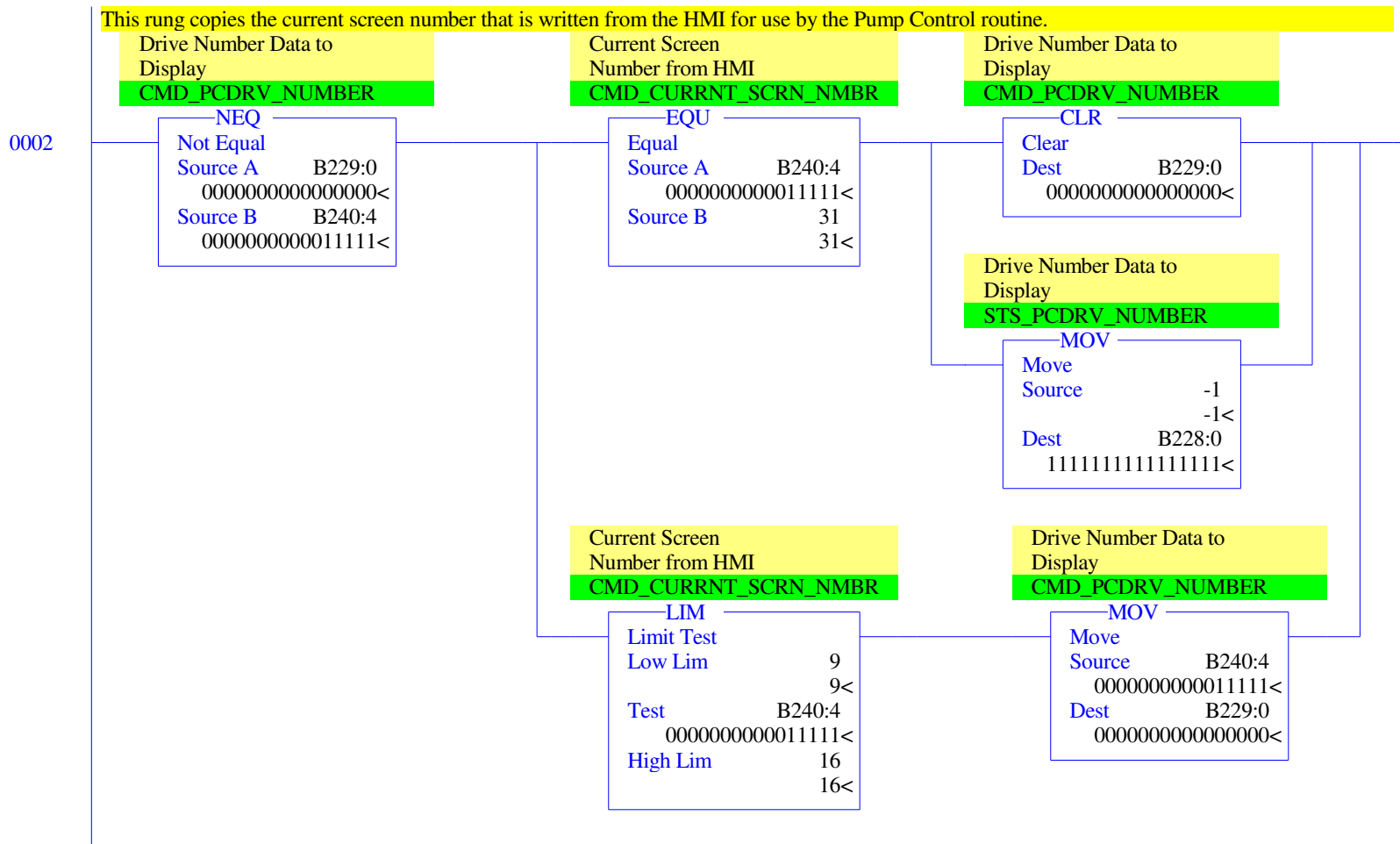
Node Counter

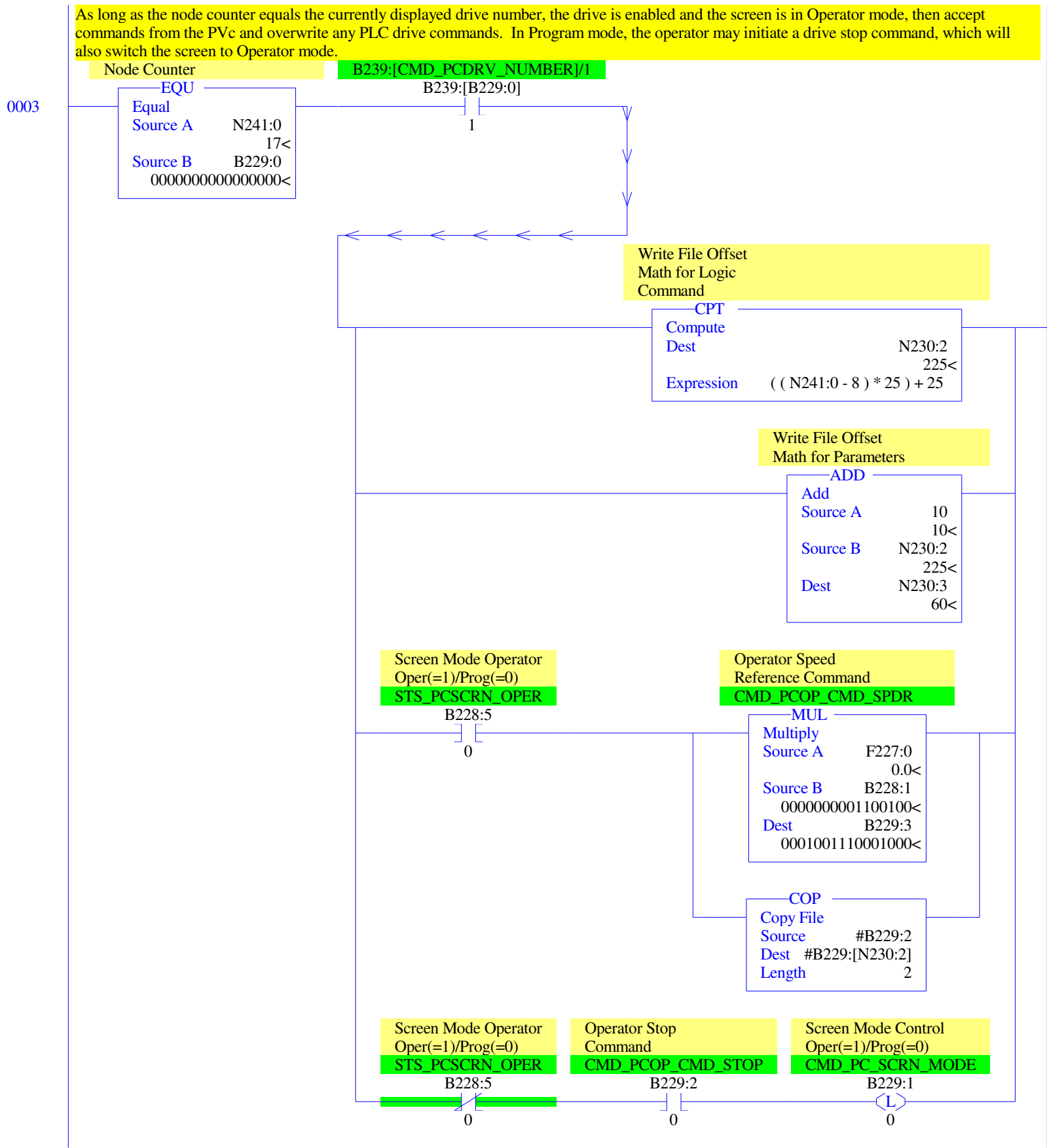
LIM
Limit Test 17
Low Lim 17<
Test N241:0 17<
High Lim 8
8<

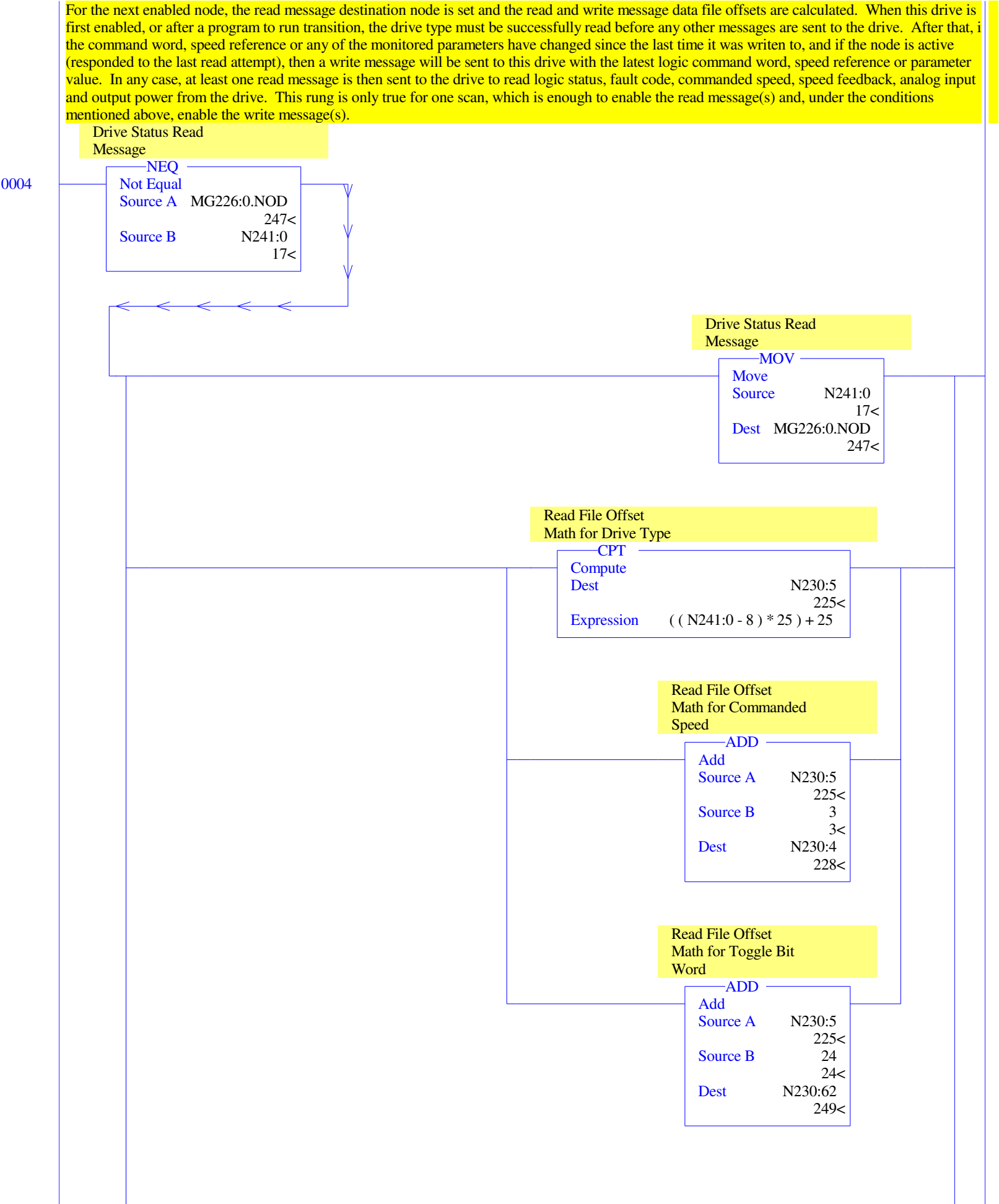
RET
Return











Write File Offset
Math for Logic
Command

CPT	
Compute	
Dest	N230:2 225<
Expression	((N241:0 - 8) * 25) + 25

Write File Offset
Math for Logic
Command Compare

ADD	
Add	
Source A	N230:2 225<
Source B	2 2<
Dest	N230:6 227<

Write File Offset
Math for Speed
Reference

ADD	
Add	
Source A	N230:2 225<
Source B	1 1<
Dest	N230:7 226<

Write File Offset
Math for P34

ADD	
Add	
Source A	N230:2 225<
Source B	10 10<
Dest	N230:38 235<

Write File Offset
Math for P35

ADD	
Add	
Source A	N230:2 225<
Source B	11 11<
Dest	N230:39 236<

Write File Offset
Math for P39

ADD
Add
Source A N230:2
225<
Source B 12
12<
Dest N230:40
237<

Write File Offset
Math for P40

ADD
Add
Source A N230:2
225<
Source B 13
13<
Dest N230:41
238<

Write File Offset
Math for P152

ADD
Add
Source A N230:2
225<
Source B 14
14<
Dest N230:42
239<

Write File Offset
Math for P154

ADD
Add
Source A N230:2
225<
Source B 15
15<
Dest N230:43
240<

Write File Offset
Math for P155

ADD
Add
Source A N230:2
225<
Source B 16
16<
Dest N230:44
241<

Write File Offset
Math for P156

ADD	
Add	
Source A	N230:2 225<
Source B	17 17<
Dest	N230:45 242<

Write File Offset
Math for P157

ADD	
Add	
Source A	N230:2 225<
Source B	18 18<
Dest	N230:46 243<

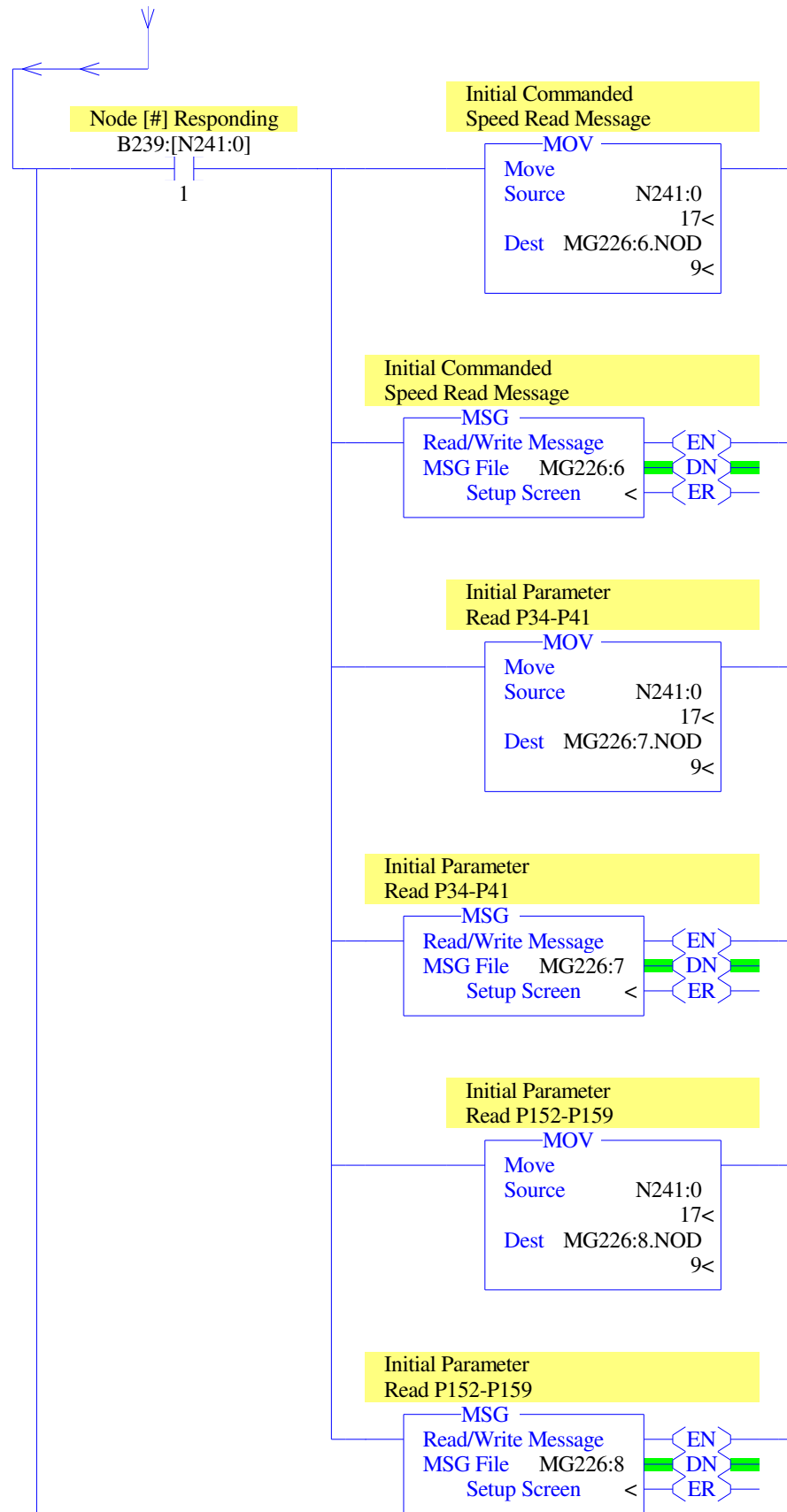
Write File Offset
Math for P158

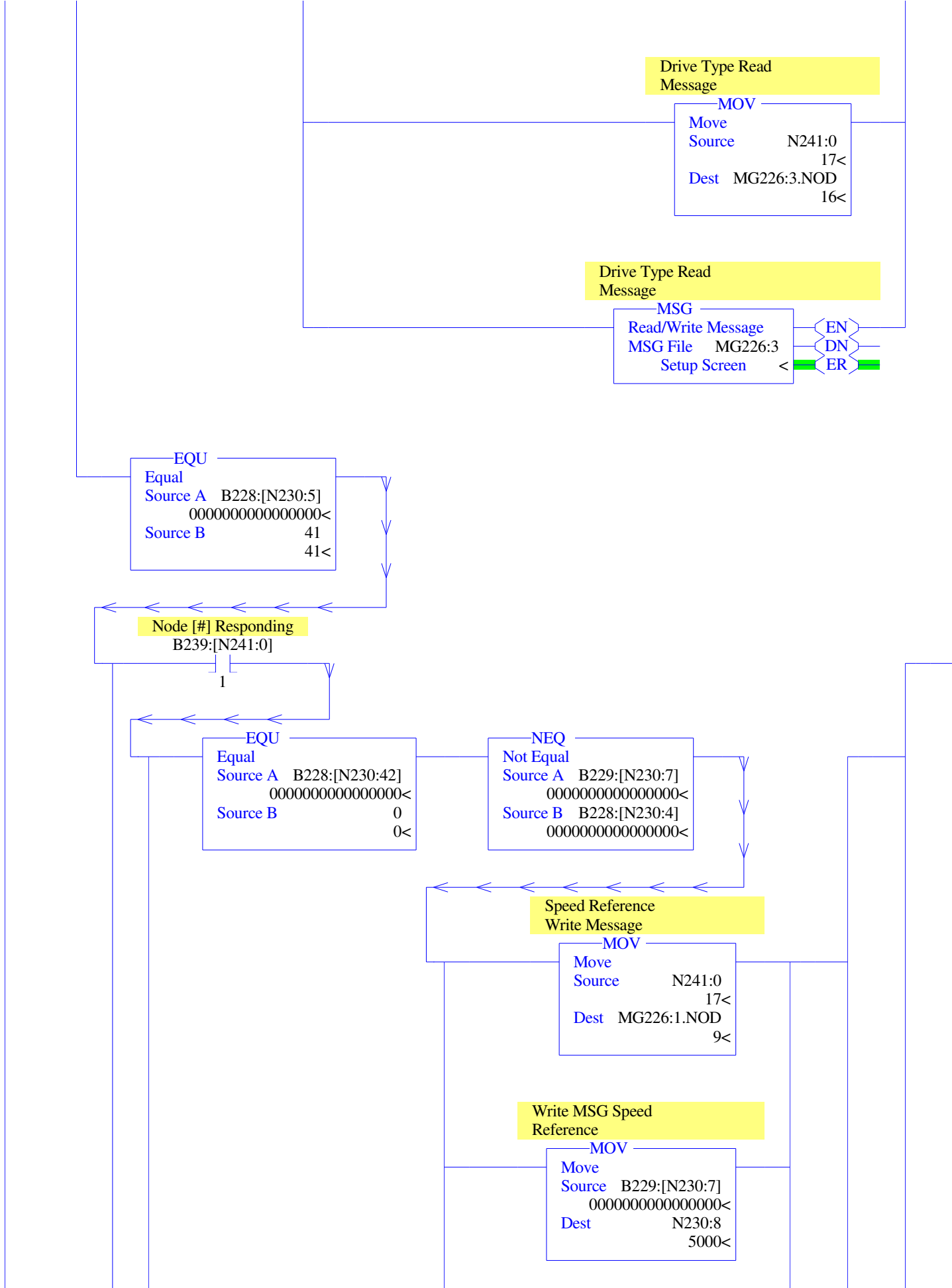
ADD	
Add	
Source A	N230:2 225<
Source B	19 19<
Dest	N230:47 244<

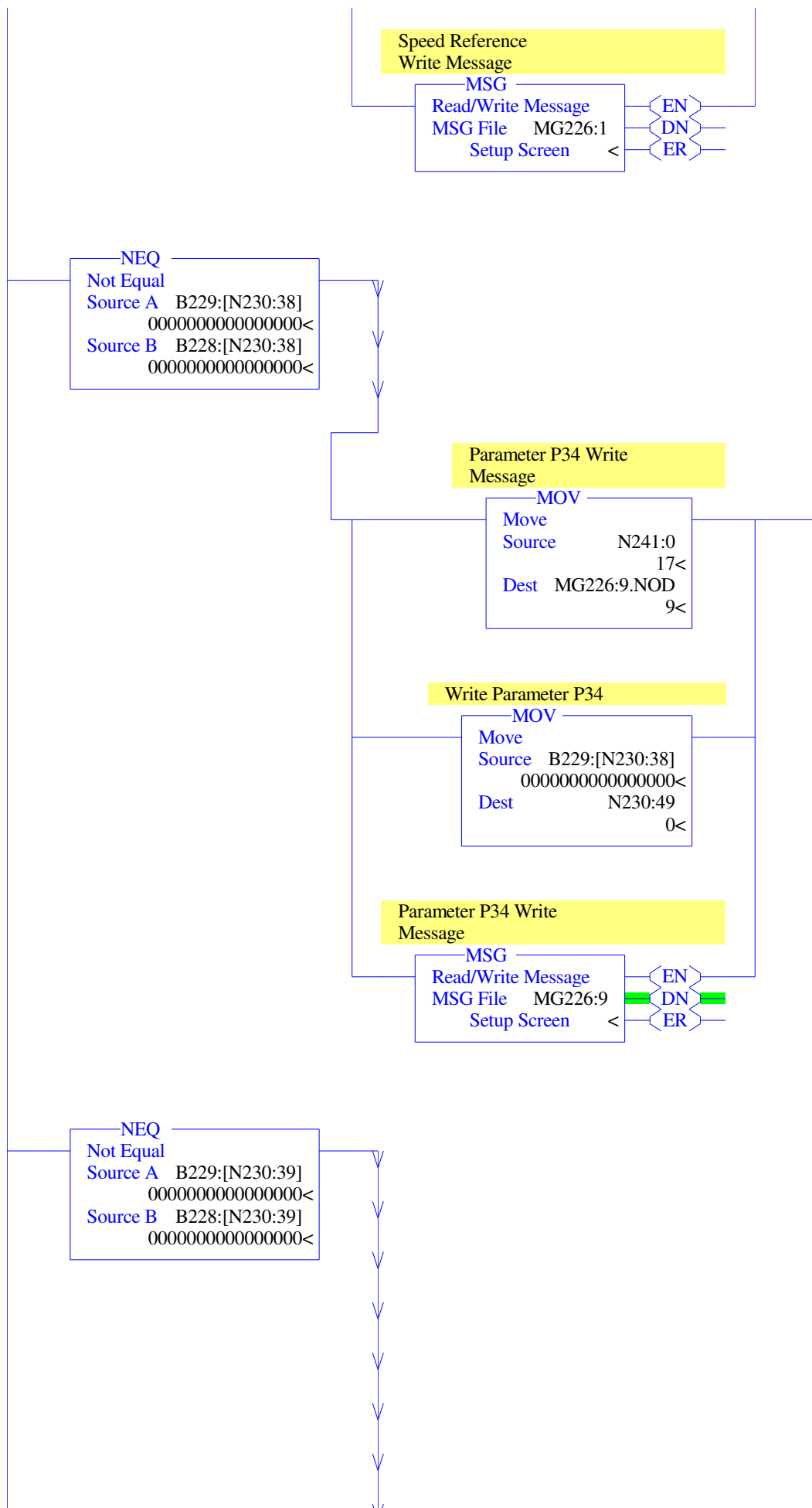
Write File Offset
Math for P159

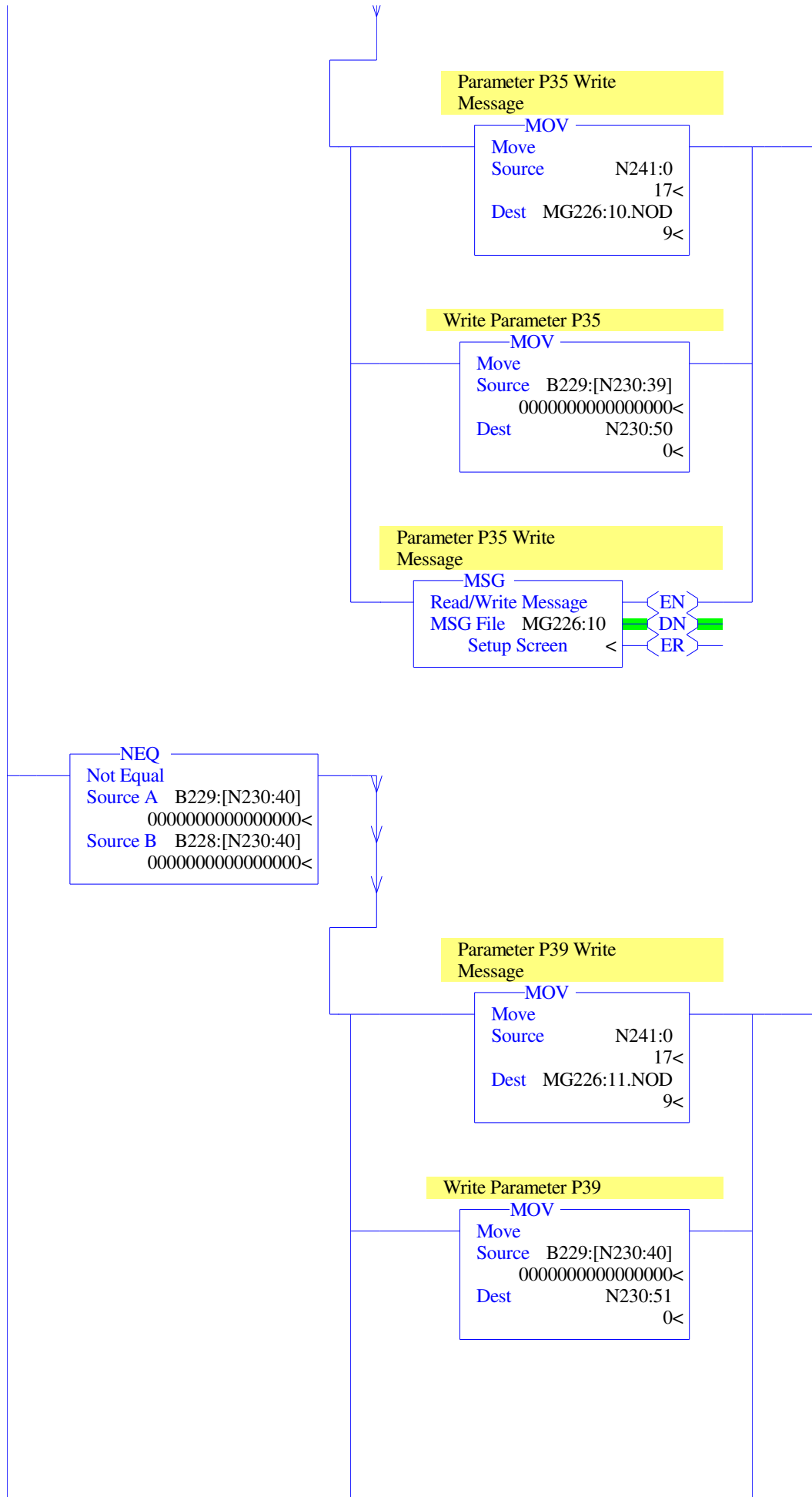
ADD	
Add	
Source A	N230:2 225<
Source B	20 20<
Dest	N230:48 245<

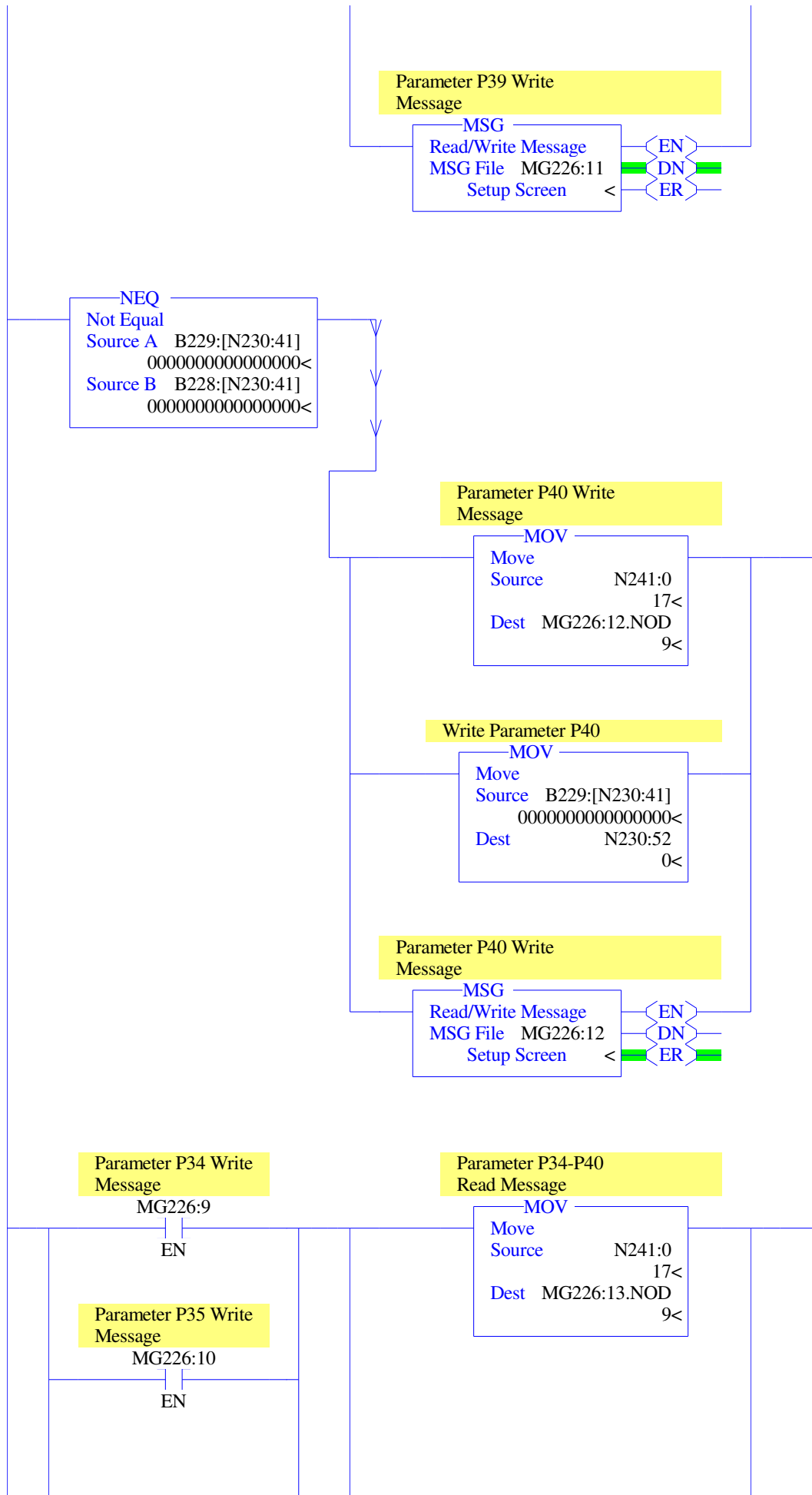
EQU	
Equal	
Source A	B228:[N230:5] 0000000000000000<
Source B	0 0<

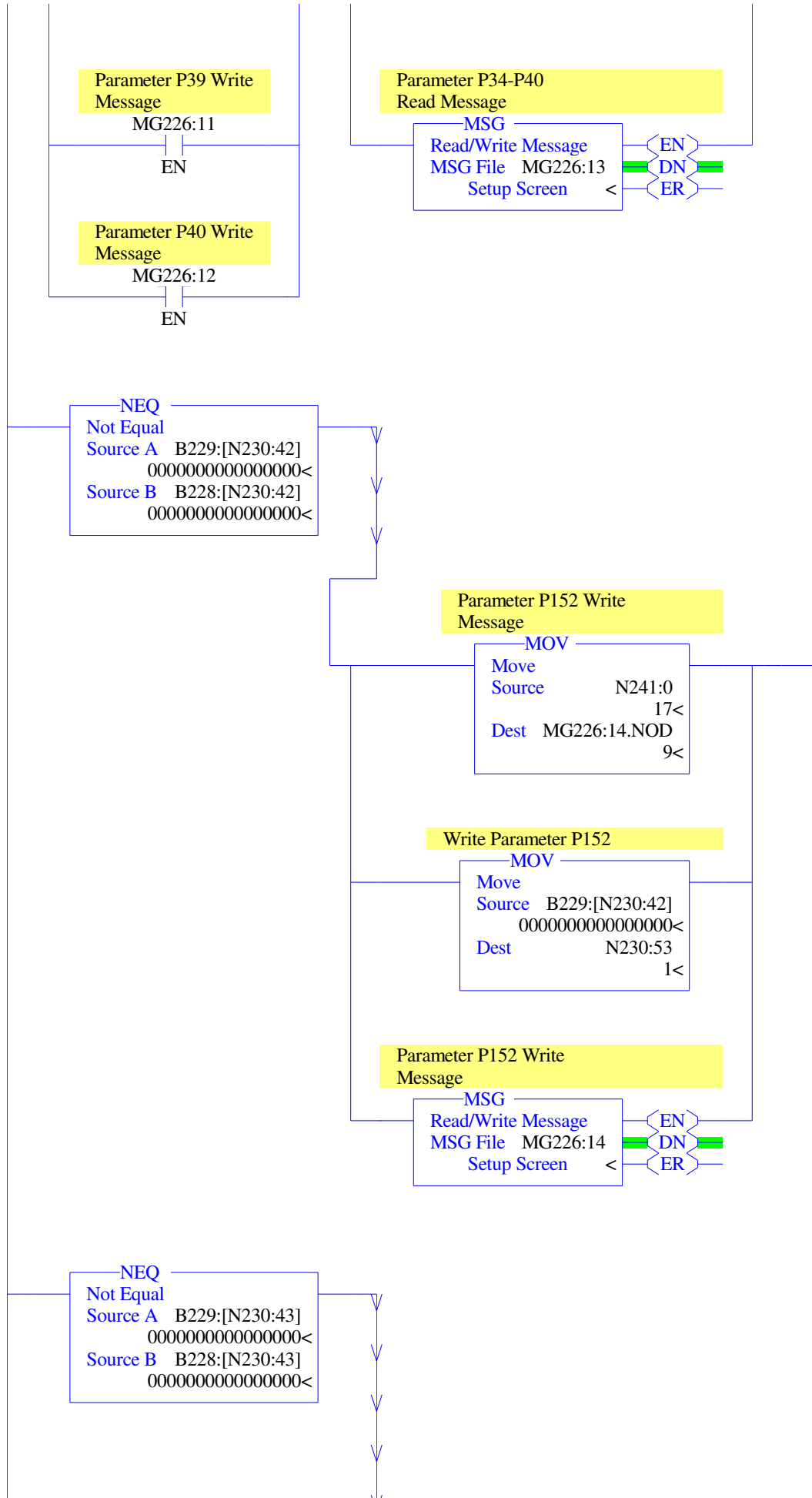


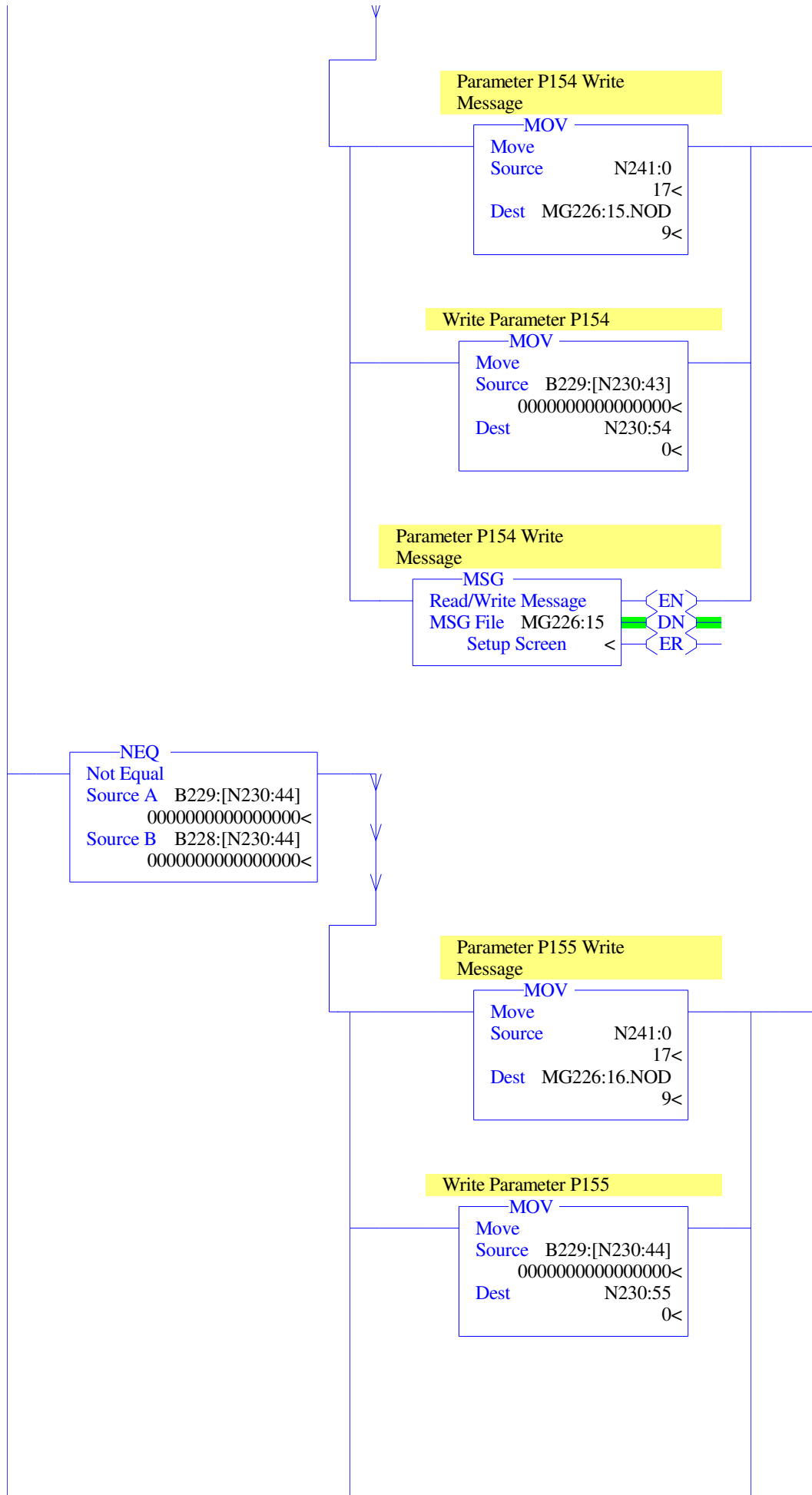


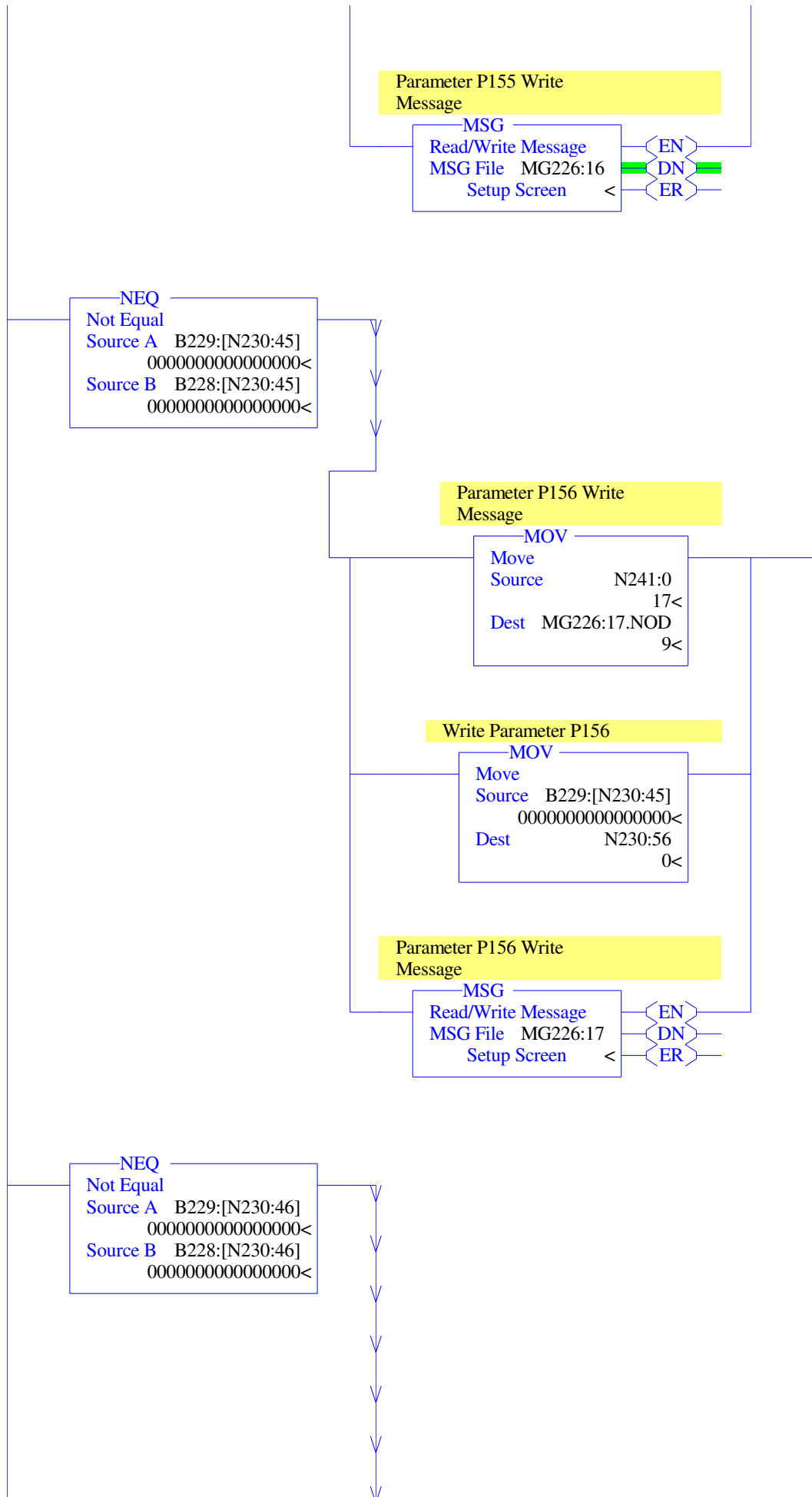


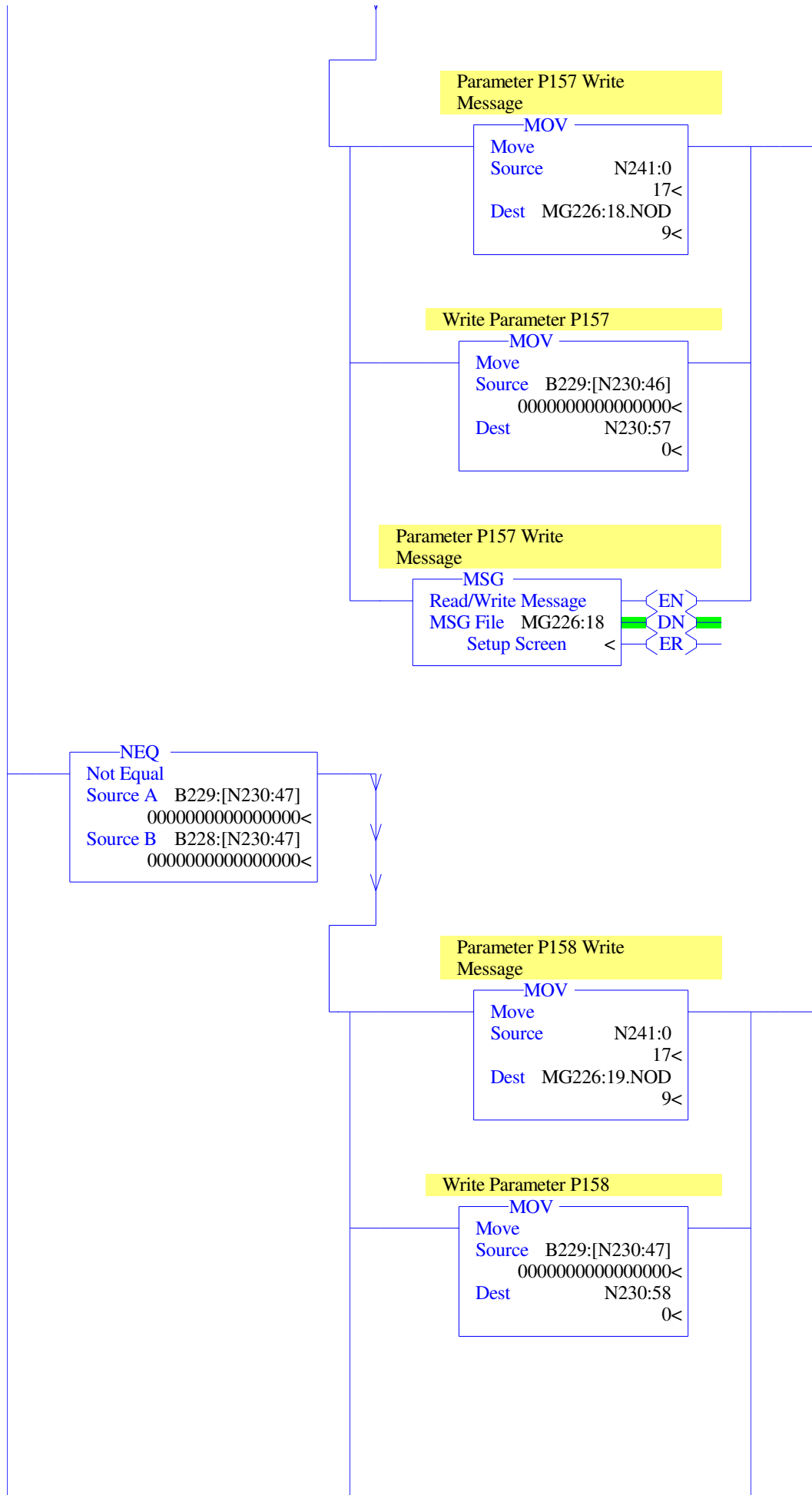


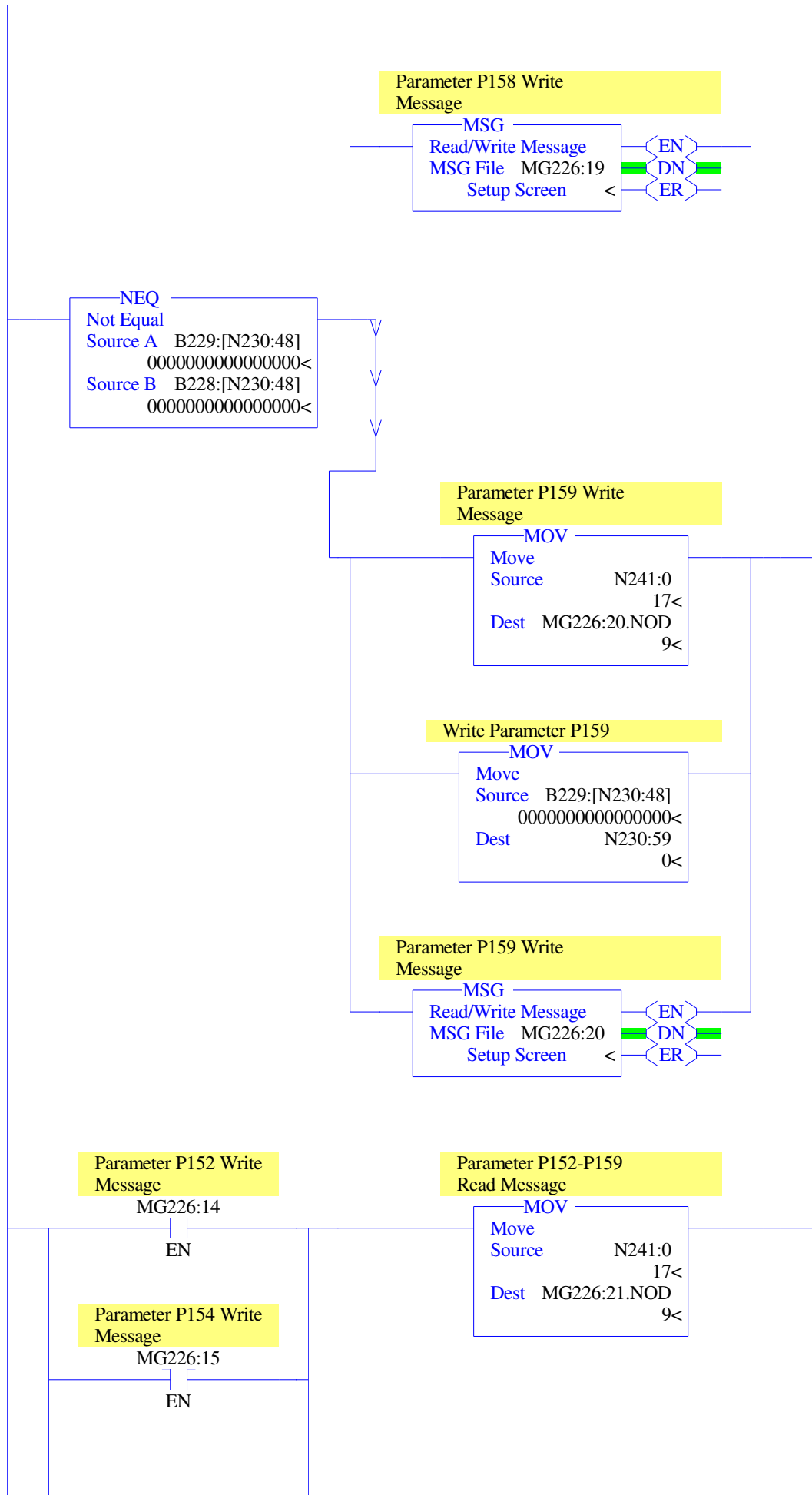




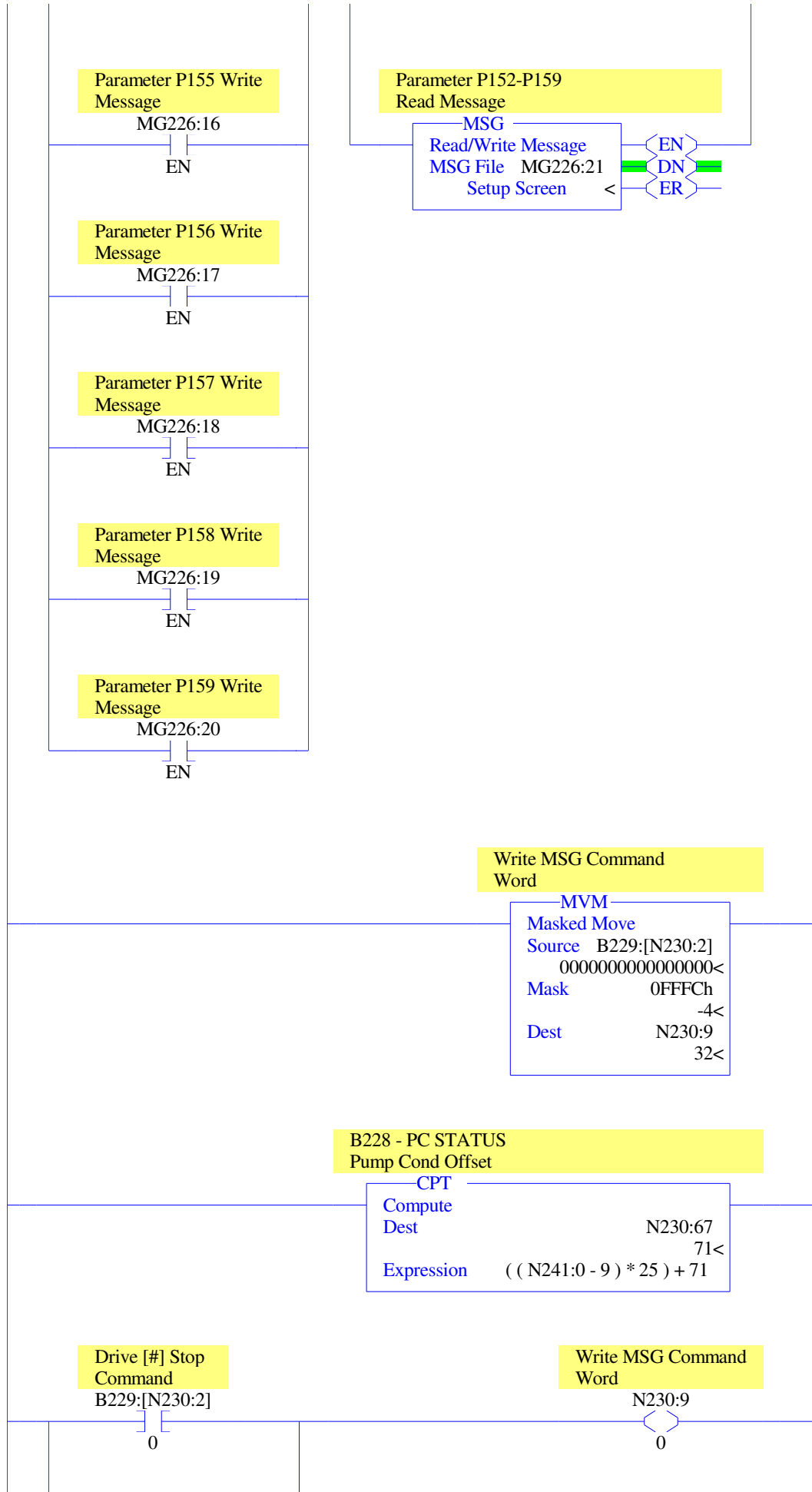


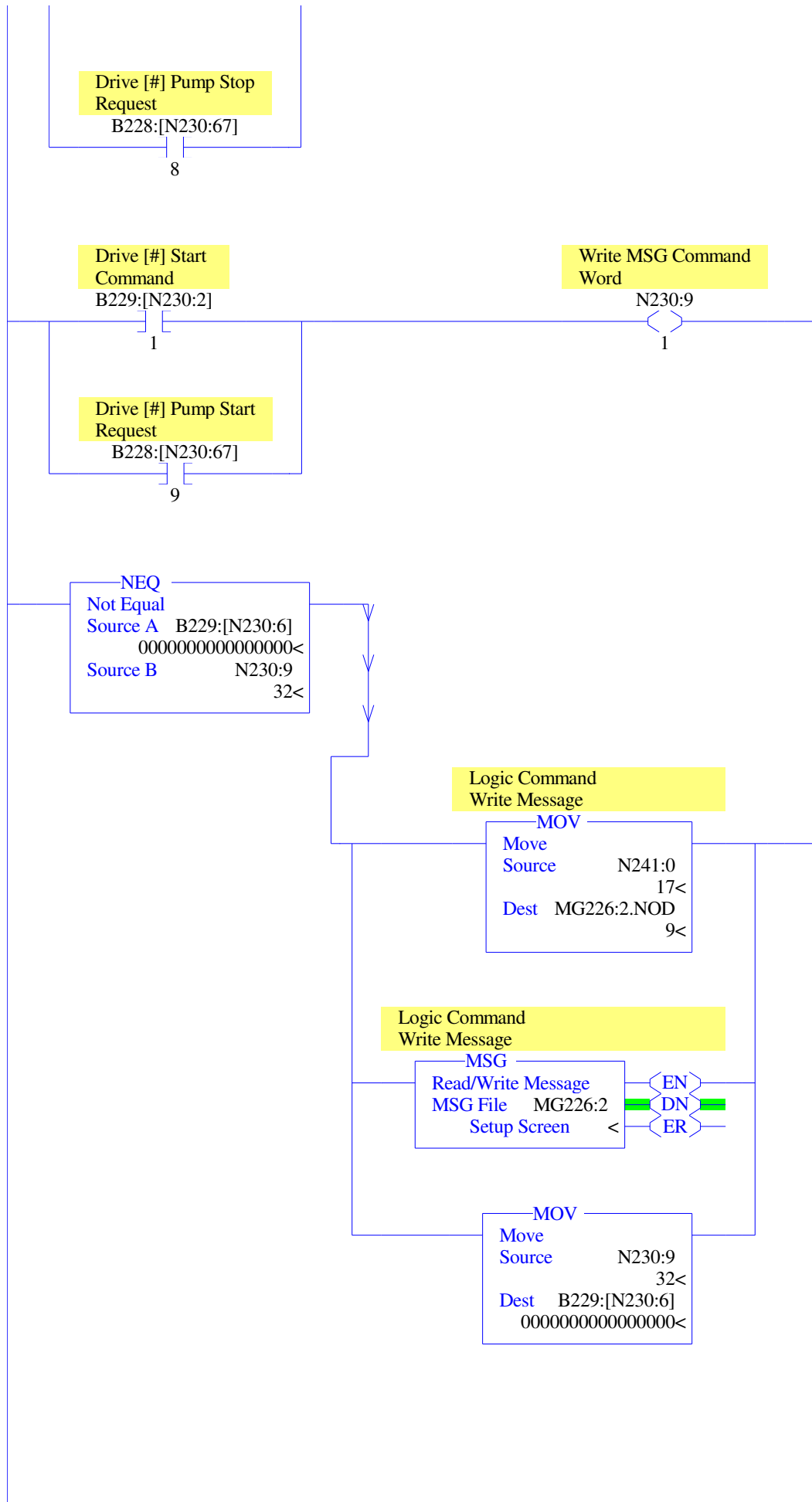


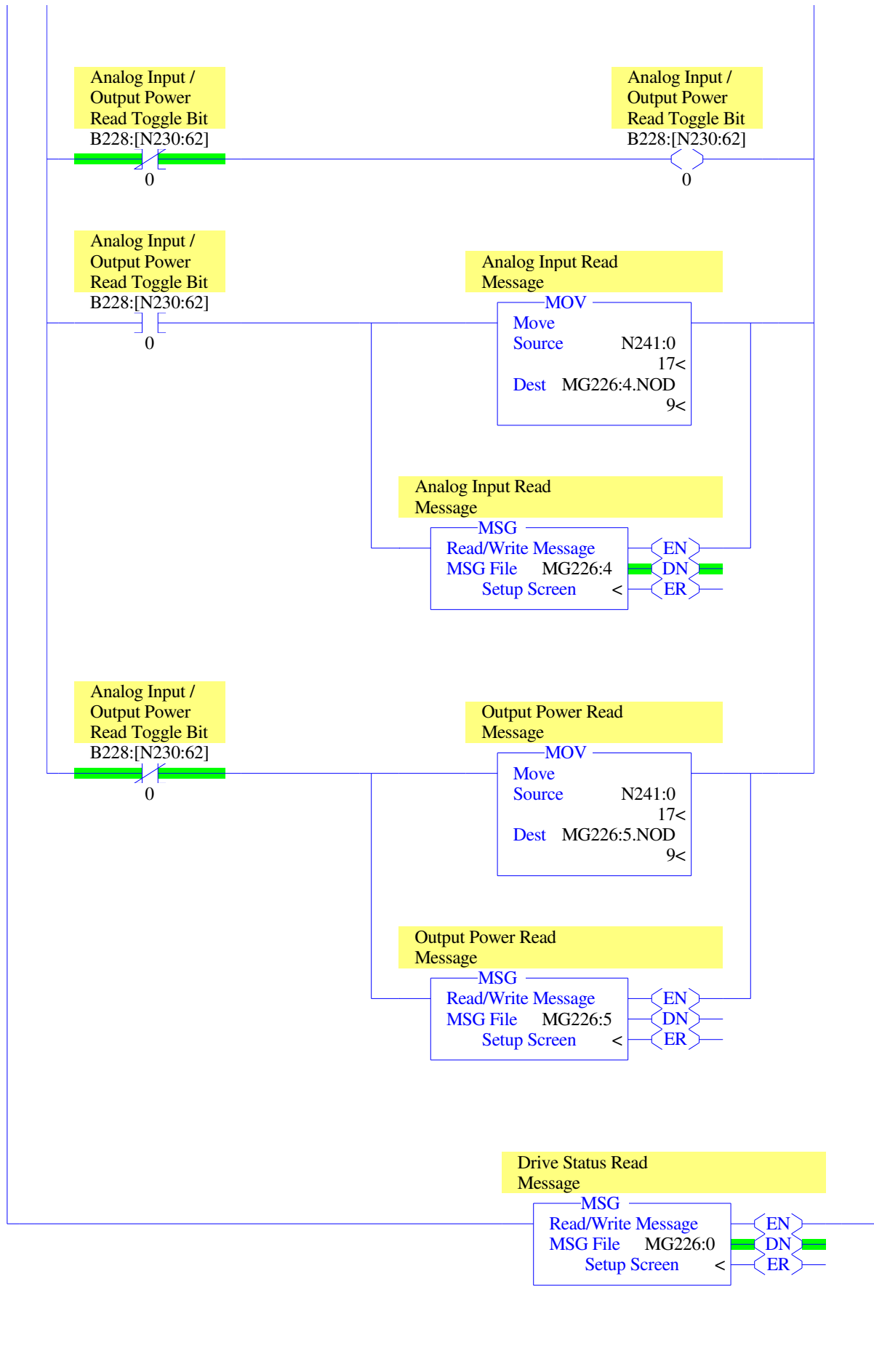




LAD 234 - PUMP COMM --- Total Rungs in File = 12

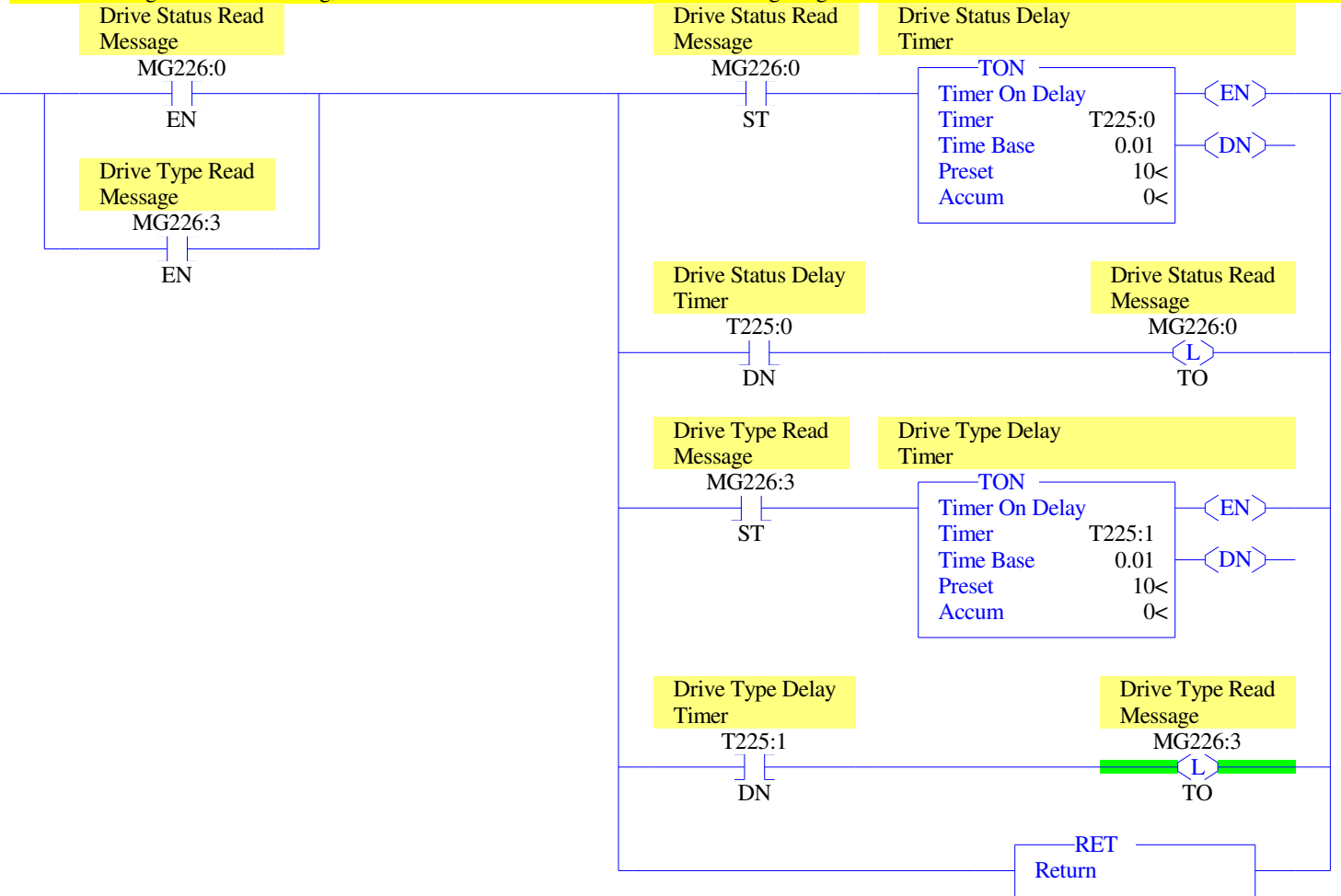






0005

As long as one of the read messages is still executing for the current node, the subroutine ends here. The Drive Type and Drive Status read messages use external 100 millisecond message timeout timers in order to minimize communication delays if an enabled node stops communicating. Once the last read message is done executing, then the result can be evaluated in the remaining rungs.



If the Drive Type value was previously 0 and the Drive Type read message completes done, then an initial read is done of the commanded speed and the monitored parameters. Once these reads complete successfully, then the Drive Type value is saved to the appropriate location in the drive status file and the node counter is incremented.

0006

Drive Type Read
Message

MG226:3

DN

EQU
Equal
Source A B228:[N230:5]
0000000000000000<
Source B
0
0<

Node [#] Responding

B239:[N241:0]

1

Initial Commanded
Speed Read Message

MG226:6

DN

MOV

Move
Source N230:13
0<
Dest B229:[N230:7]
0000000000000000<

MOV

Move
Source N230:13
0<
Dest B228:[N230:4]
0000000000000000<

Initial Parameter
Read P34-P41

MG226:7

DN

COP

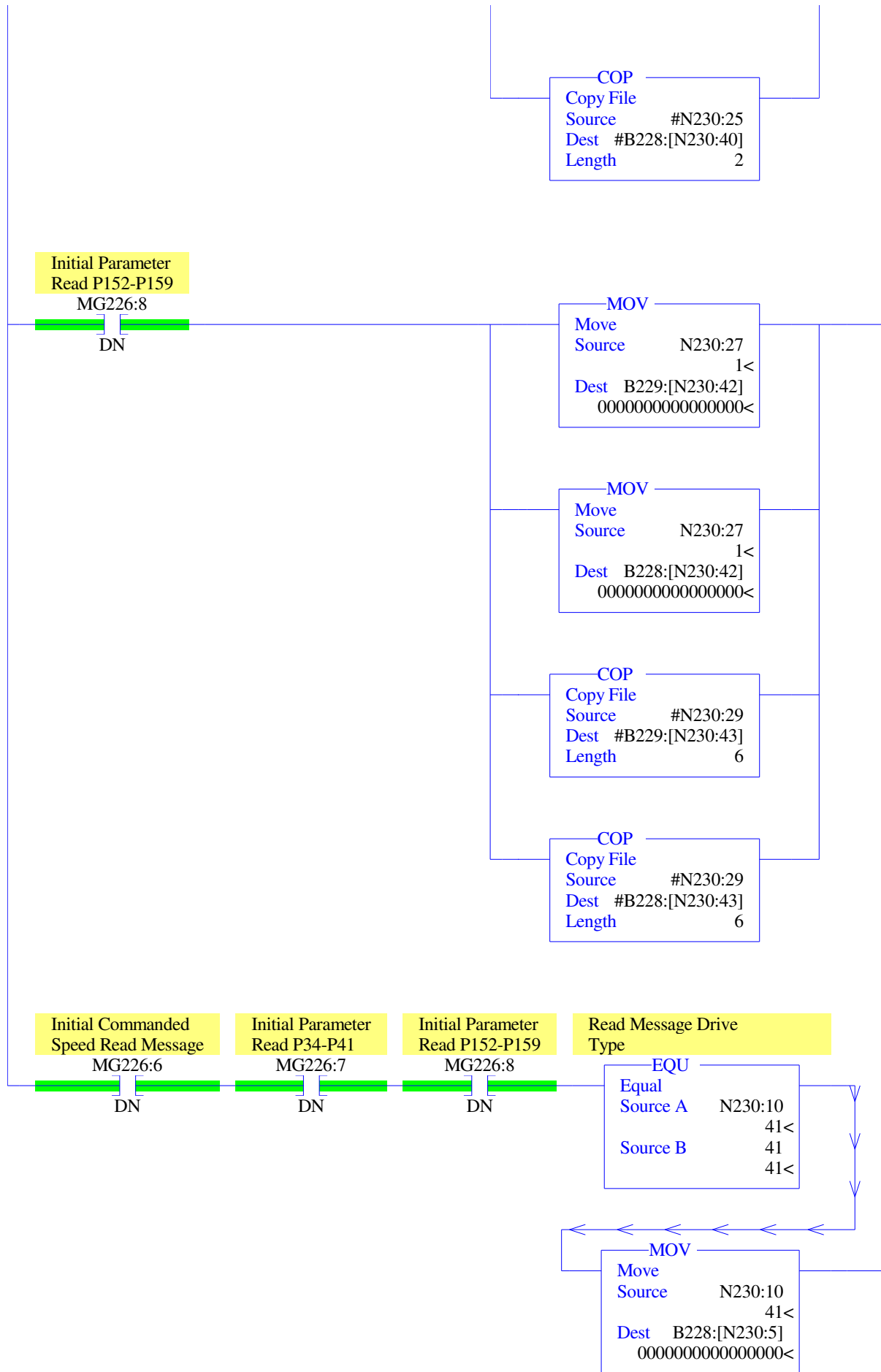
Copy File
Source #N230:20
Dest #B229:[N230:38]
Length 2

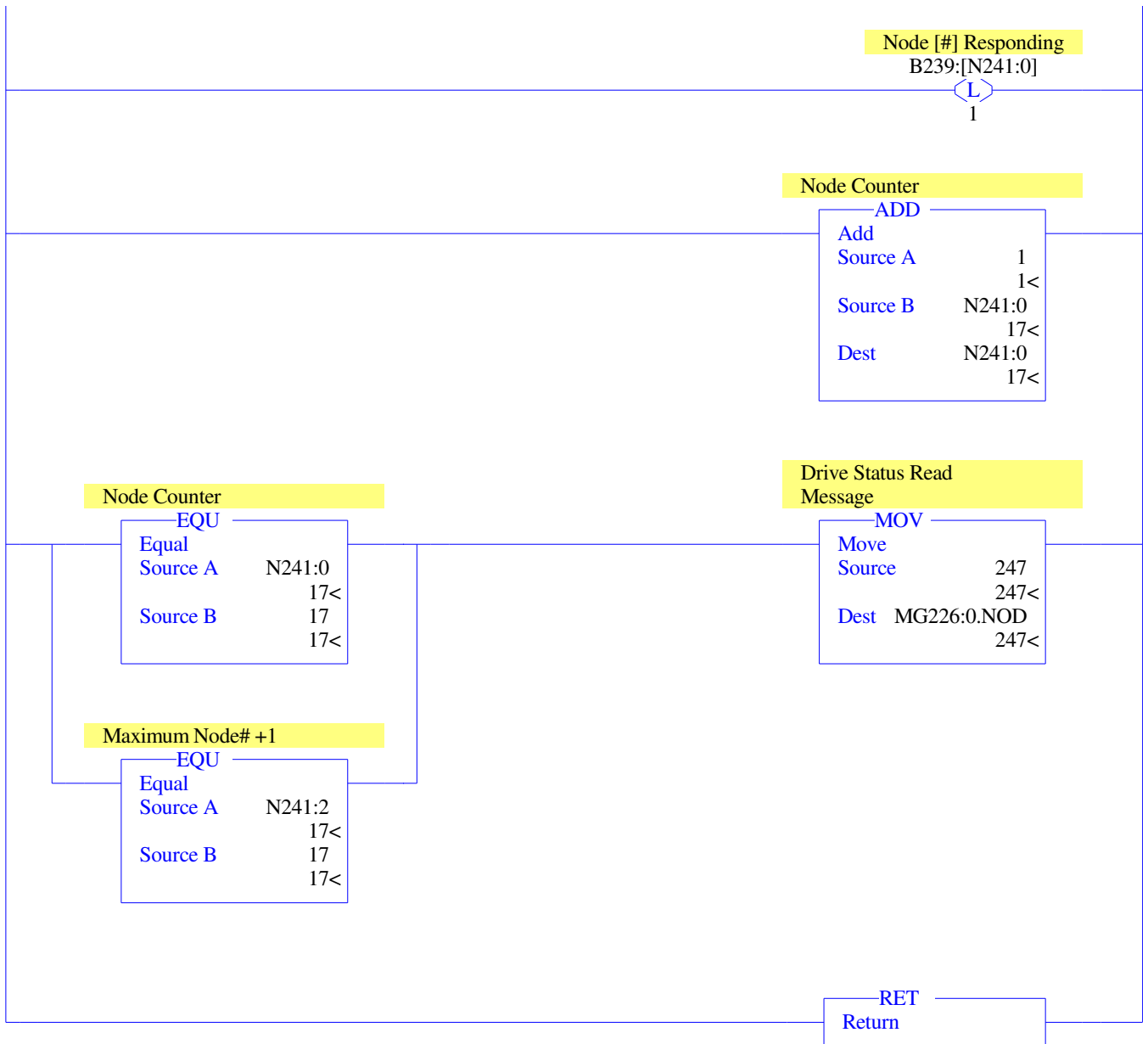
COP

Copy File
Source #N230:20
Dest #B228:[N230:38]
Length 2

COP

Copy File
Source #N230:25
Dest #B229:[N230:40]
Length 2





If the Drive Type value is 0 and the Drive Type read message completes in error, then clear the node active, ready and running bits and increment the node counter.

0007

Drive Type Read
Message

MG226:3

ER

EQU

Equal

Source A B228:[N230:5]

0000000000000000<

Source B

0

0<

Node [#] Responding

B239:[N241:0]

U

1

Node [#] Ready

B239:[N241:0]

U

2

Node [#] Running

B239:[N241:0]

U

3

Node Counter

EQU

Equal

Source A N241:0

17<

Source B B229:0

0000000000000000<

Pump Control PVc
Display Control

JSR

Jump To Subroutine
SBR File Number

U:233

Node Counter

ADD

Add

Source A

1

1<

Source B

N241:0

17<

Dest

N241:0

17<

Node Counter

EQU

Equal

Source A N241:0

17<

Source B

17

17<

Drive Status Read
Message

MOV

Move

Source

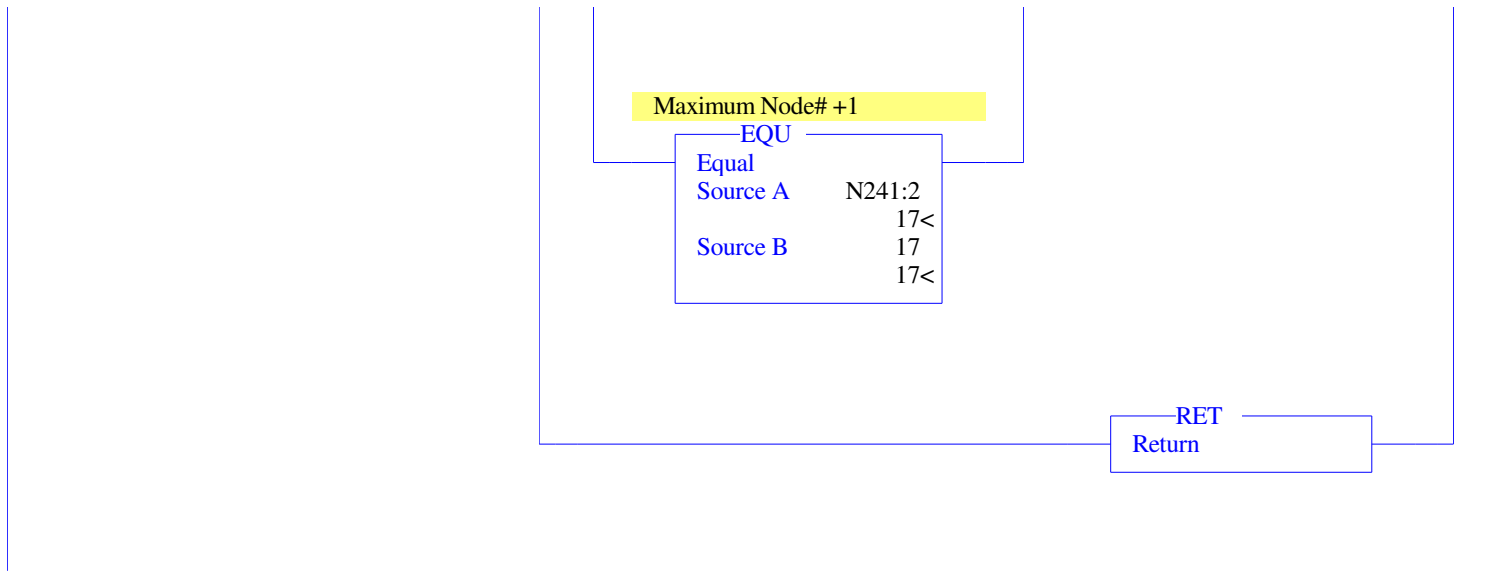
247

247<

Dest

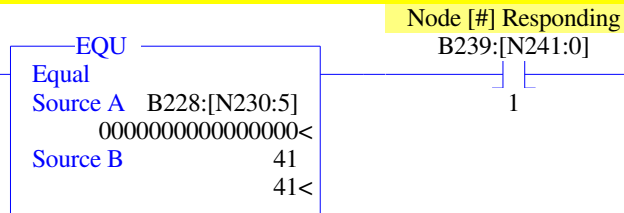
MG226:0.NOD

247<

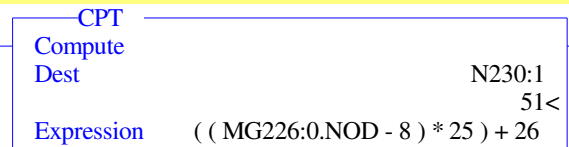


Calculate read offsets into the drive status file based on the drive node number. Process analog input and output power read messages, which alternate execution each scan.

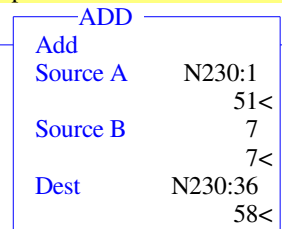
0008



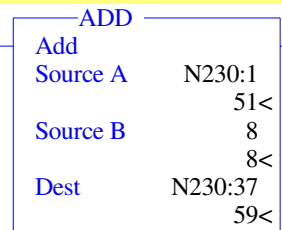
Read File Offset
Math for Status



Read File Offset
Math for Analog
Input 1



Read File Offset
Math for Output
Power

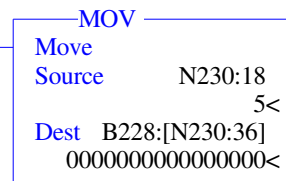


**Analog Input /
Output Power
Read Toggle Bit**
B228:[N230:62]

0

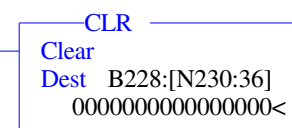
**Analog Input Read
Message**
MG226:4

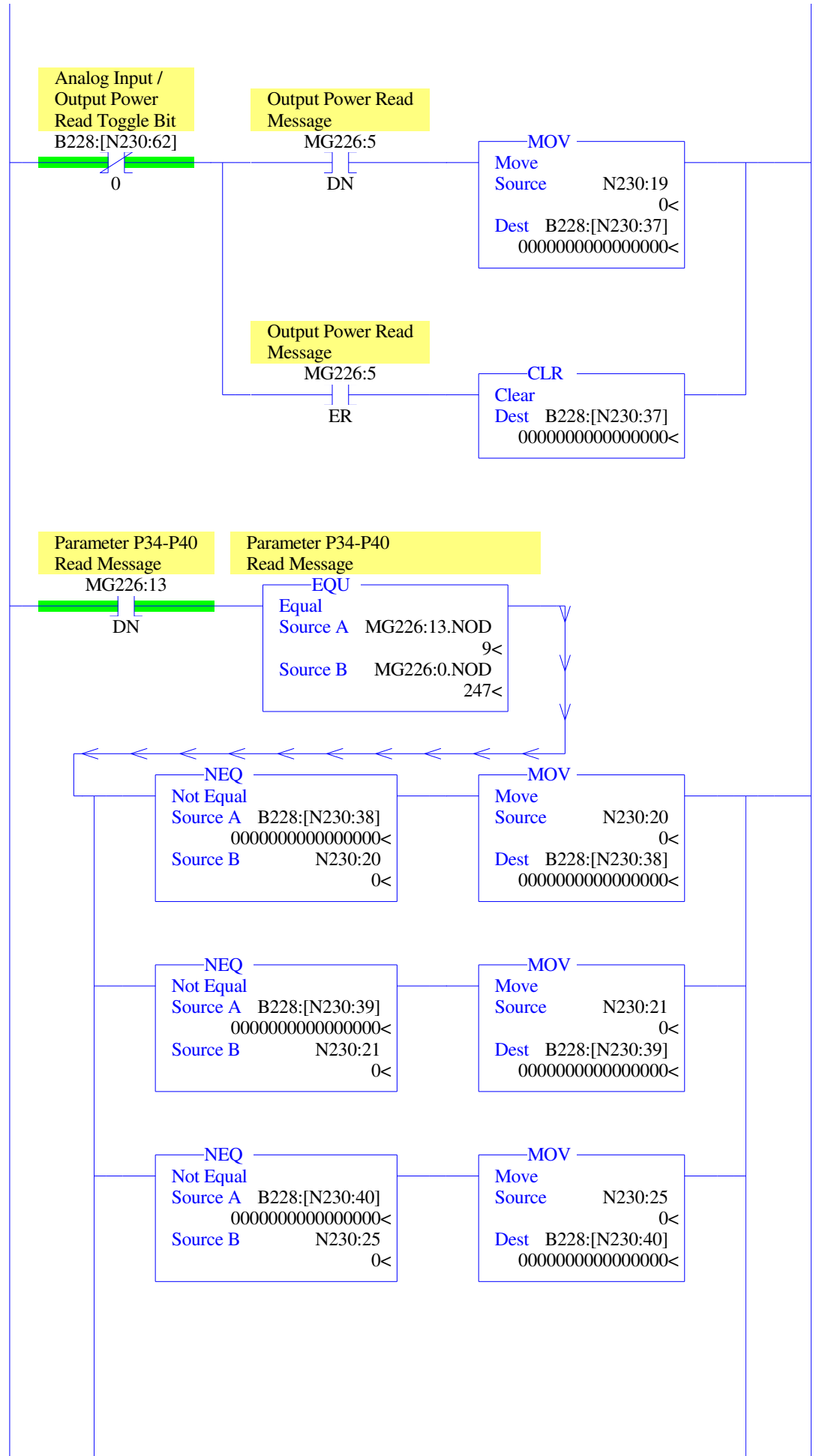
DN

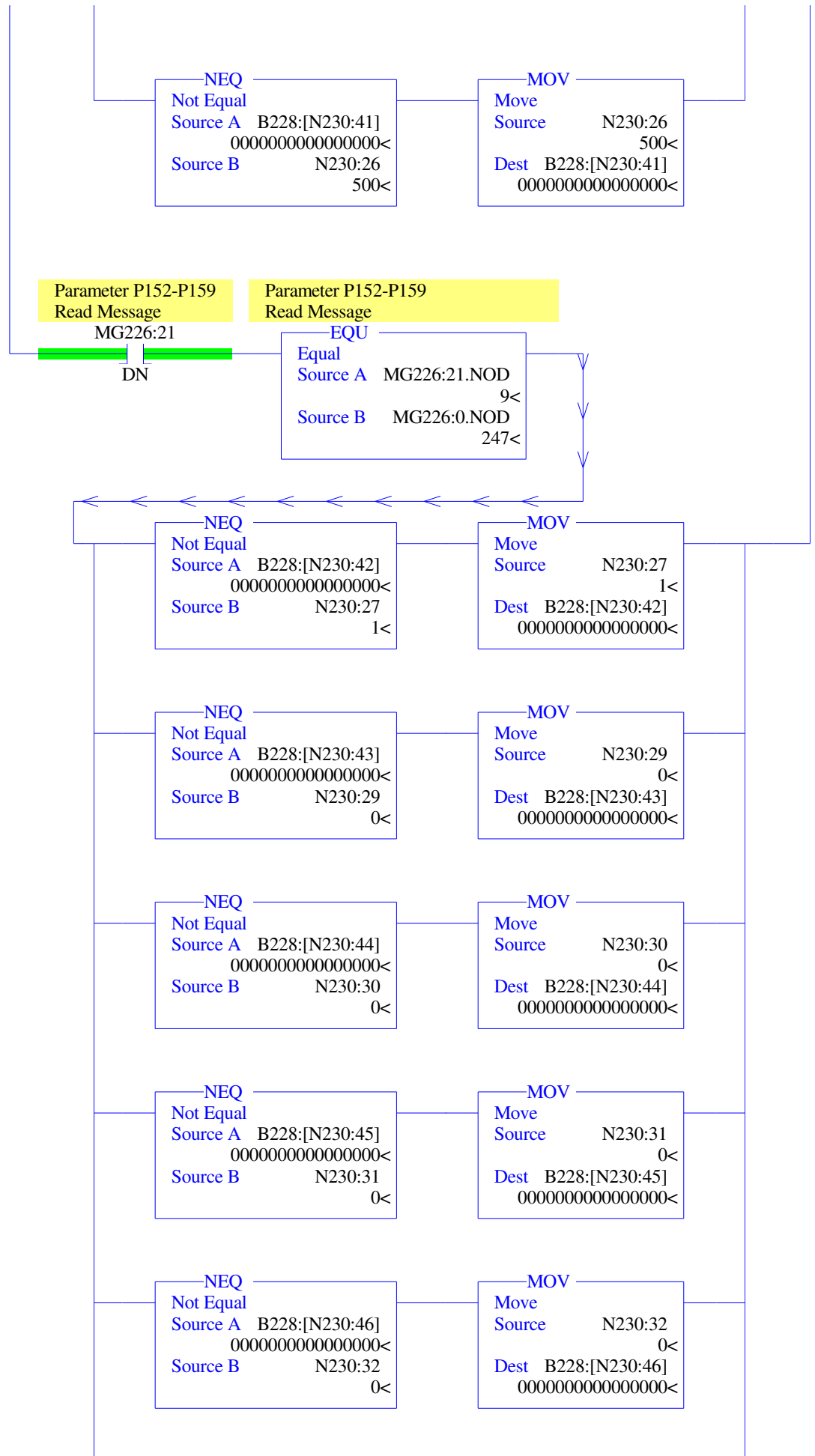


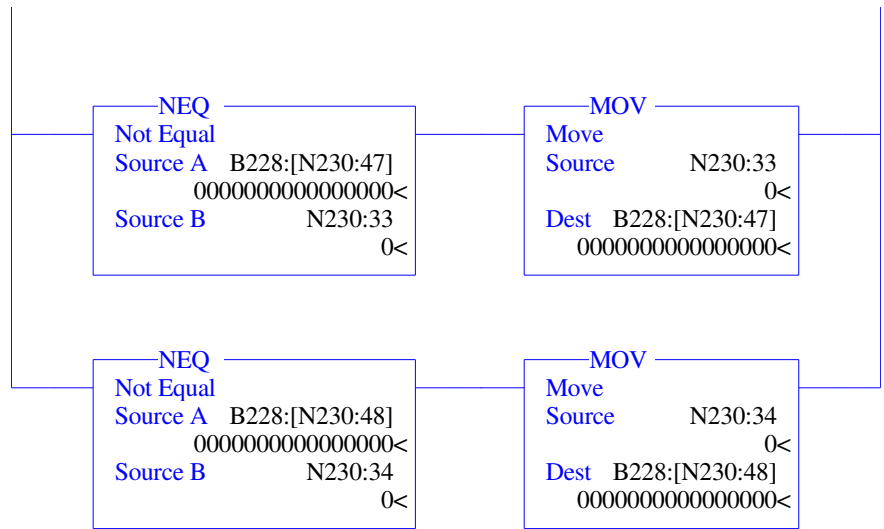
**Analog Input Read
Message**
MG226:4

ER









If the drive status read message completes successfully, then copy the data read to the appropriate offset for this node in the drive status file. A successful read sets the active node bit for this drive in the Node Status file. The ready and running bits are also updated in the Node Status file. If this drive is currently being displayed on the HMI, then update the screen data. Finally, the node counter gets incremented.

0009

Drive Status Read
Message

MG226:0

DN

EQU

Equal

Source A B228:[N230:5]

0000000000000000<

Source B

41

41<

COP

Copy File

Source #N230:11

Dest #B228:[N230:1]

Length 9

B228 - PC STATUS
Logic Status Offset

CPT

Compute

Dest

N230:71

71<

Expression $((N241:0 - 9) * 25) + 71$

Node [#] Responding

B239:[N241:0]

L

1

Drive [#] Pump Ready

B228:[N230:71]

0

Node [#] Ready

B239:[N241:0]

L

2

Drive [#] Pump Ready

B228:[N230:71]

0

Node [#] Ready

B239:[N241:0]

U

2

Drive [#]

Pump Running

B228:[N230:71]

1

Node [#] Running

B239:[N241:0]

L

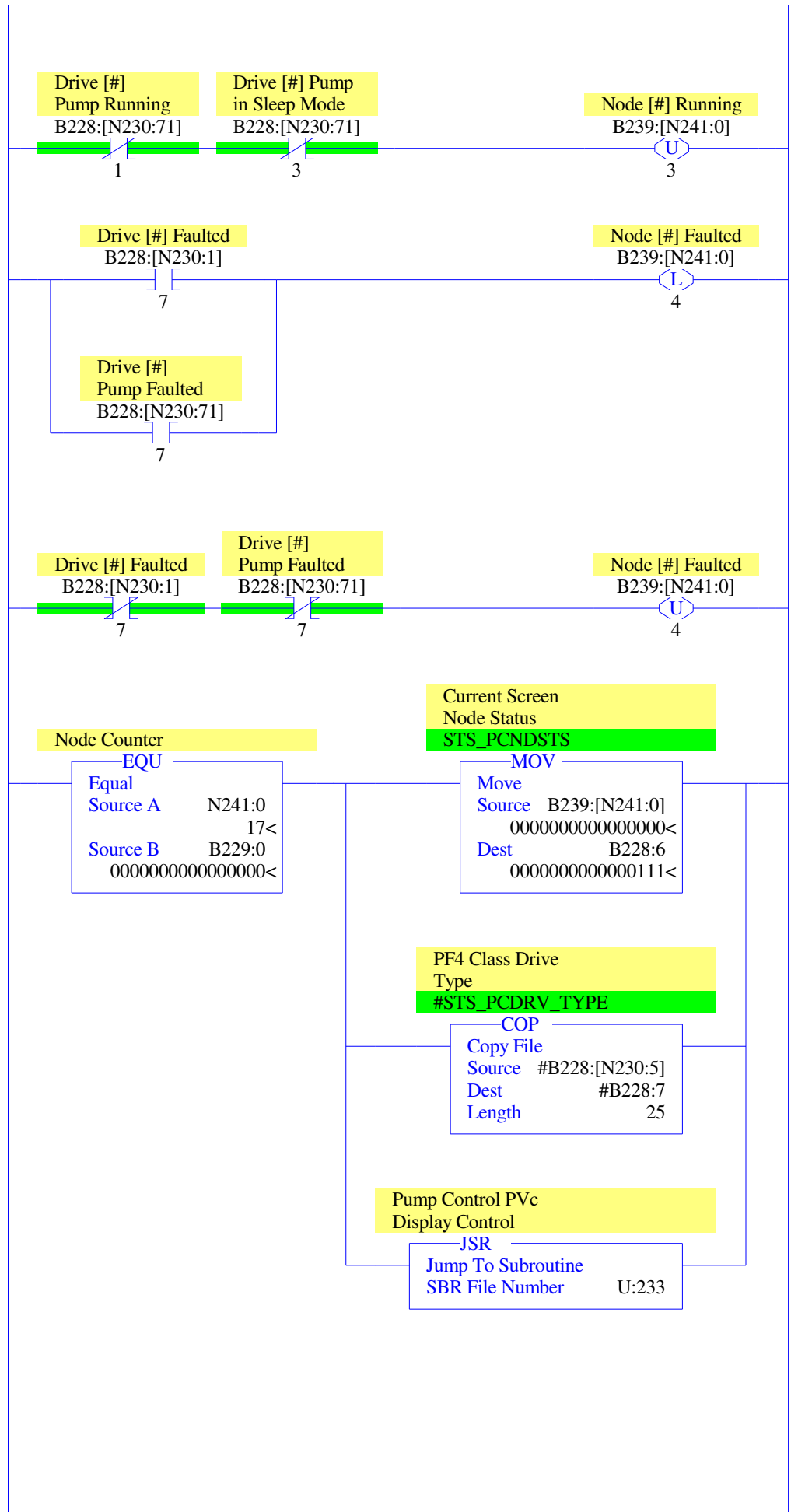
3

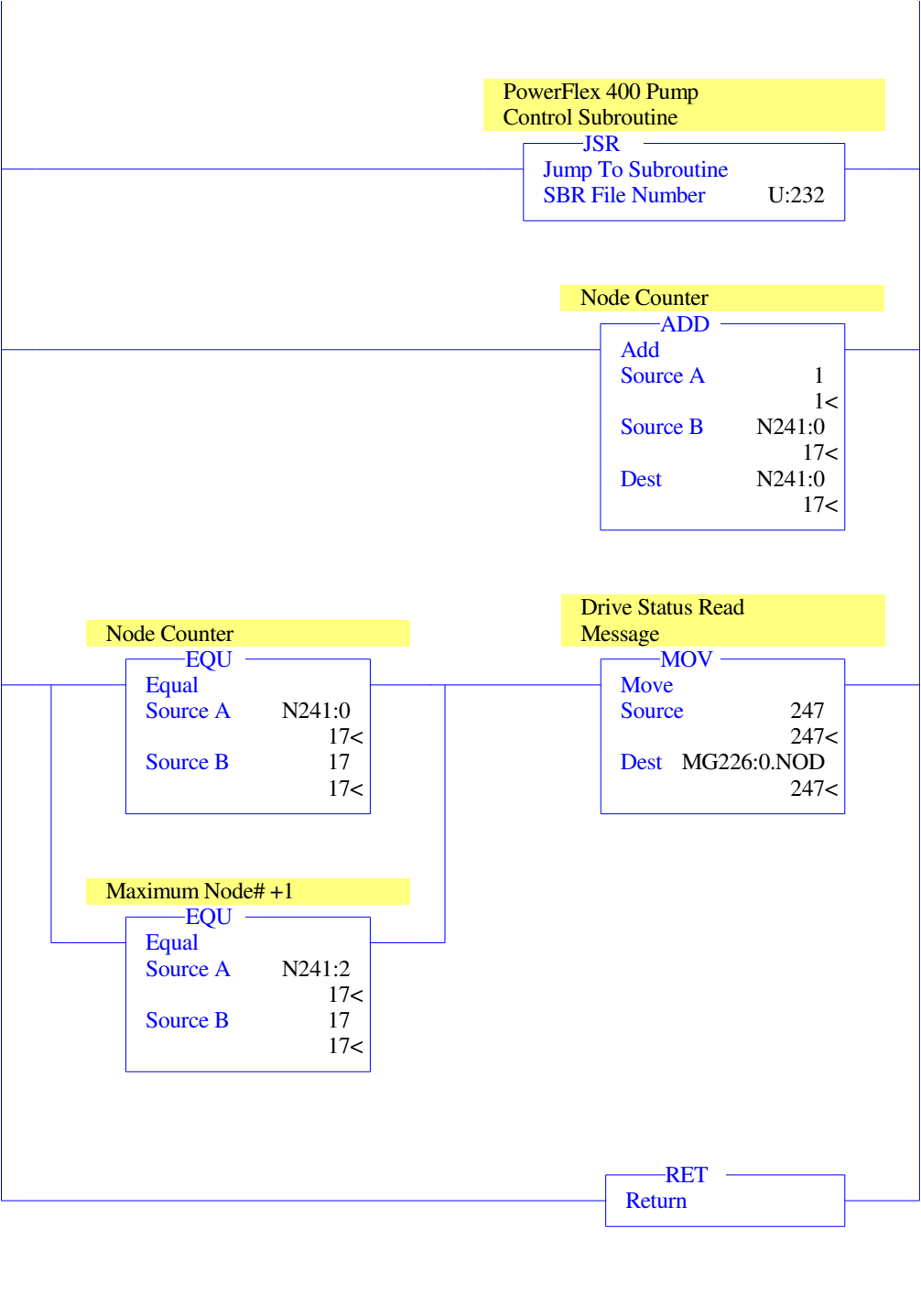
Drive [#] Pump

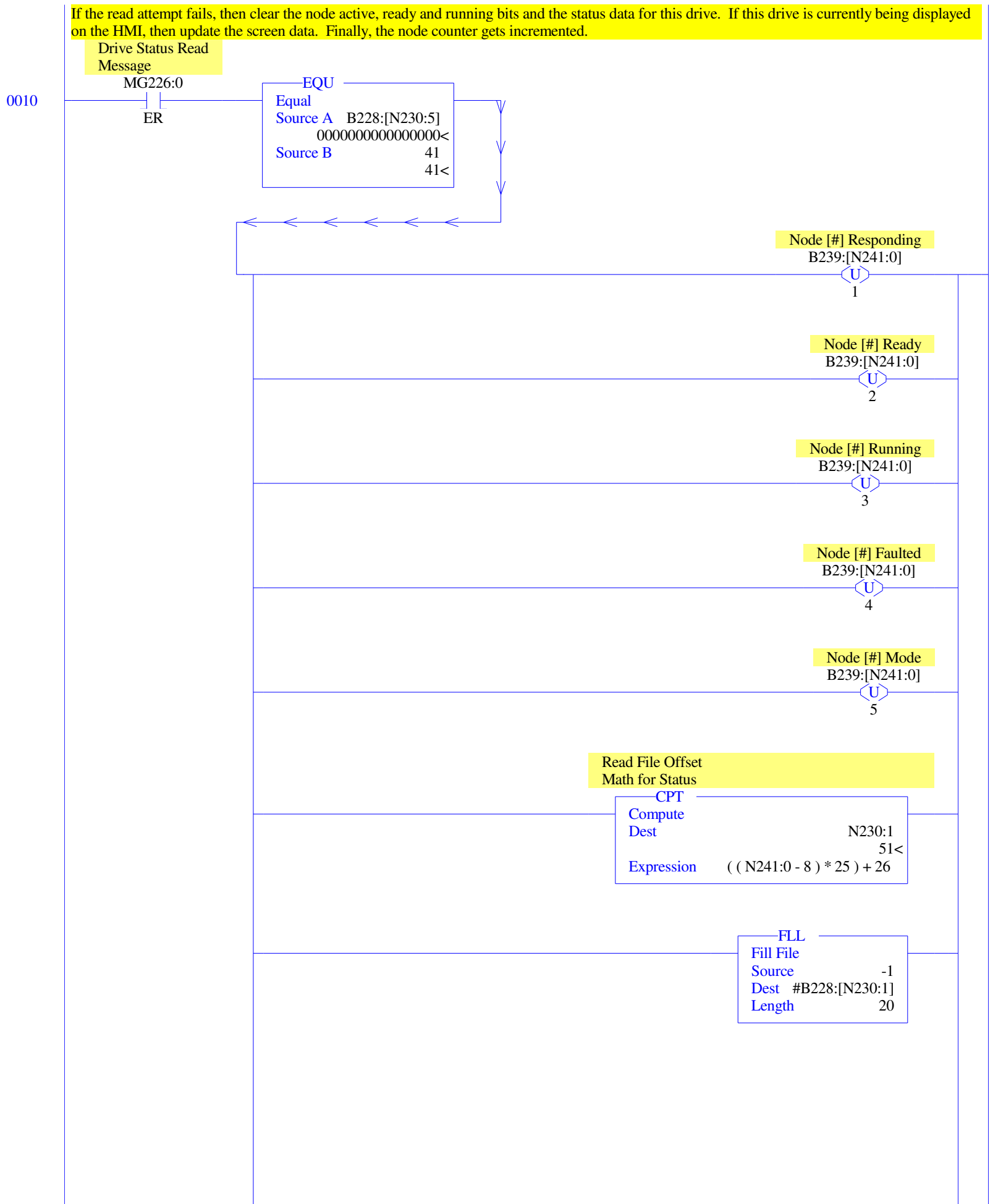
in Sleep Mode

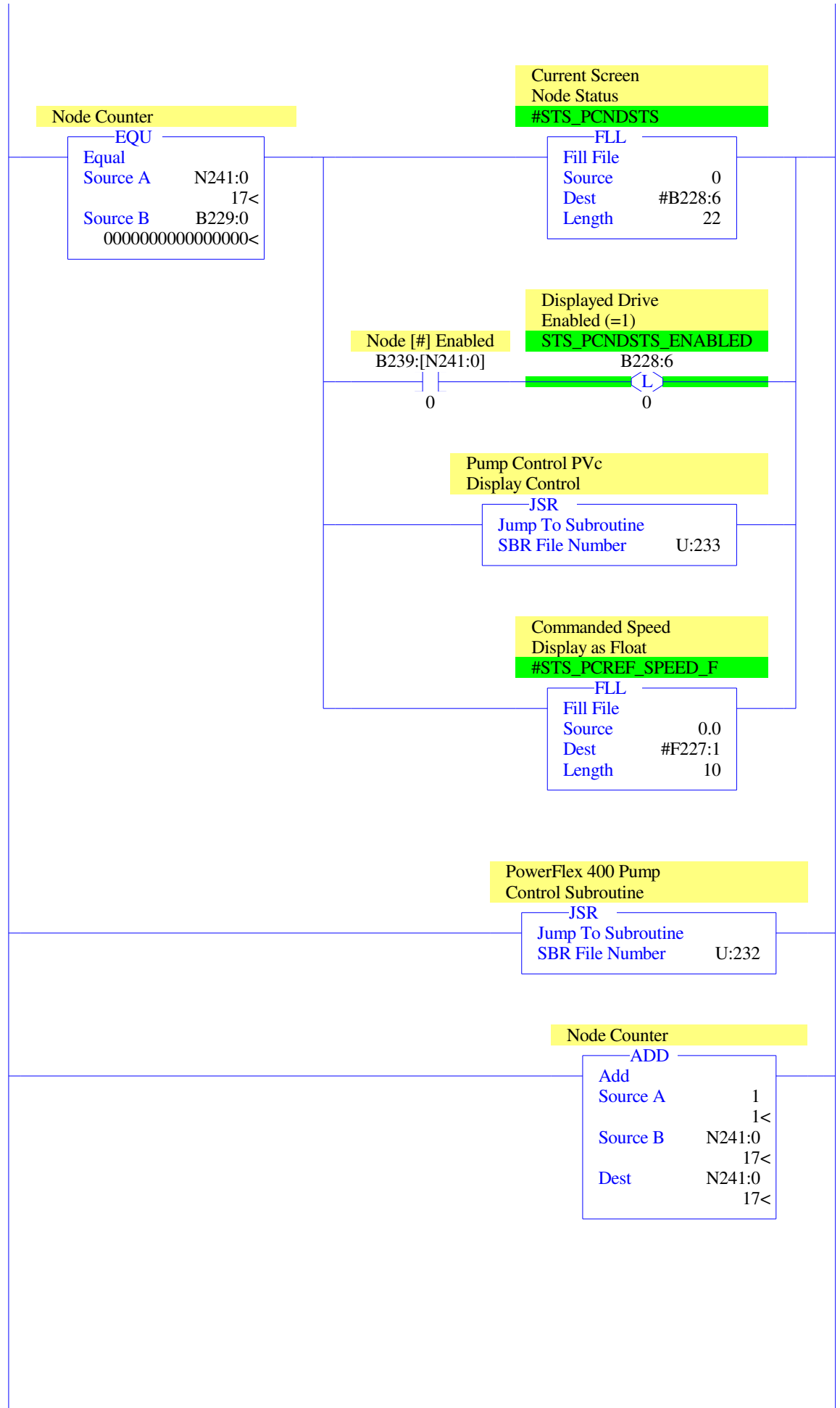
B228:[N230:71]

3

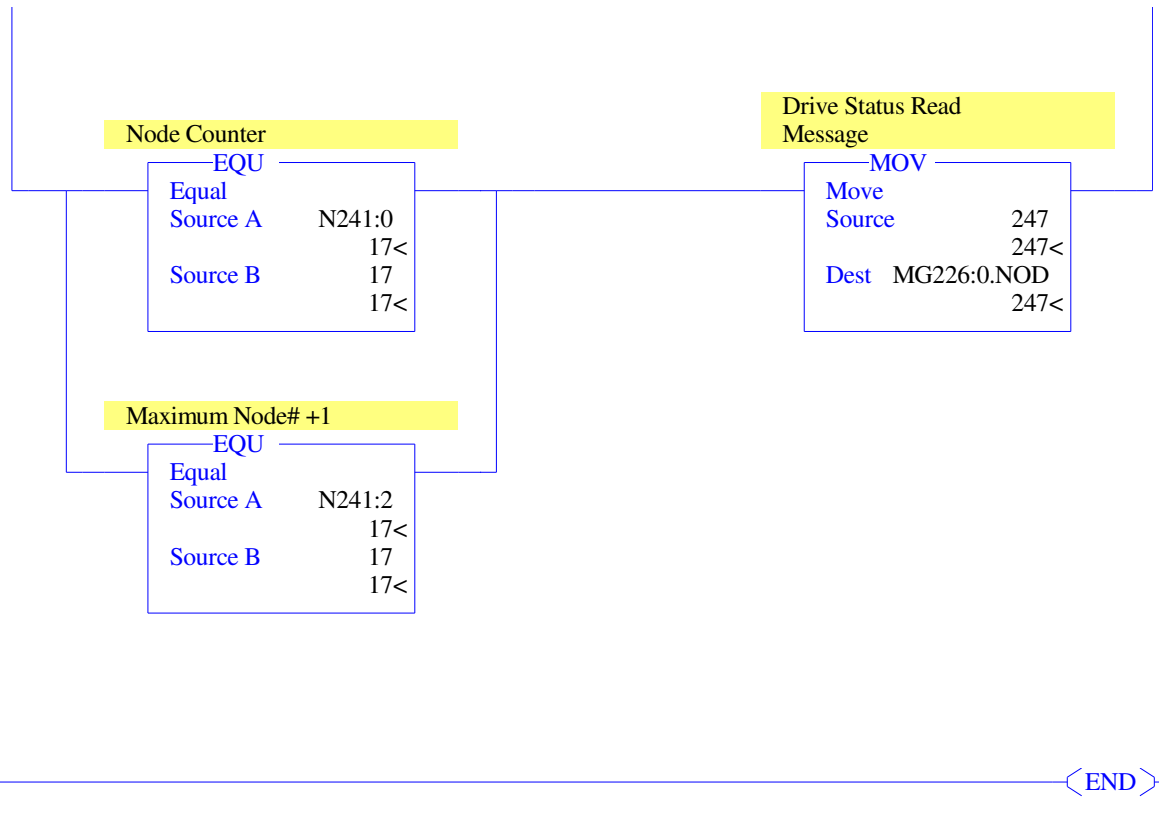






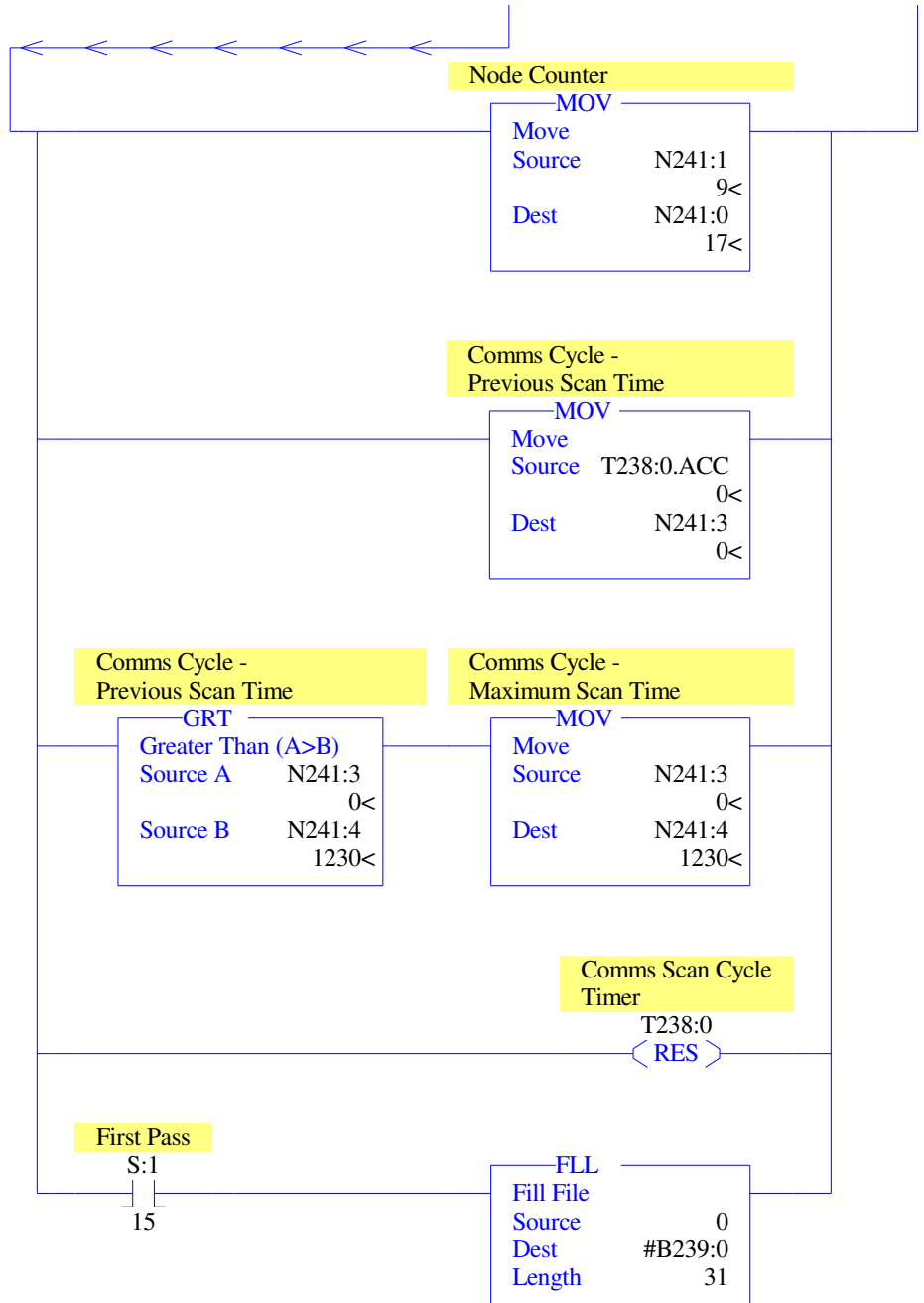


0011



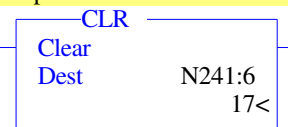
The other routines are also responsible for incrementing the node counter within their assigned range.



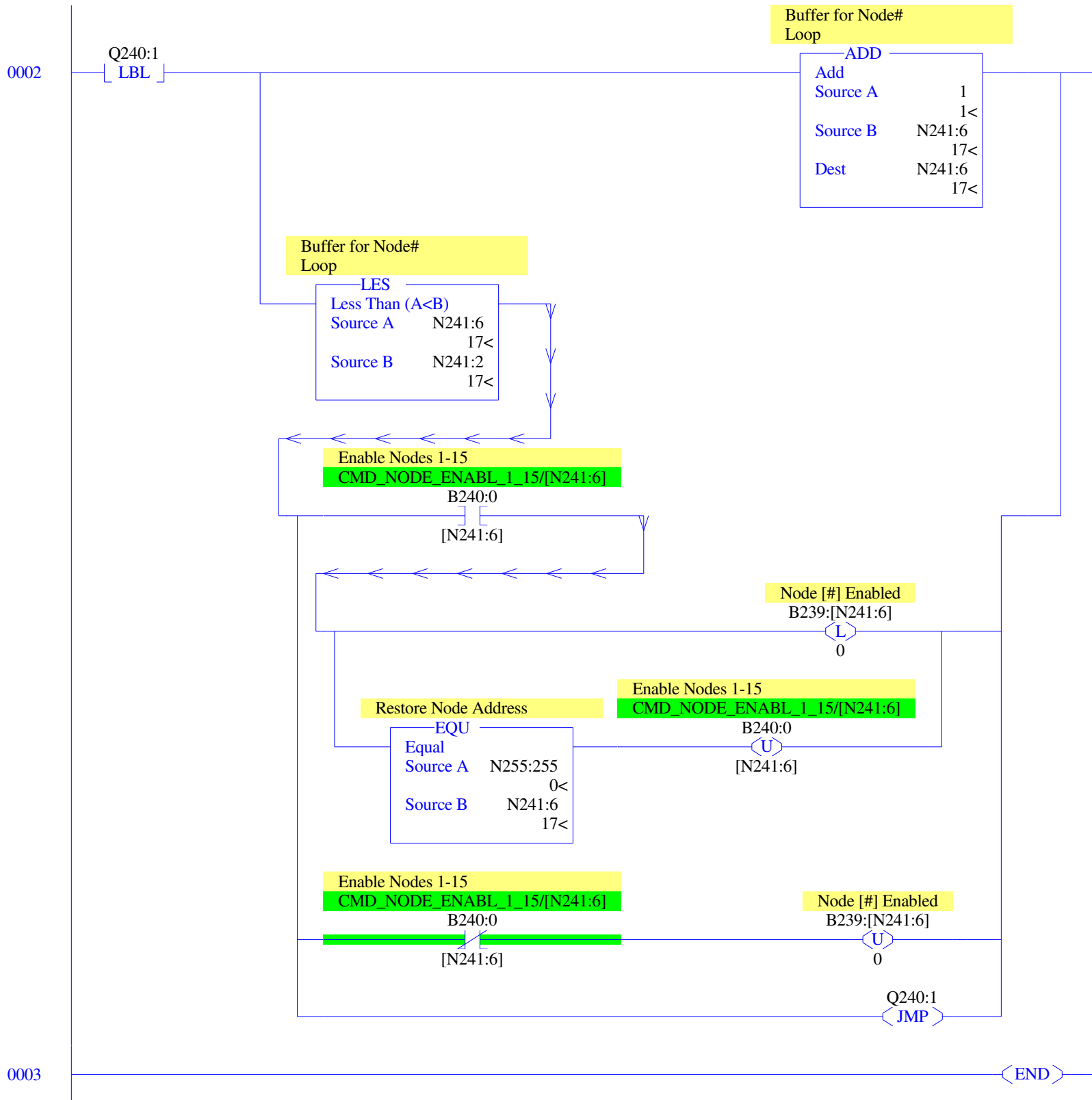


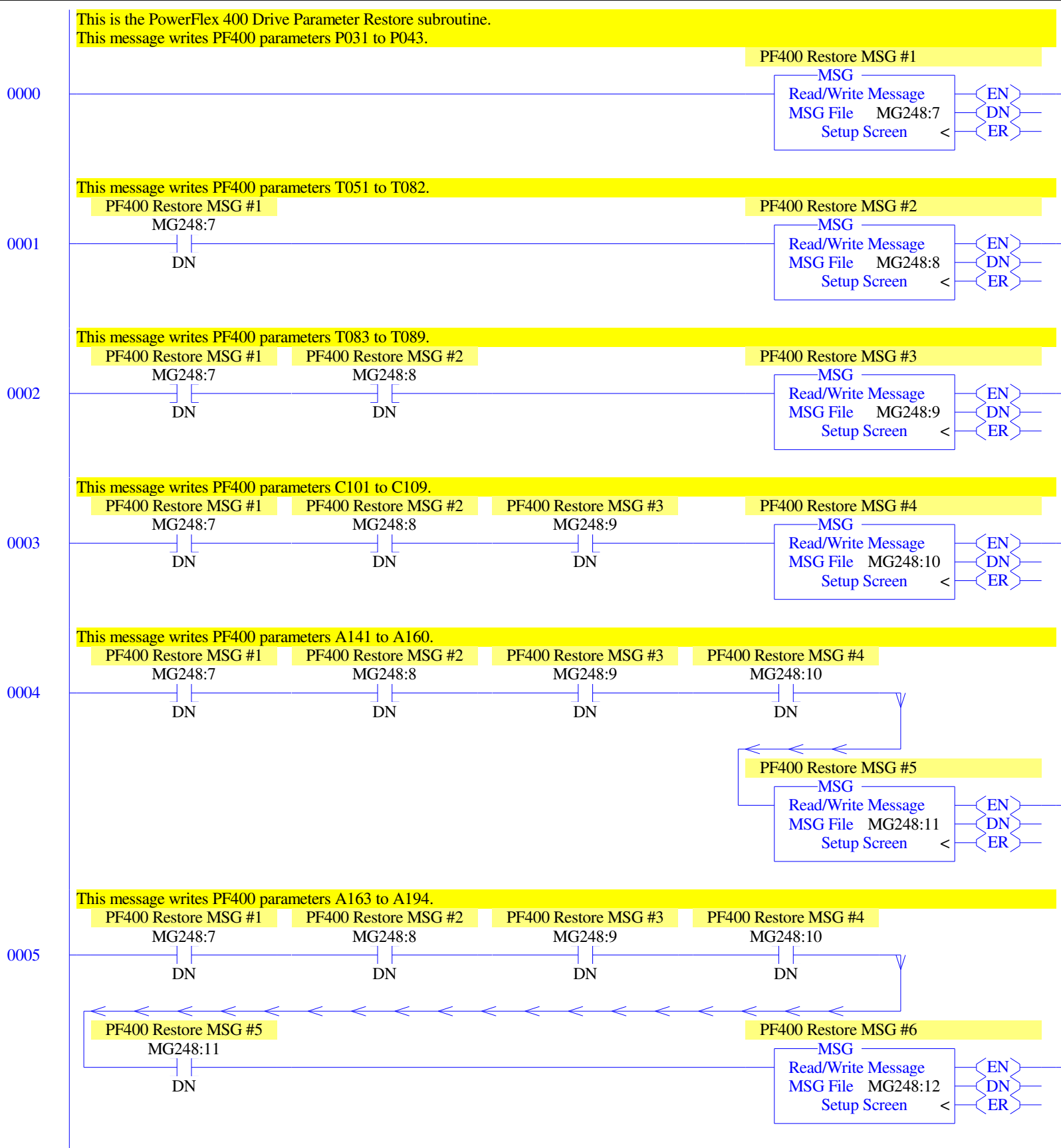
The next two rungs update the Node Enabled Status bits based on the state of the Node Enable Command bits.

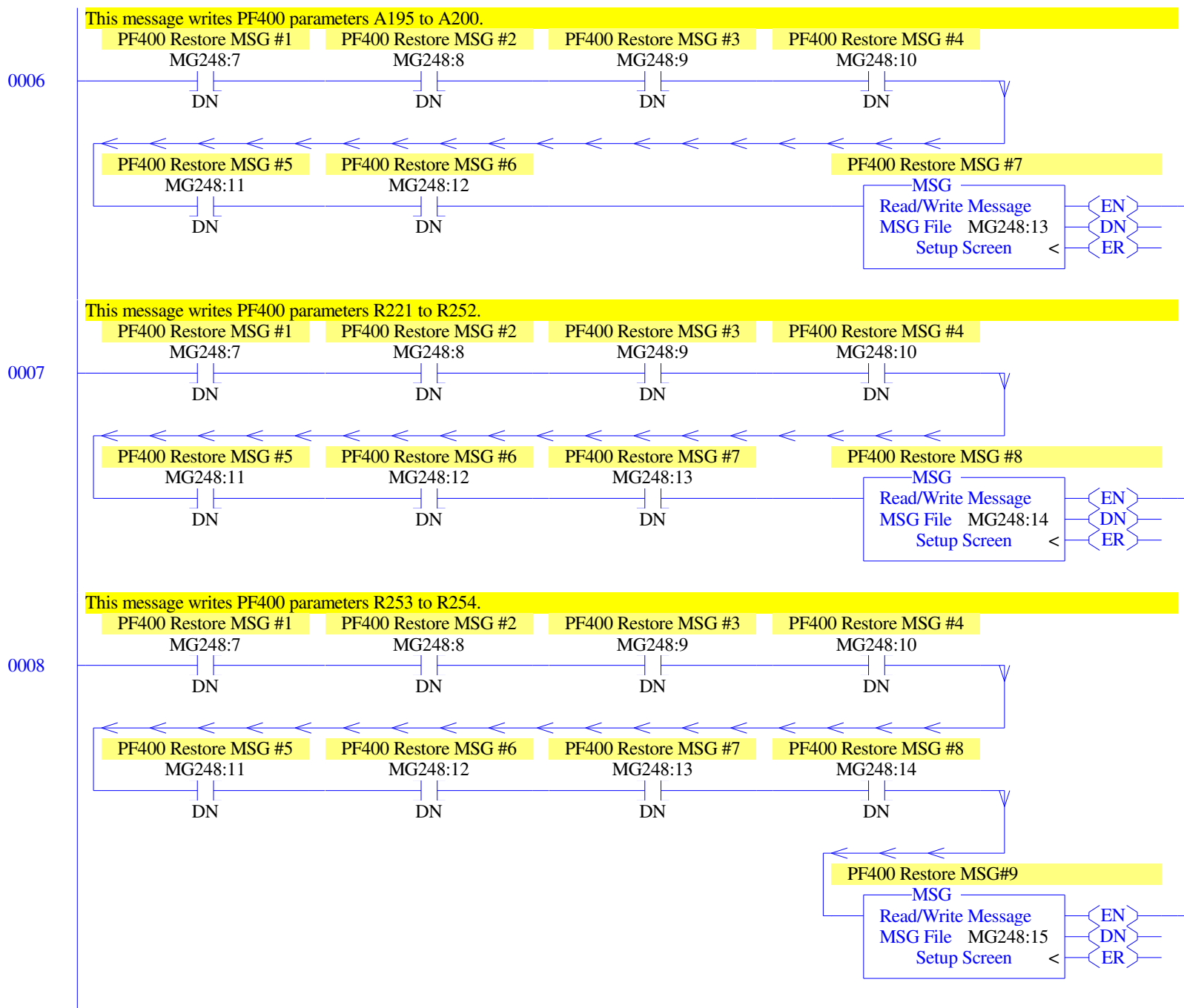
Buffer for Node#
Loop



0001

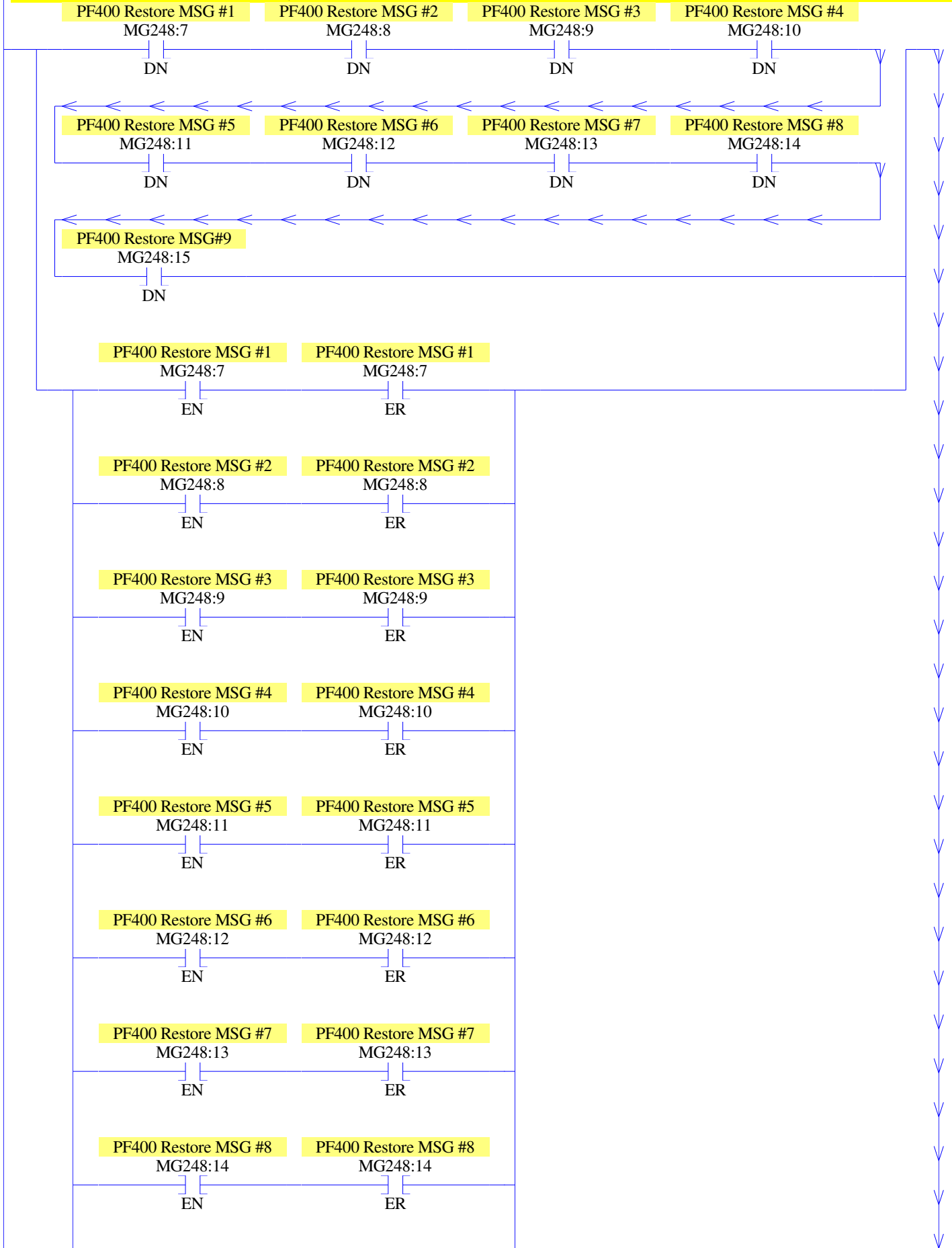


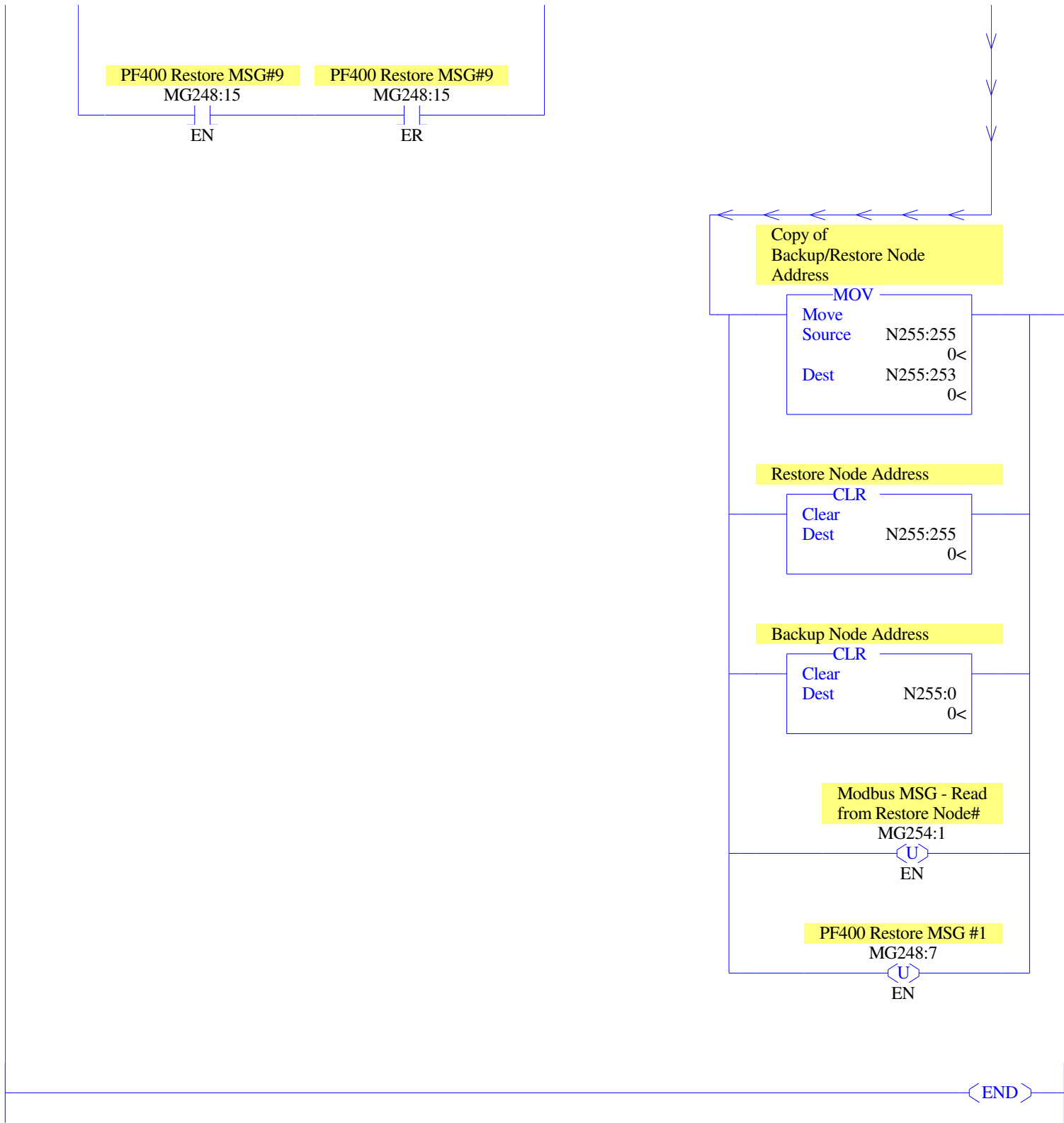




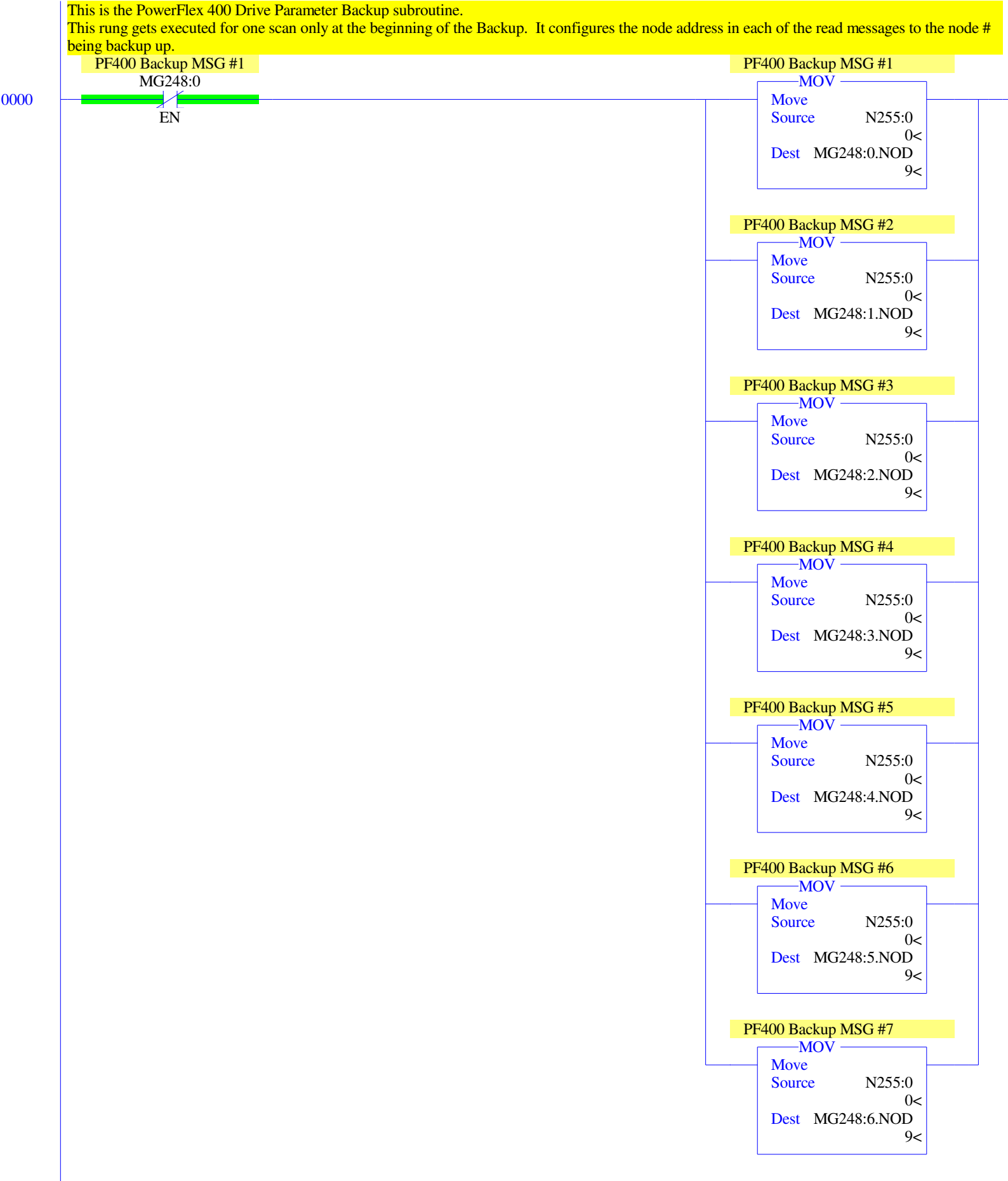
When either all of the write parameter messages are successful or when any of them fails, this rung copies the Restore node # into N255:253, so that it can be displayed as part of the LCD Backup successful or failed screen, clears both the Restore and Backup node addresses, and resets both the initial Restore MSG instruction enable bit, as well as the first PF400 Restore MSG instruction enable bit.

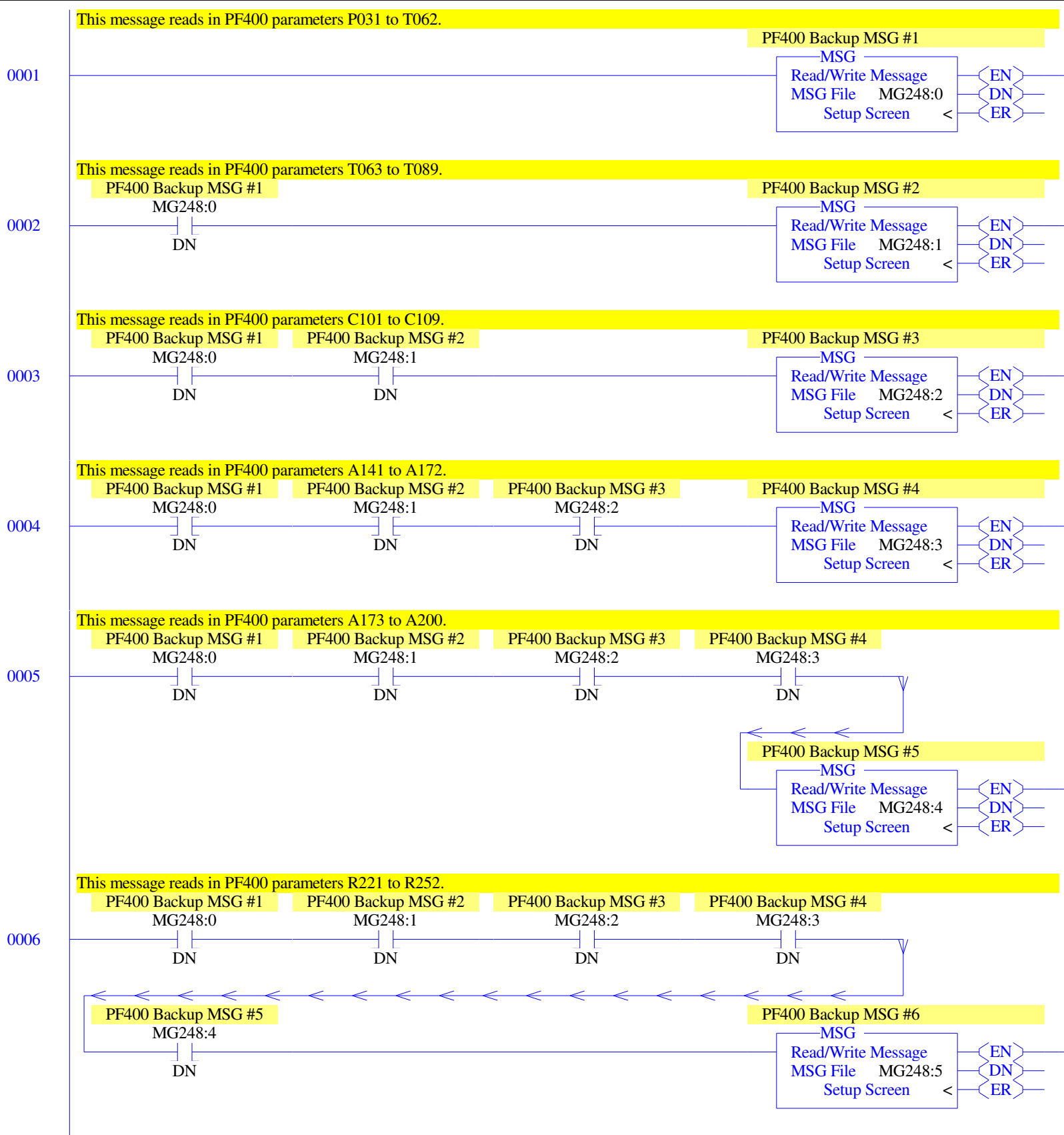
0009

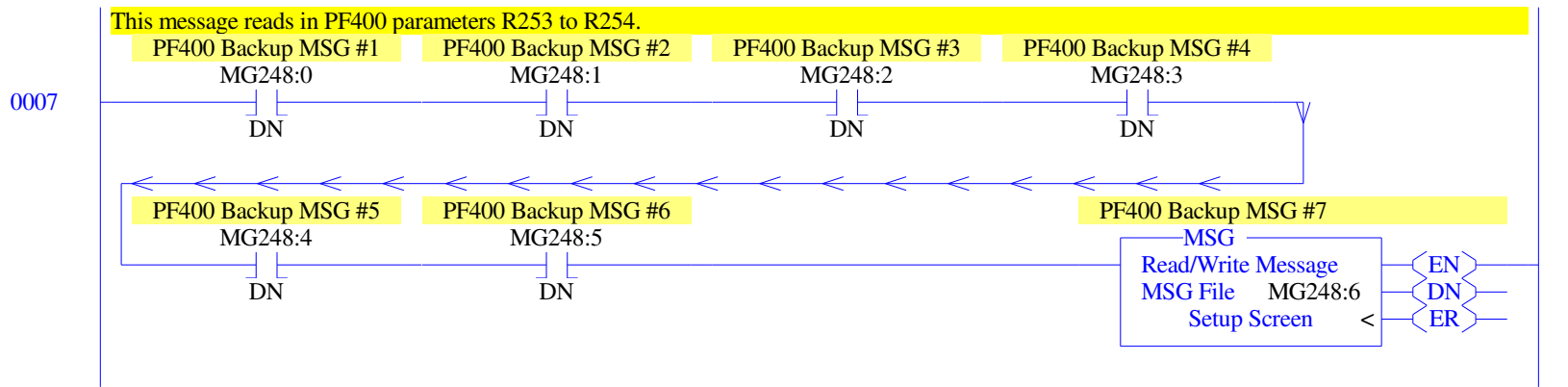




0010







If all of the parameter reads are successful, this rung stores the PF400 drive parameters into Recipe Number x, where x equals the Node # being backed up (stored in N255:0). Each Recipe File Number holds 32 words of Recipe Number x:

Recipe File Number 0: N255:0-31

Recipe File Number 1: N255:32-63

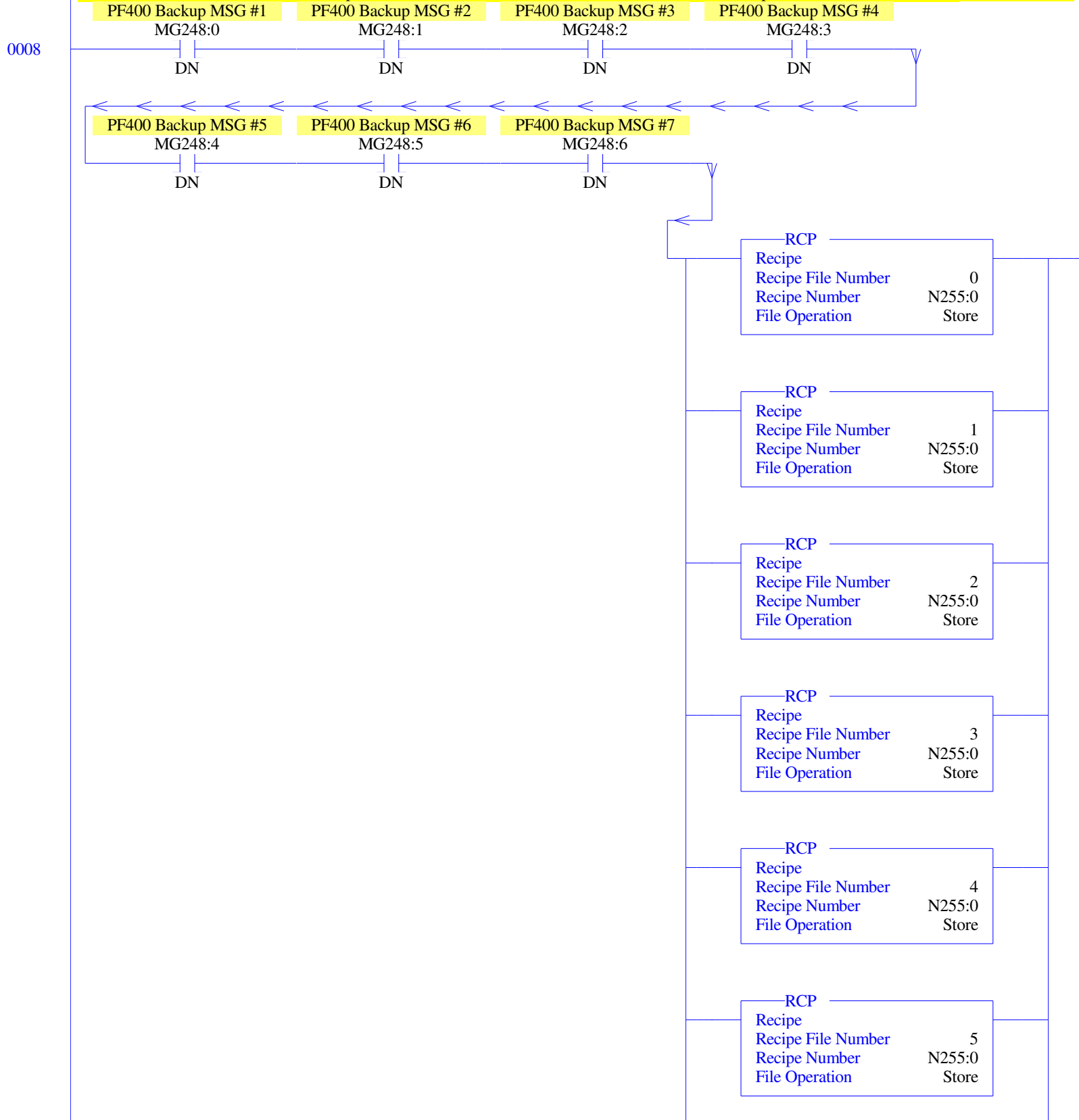
Recipe File Number 2: N255:64-95

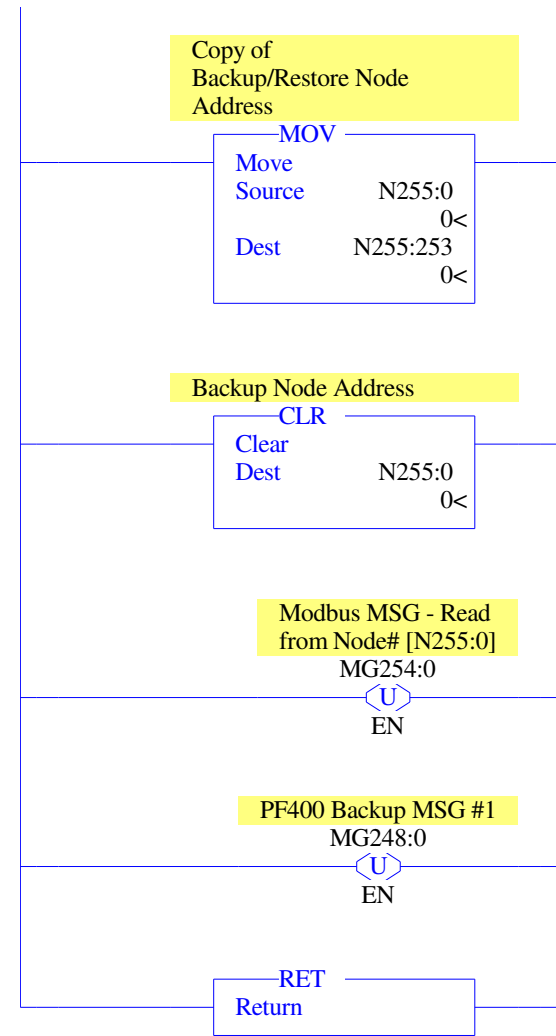
Recipe File Number 3: N255:96-127

Recipe File Number 4: N255:128-159

Recipe File Number 5: N255:160-191

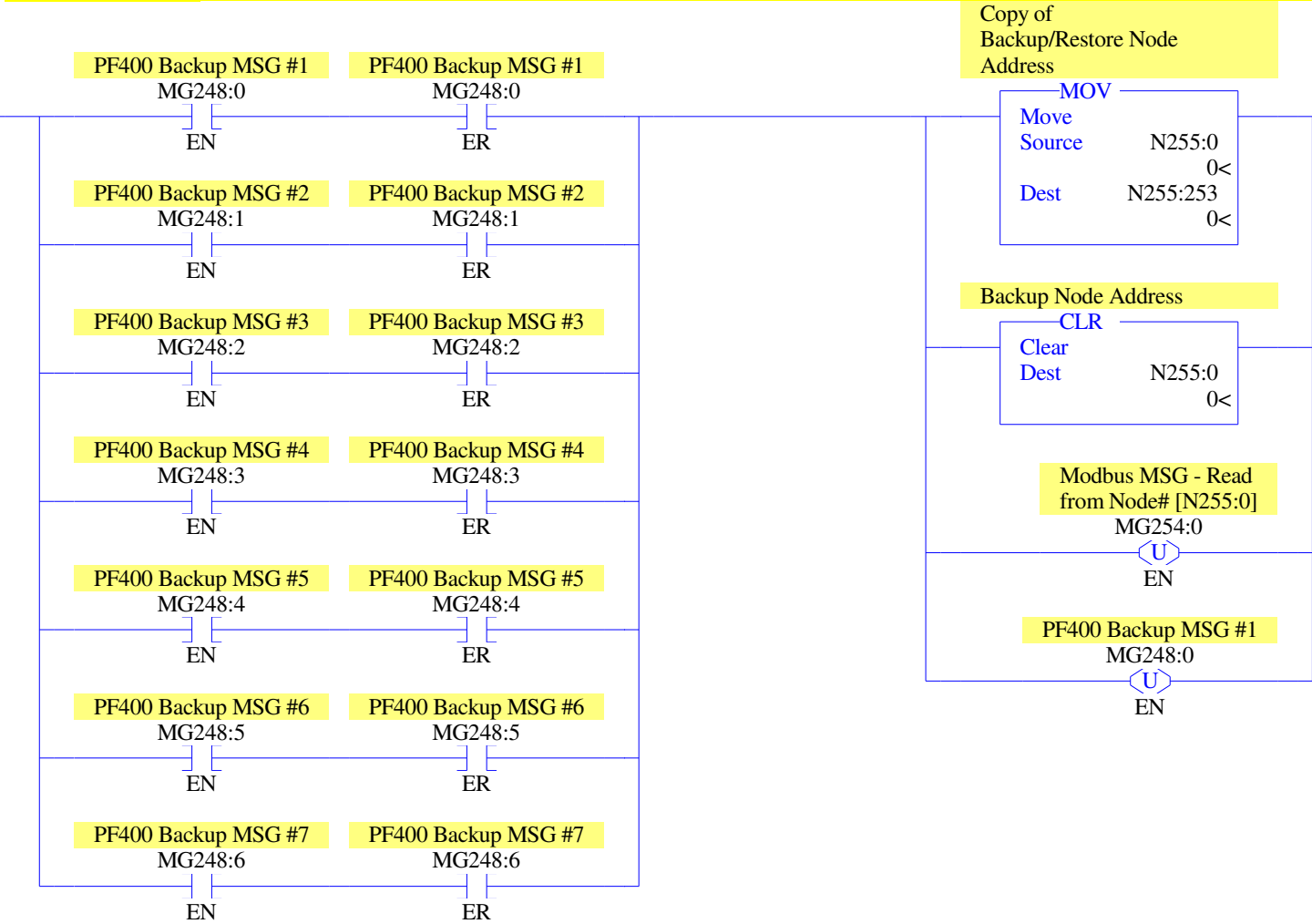
Then it copies the Backup node # into N255:253, so that it can be displayed as part of the LCD Backup successful screen, clears the Backup node address and resets both the initial Backup MSG instruction enable bit, as well as the first PF400 Backup MSG instruction enable bit.





0009

If any of the parameter reads fail, this rung copies the Backup node # into N255:253, so that it can be displayed as part of the LCD Backup error screen, clears the Backup node address and resets both the initial Backup MSG instruction enable bit, as well as the first PF400 Backup MSG instruction enable bit.

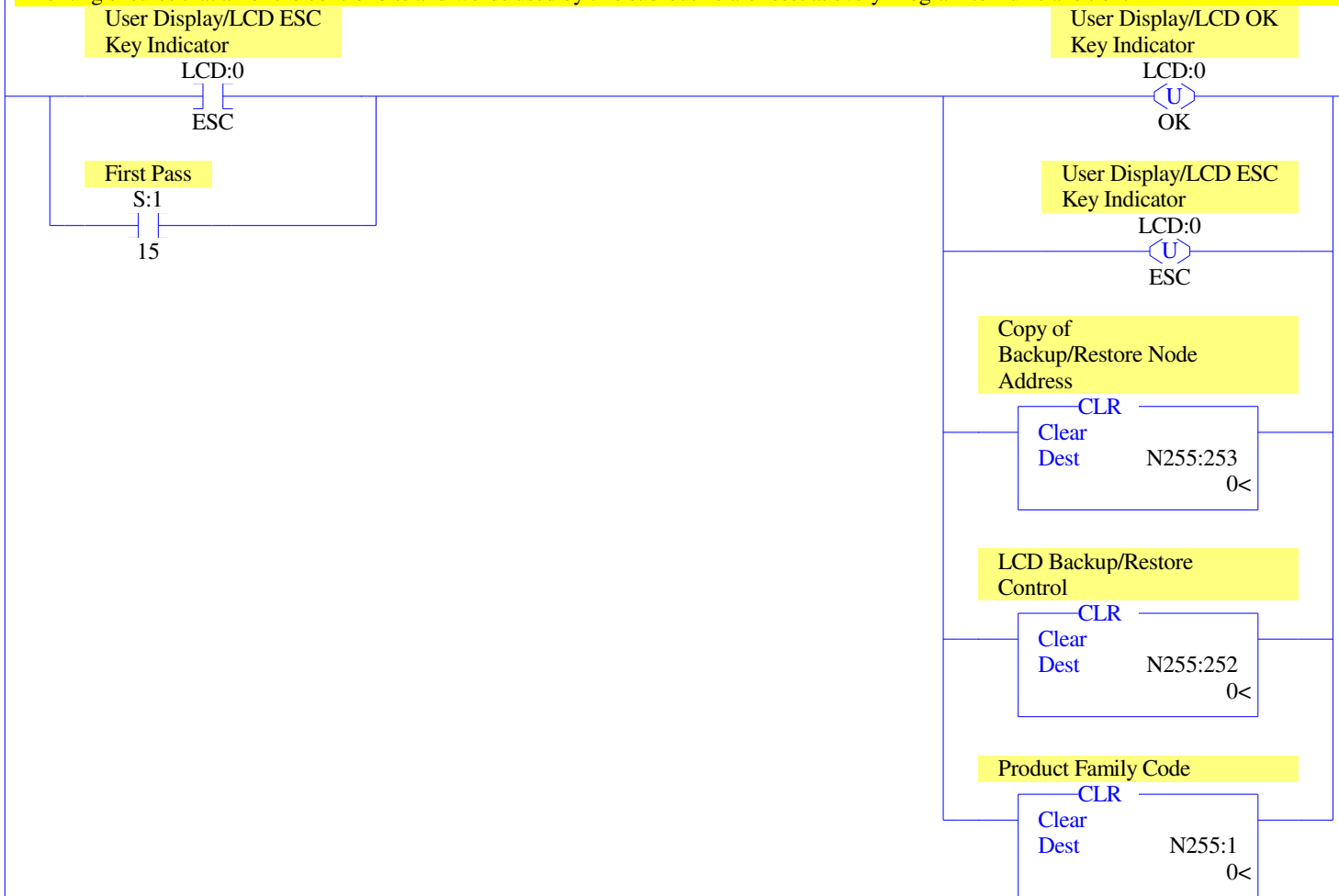


0010

END

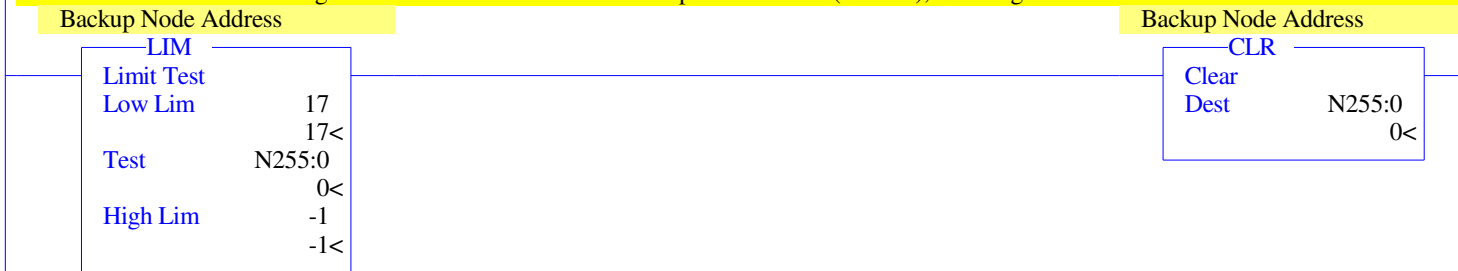
This is the User Display/LCD subroutine that supports initiating the PowerFlex 4-Class Drives Parameter Backup & Restore functionality using the ML1100 LCD and keypad. This subroutine assumes that no other subroutines are attempting to use the User Display/LCD - therefore, search and verify that no other LCD instructions are found in the existing ladder logic before copying this subroutine into your controller. This rung ensures that all of the control bits and words used by this subroutine are reset at every Program to Run transition.

0000



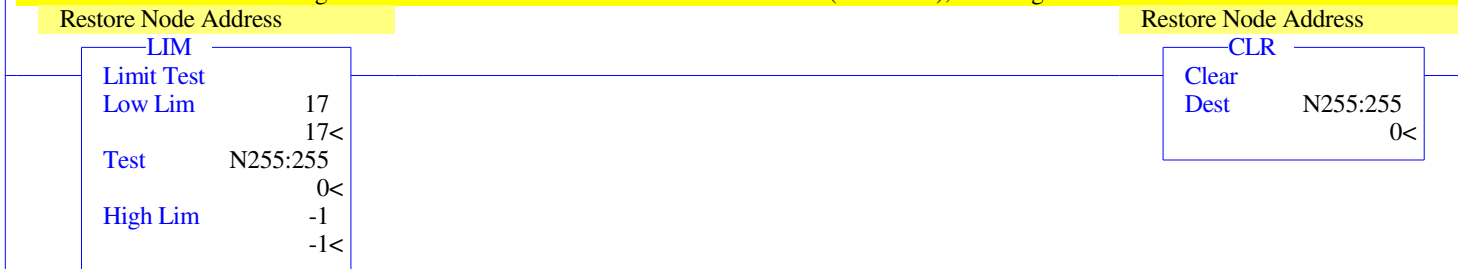
If a value outside the valid range of 0-16 is entered in for the backup node address (N255:0), this rung will clear N255:0.

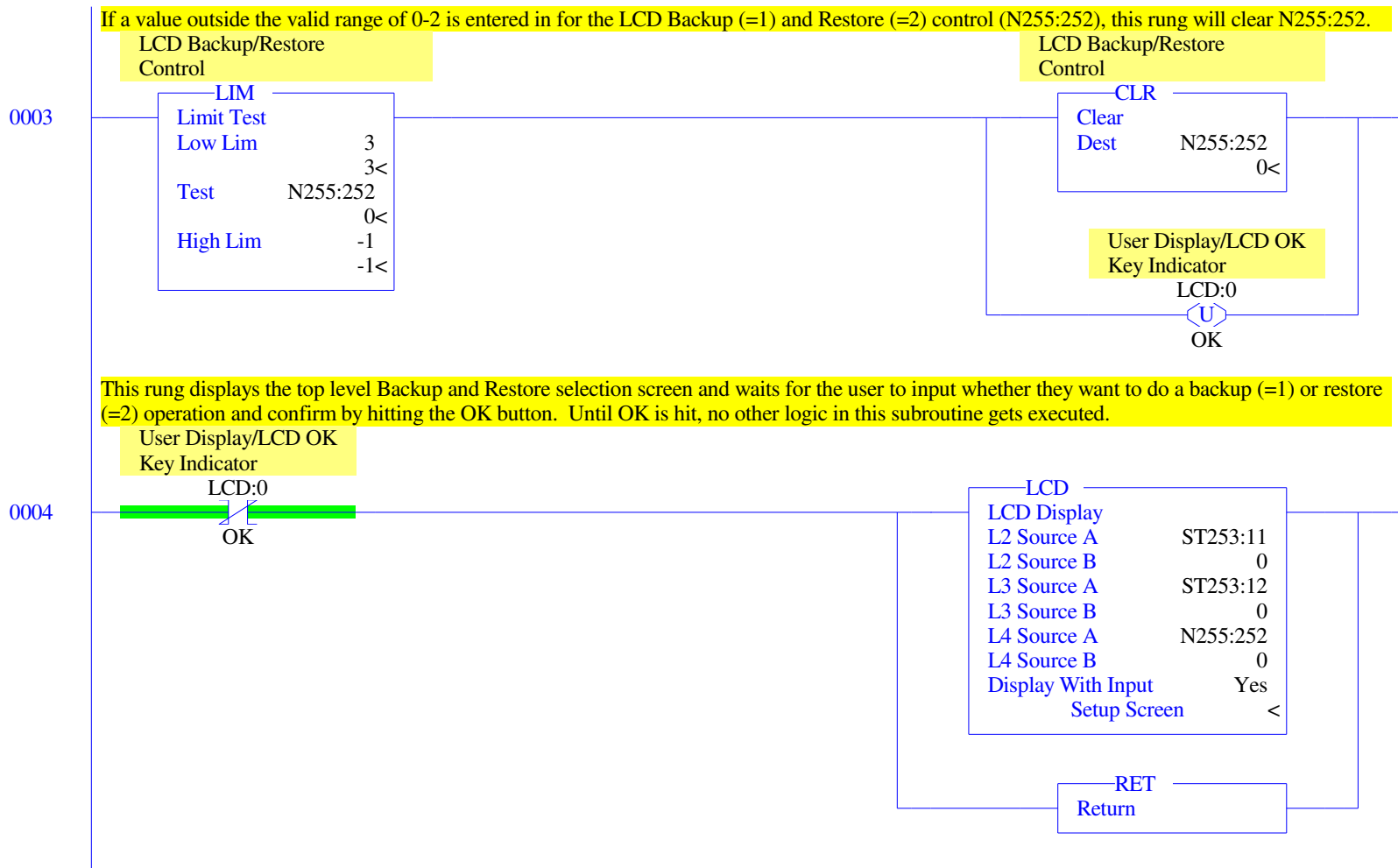
0001



If a value outside the valid range of 0-16 is entered in for the restore node address (N255:255), this rung will clear N255:255.

0002



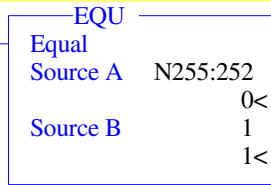


This rung displays one of three drive-independent Backup screens:

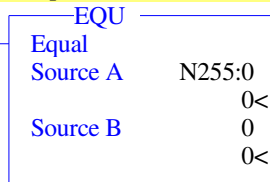
- 1) Backup node address selection screen.
- 2) Node #[N255:0] didn't respond error screen, where N255:0=1-16.
- 3) Node #[N255:0] responded with an unknown product family code error screen, where N255:0=1-16.

LCD Backup/Restore
Control

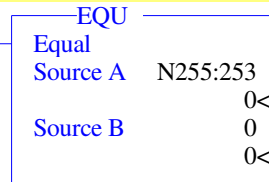
0005



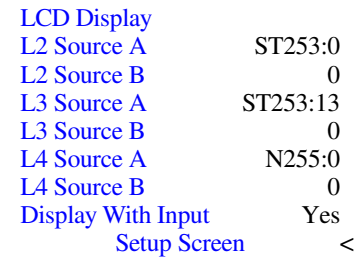
Backup Node Address



Copy of
Backup/Restore Node
Address



LCD



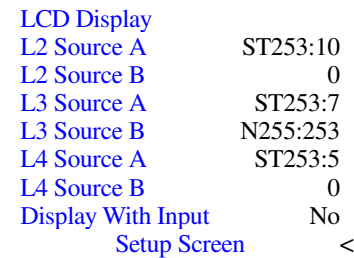
RET
Return

Modbus MSG - Read
from Node# [N255:0]

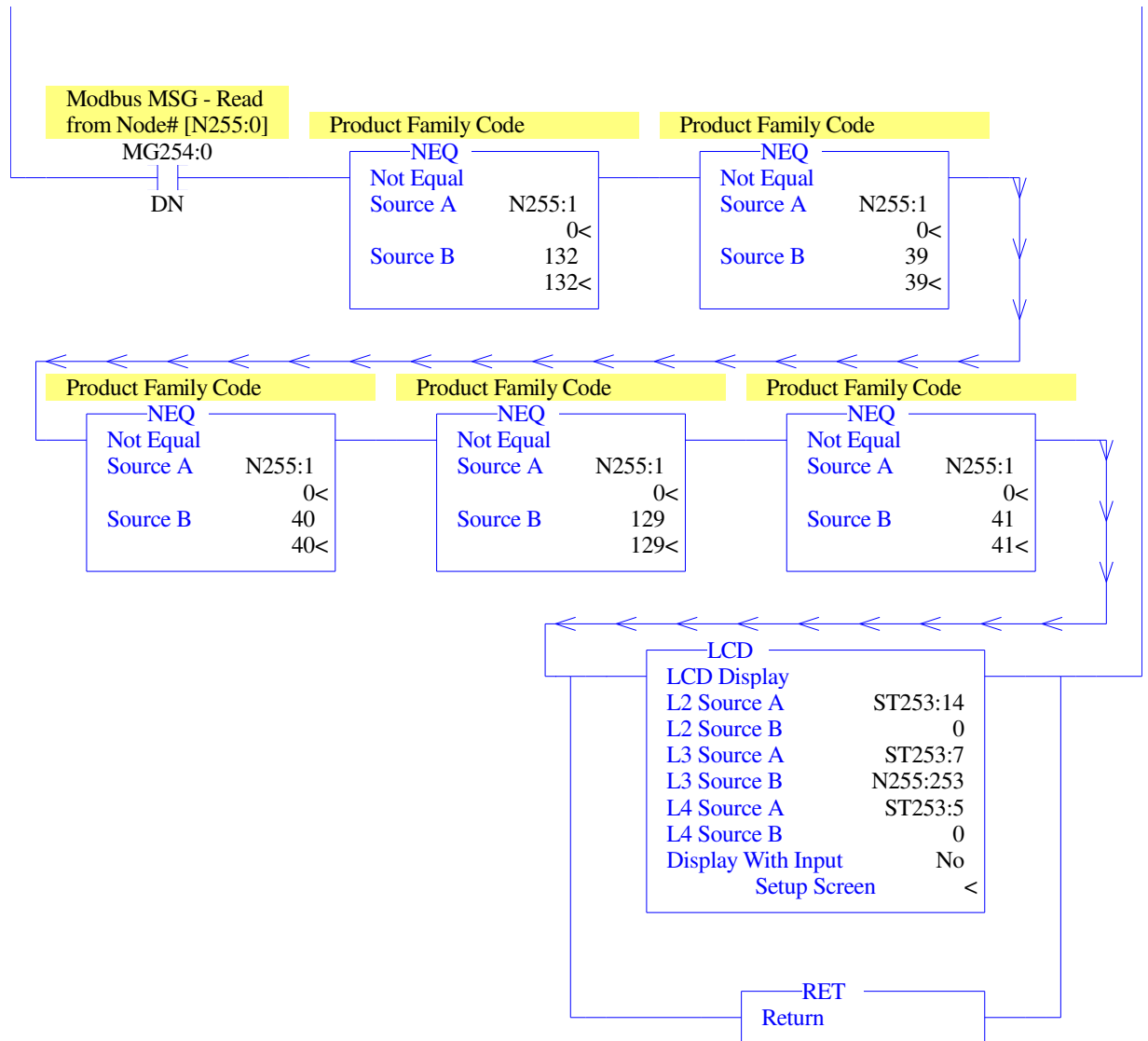
MG254:0

ER

LCD



RET
Return

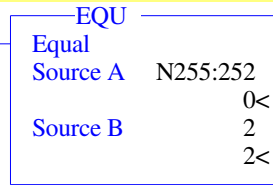


This rung displays one of three drive-independent Restore screens:

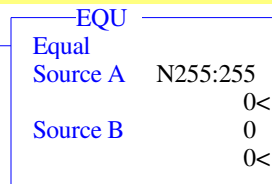
- 1) Restore node address selection screen.
- 2) Node #100 didn't respond error screen.
- 3) Node #100 responded with an unknown product code number error screen.

LCD Backup/Restore
Control

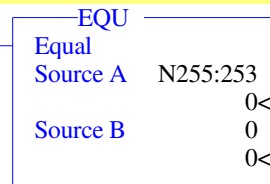
0006



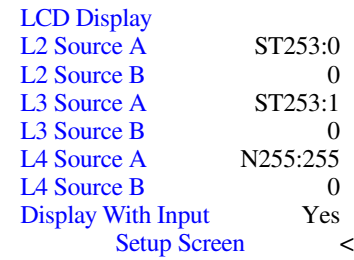
Restore Node Address



Copy of
Backup/Restore Node
Address



LCD



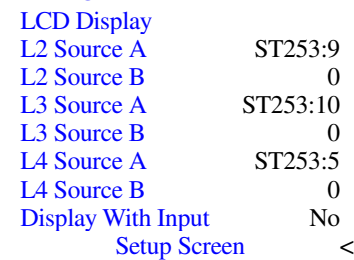
RET
Return

Modbus MSG - Read
from Restore Node#

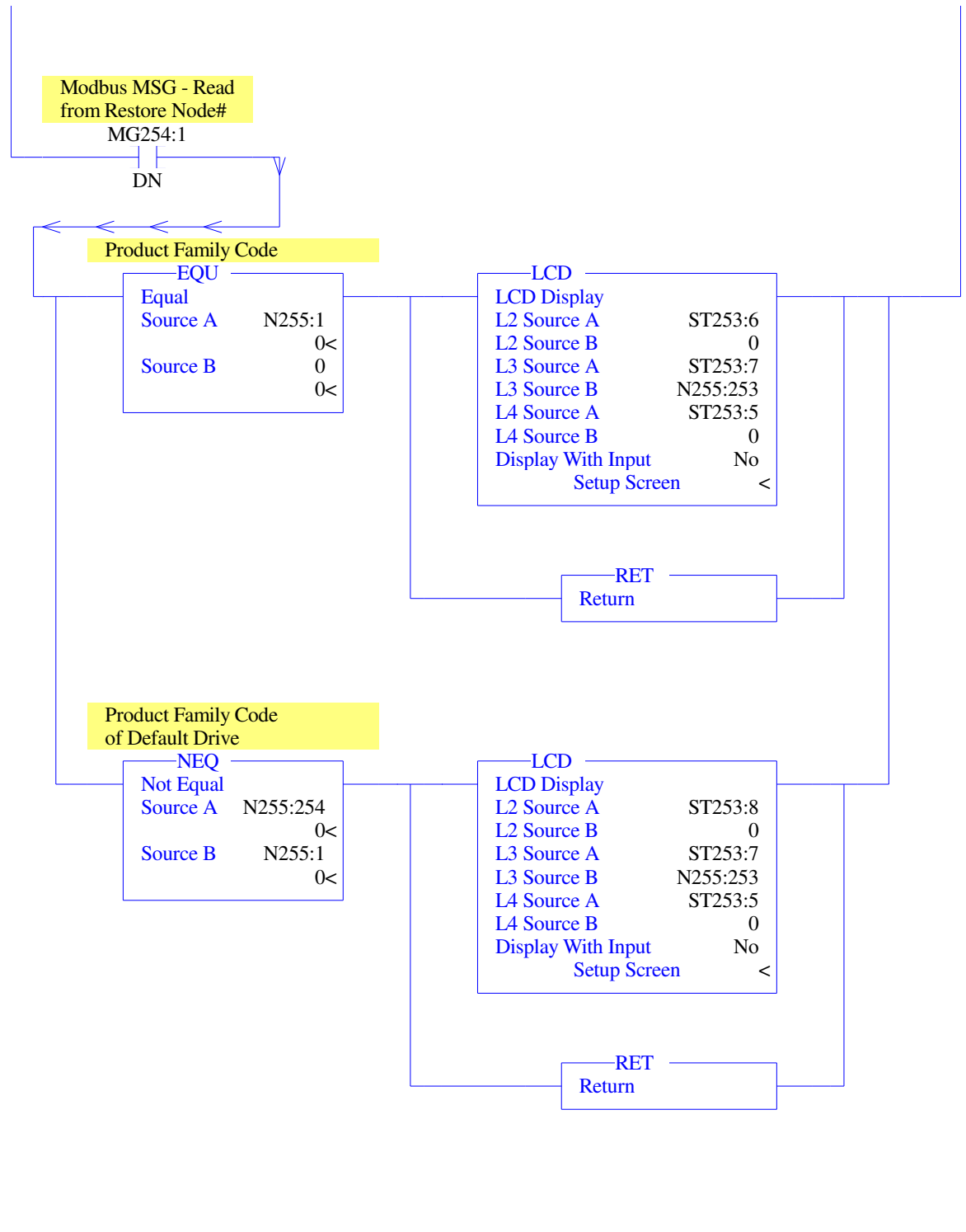
MG254:1

ER

LCD



RET
Return



This rung is specific to PowerFlex 400 drives and may be deleted if this drive type is not installed on the network. It displays the screens indicating whether the attempted backup or restore to a particular PF400 drive was successful or whether it failed.

0007

Product Family Code

EQU	
Equal	
Source A	N255:1
	0<
Source B	41
	41<

LCD Backup/Restore
Control

EQU	
Equal	
Source A	N255:252
	0<
Source B	1
	1<

Modbus MSG - Read
from Node# [N255:0]

MG254:0

DN

PF400 Backup MSG #1

MG248:0

DN

PF400 Backup MSG #2

MG248:1

DN

PF400 Backup MSG #3

MG248:2

DN

PF400 Backup MSG #4

MG248:3

DN

PF400 Backup MSG #5

MG248:4

DN

PF400 Backup MSG #6

MG248:5

DN

PF400 Backup MSG #7

MG248:6

DN

LCD

LCD Display	
L2 Source A	ST253:16
L2 Source B	0
L3 Source A	ST253:7
L3 Source B	N255:253
L4 Source A	ST253:5
L4 Source B	0
Display With Input	No
Setup Screen	<

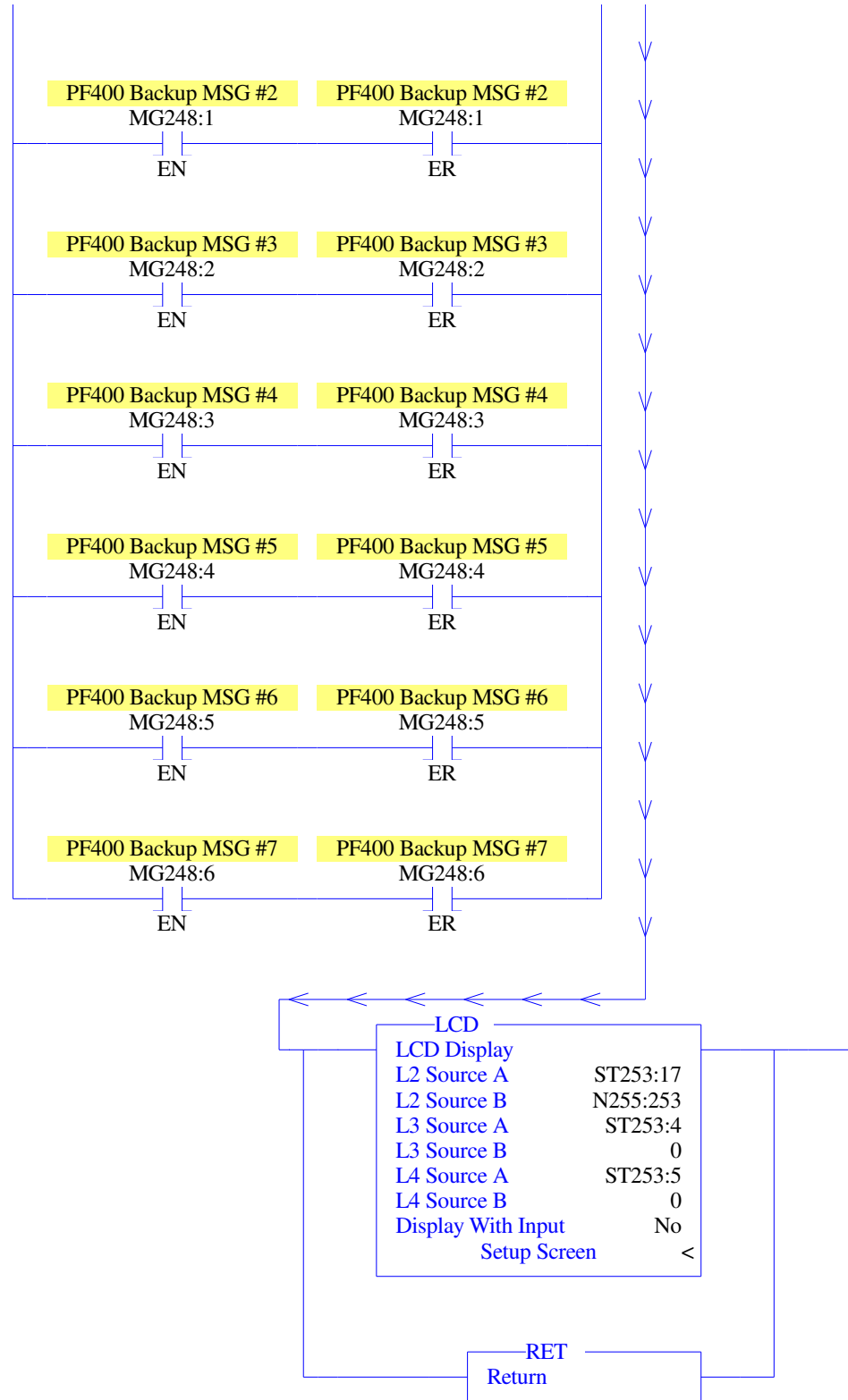
RET

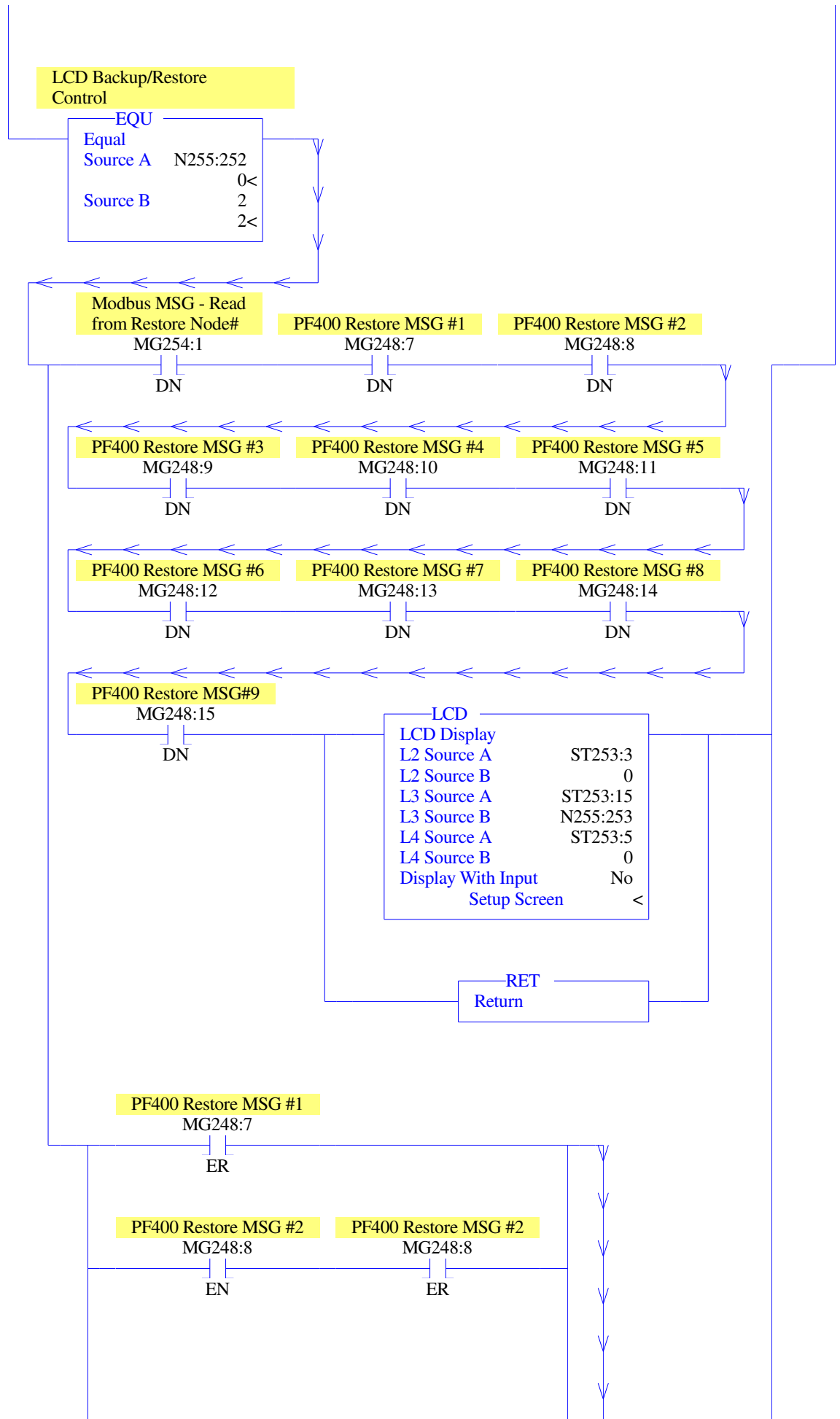
Return

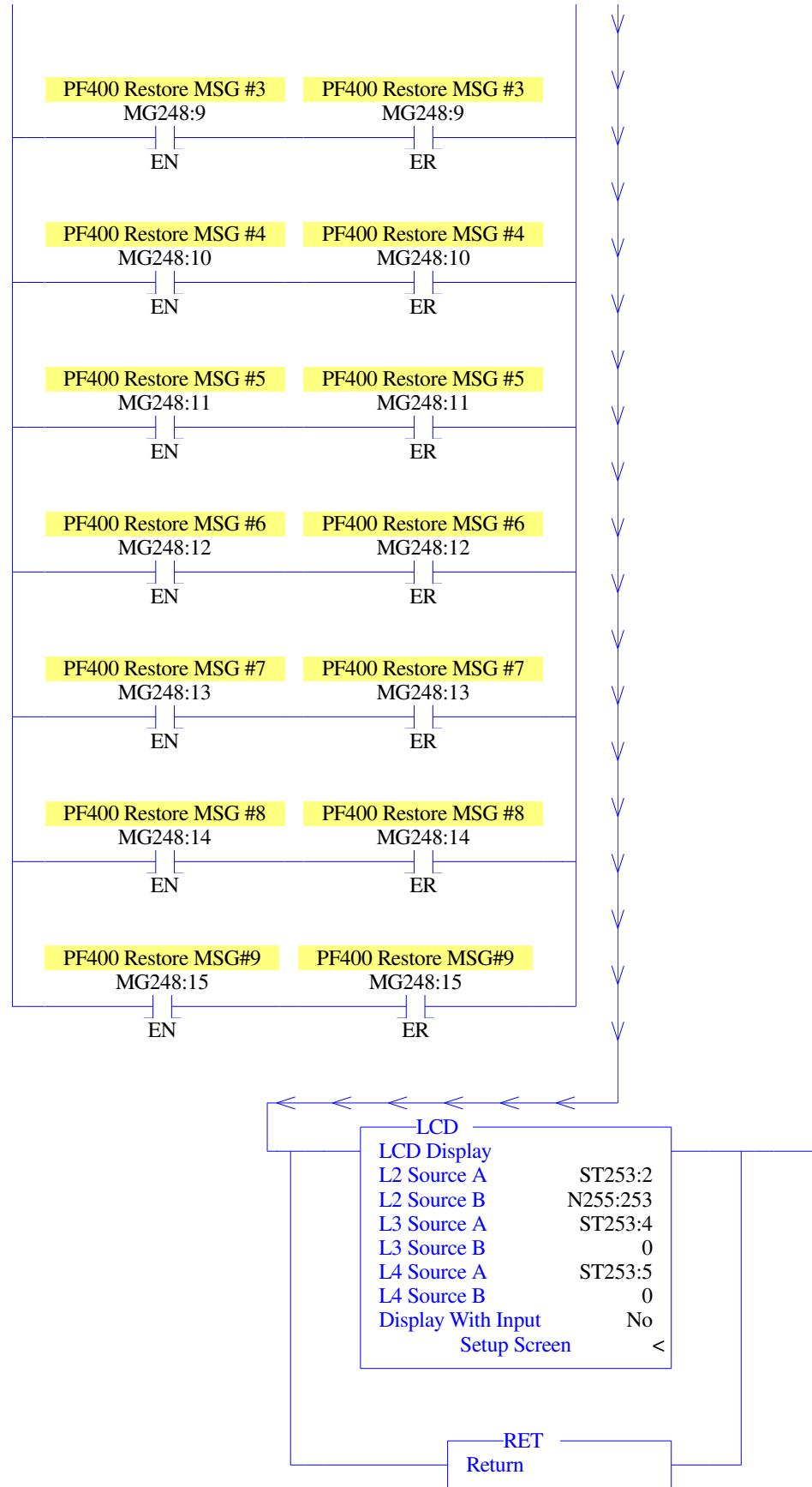
PF400 Backup MSG #1

MG248:0

ER







0008

◁END▷

This is the main Drive Parameter Restore subroutine.

This rung gets executed for one scan only at the beginning of a Restore operation. It clears out file N255 and loads in the Drive Parameter file stored as Recipe Number x, where x equals the Node # stored in N255:255. Each Recipe File Number holds 32 words of Recipe Number x:

Recipe File Number 0: N255:0-31

Recipe File Number 1: N255:32-63

Recipe File Number 2: N255:64-95

Recipe File Number 3: N255:96-127

Recipe File Number 4: N255:128-159

Recipe File Number 5: N255:160-191

Recipe File Number 6: N255:192-223

Modbus MSG - Read
from Restore Node#

MG254:1

EN

Backup Node Address

FLL

Fill File

Source

0

Dest

#N255:0

Length

128

FLL

Fill File

Source

0

Dest

#N255:128

Length

124

RCP

Recipe

Recipe File Number

0

Recipe Number

N255:255

File Operation

Load

RCP

Recipe

Recipe File Number

1

Recipe Number

N255:255

File Operation

Load

RCP

Recipe

Recipe File Number

2

Recipe Number

N255:255

File Operation

Load

RCP

Recipe

Recipe File Number

3

Recipe Number

N255:255

File Operation

Load

RCP

Recipe

Recipe File Number

4

Recipe Number

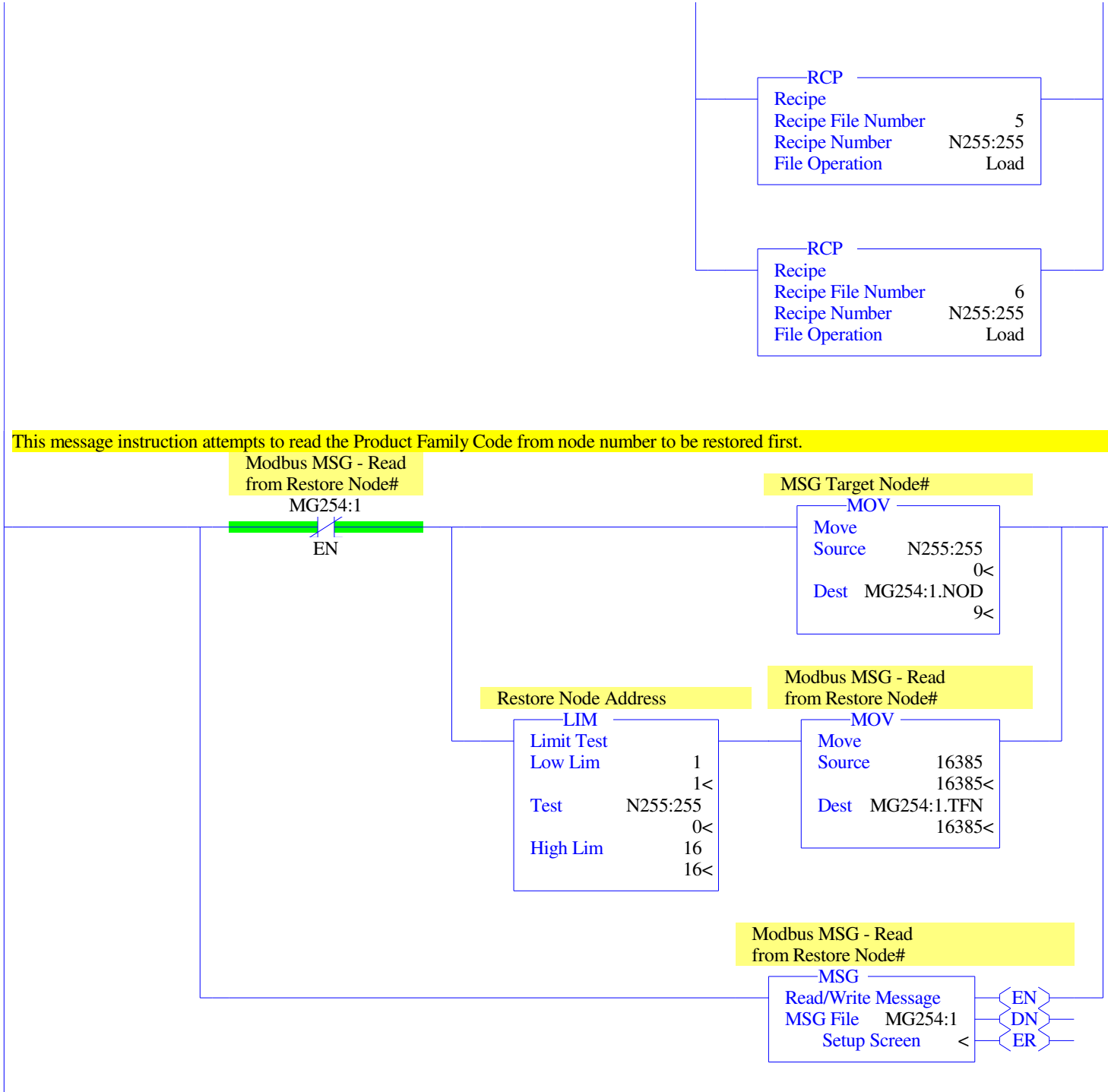
N255:255

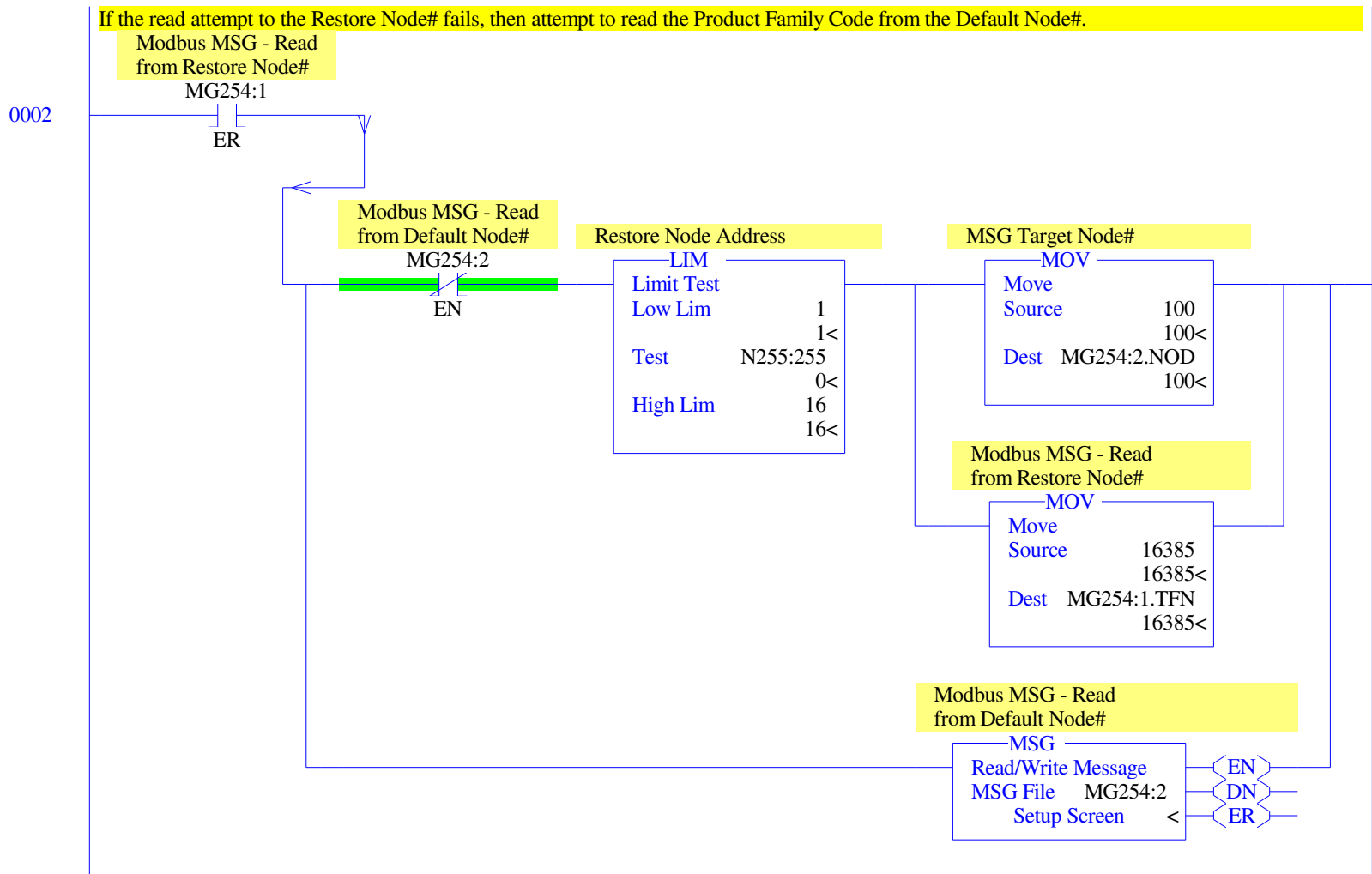
File Operation

Load

0000

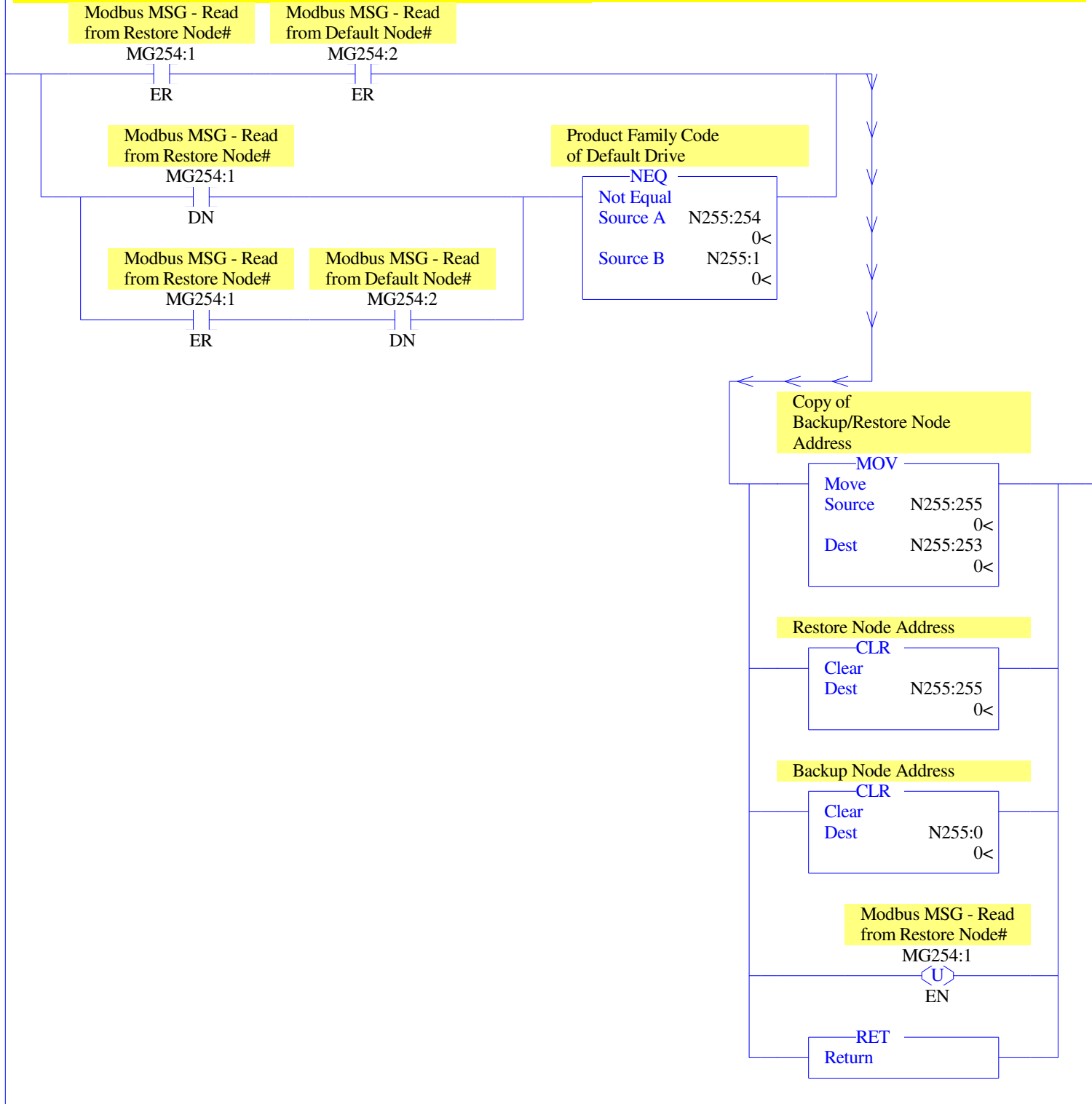
0001





If the initial read message fails, or if the Product Family Code successfully read from node #100 doesn't match the Product Family Code saved in the Recipe, this rung copies the Restore node # into N255:253, so that it can be displayed as part of the LCD Restore error screen, clears the Backup and Restore node addresses and resets the initial Restore MSG instruction enable bit.

0003



0004

If the Read from Restore Node# message succeeds, and the Product Family Code matches a PowerFlex 400 (41), then configure the Restore Node# in the MSG instructions and run the restore subroutine.

Modbus MSG - Read
from Restore Node#

MG254:1

DN

Product Family Code
of Default Drive

EQU
Equal
Source A N255:254
0<
Source B 41
41<

PF400 Restore MSG #1

MOV

Move
Source N255:255
0<
Dest MG248:7.NOD
100<

PF400 Restore MSG #2

MOV

Move
Source N255:255
0<
Dest MG248:8.NOD
100<

PF400 Restore MSG #3

MOV

Move
Source N255:255
0<
Dest MG248:9.NOD
100<

PF400 Restore MSG #4

MOV

Move
Source N255:255
0<
Dest MG248:10.NOD
100<

PF400 Restore MSG #5

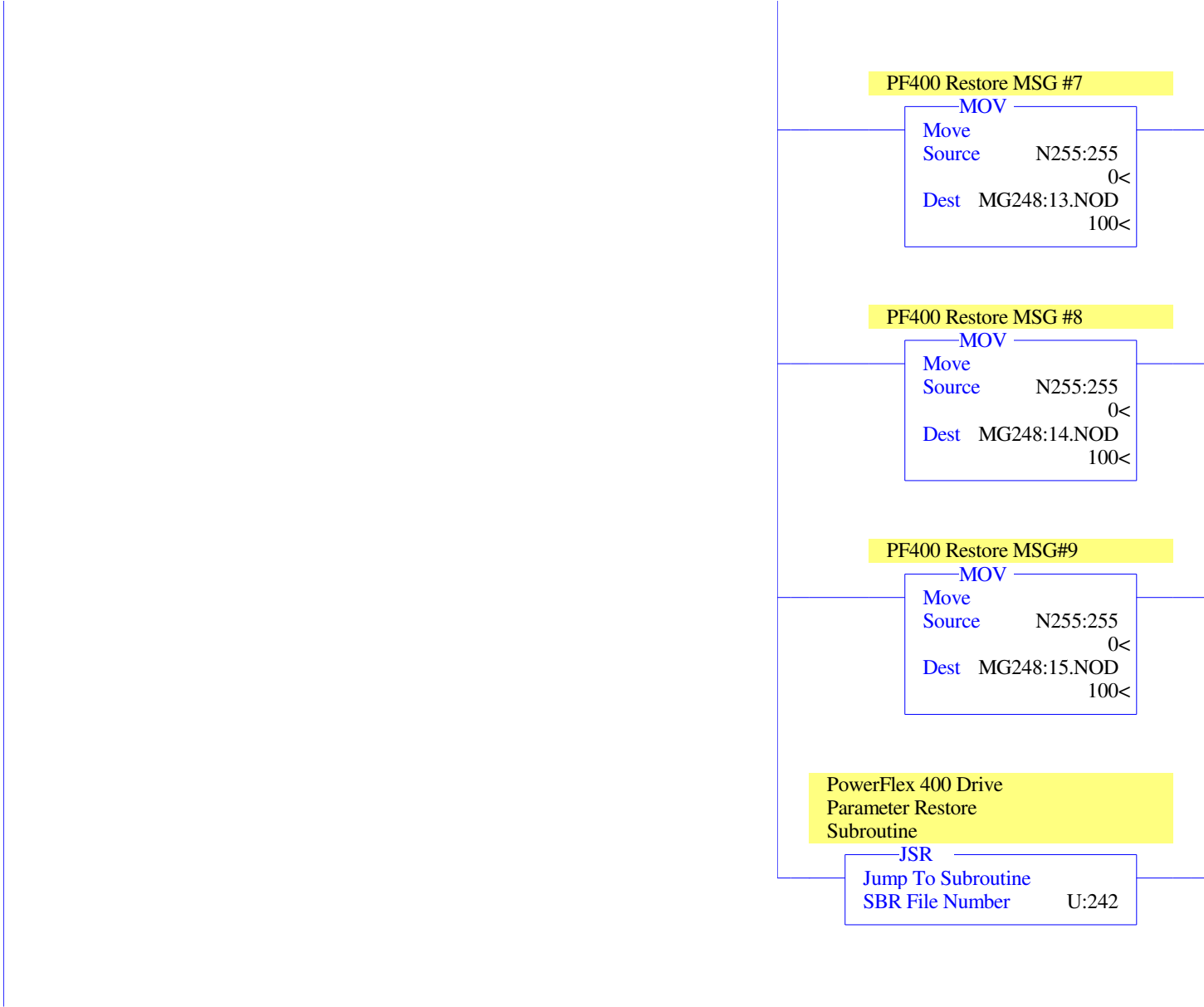
MOV

Move
Source N255:255
0<
Dest MG248:11.NOD
100<

PF400 Restore MSG #6

MOV

Move
Source N255:255
0<
Dest MG248:12.NOD
100<



0005

If the Read from Restore Node# message fails but the Read from Default Node# message succeeds, and the Product Family Code matches a PowerFlex 400 (41), then configure the Default Node# of 100 in the MSG instructions and run the restore subroutine.

Modbus MSG - Read
from Restore Node#
MG254:1

ER

Modbus MSG - Read
from Default Node#
MG254:2

DN

Product Family Code
of Default Drive

EQU

Equal
Source A N255:254
0<
Source B 41
41<

PF400 Restore MSG #1

MOV

Move
Source 100
100<
Dest MG248:7.NOD
100<

PF400 Restore MSG #2

MOV

Move
Source 100
100<
Dest MG248:8.NOD
100<

PF400 Restore MSG #3

MOV

Move
Source 100
100<
Dest MG248:9.NOD
100<

PF400 Restore MSG #4

MOV

Move
Source 100
100<
Dest MG248:10.NOD
100<

PF400 Restore MSG #5

MOV

Move
Source 100
100<
Dest MG248:11.NOD
100<

PF400 Restore MSG #6

MOV

Move
Source 100
100<
Dest MG248:12.NOD
100<

PF400 Restore MSG #7

MOV

Move
Source 100
100<
Dest MG248:13.NOD
100<

PF400 Restore MSG #8

MOV

Move
Source 100
100<
Dest MG248:14.NOD
100<

PF400 Restore MSG#9

MOV

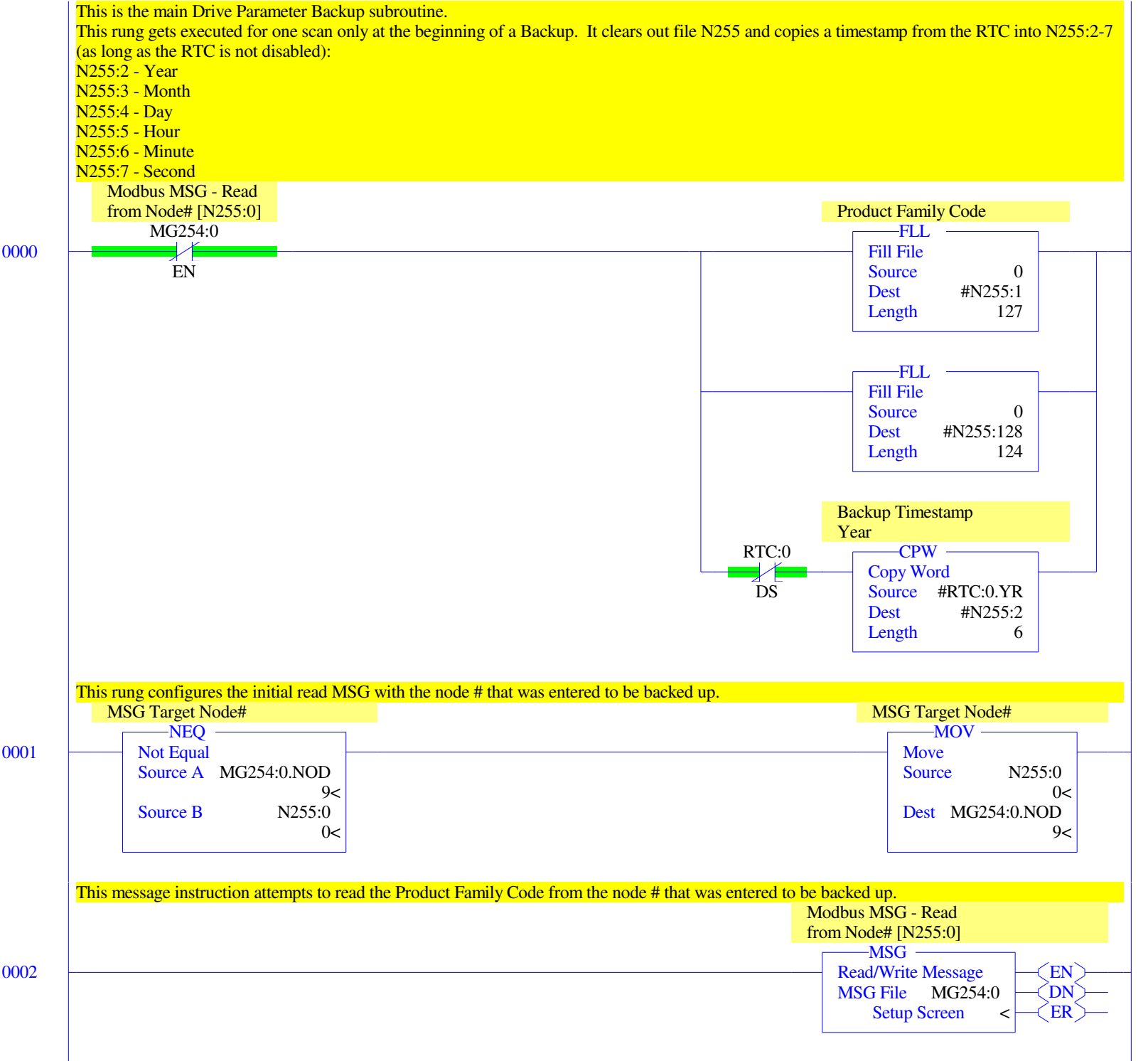
Move
Source 100
100<
Dest MG248:15.NOD
100<

PowerFlex 400 Drive
Parameter Restore
Subroutine

JSR

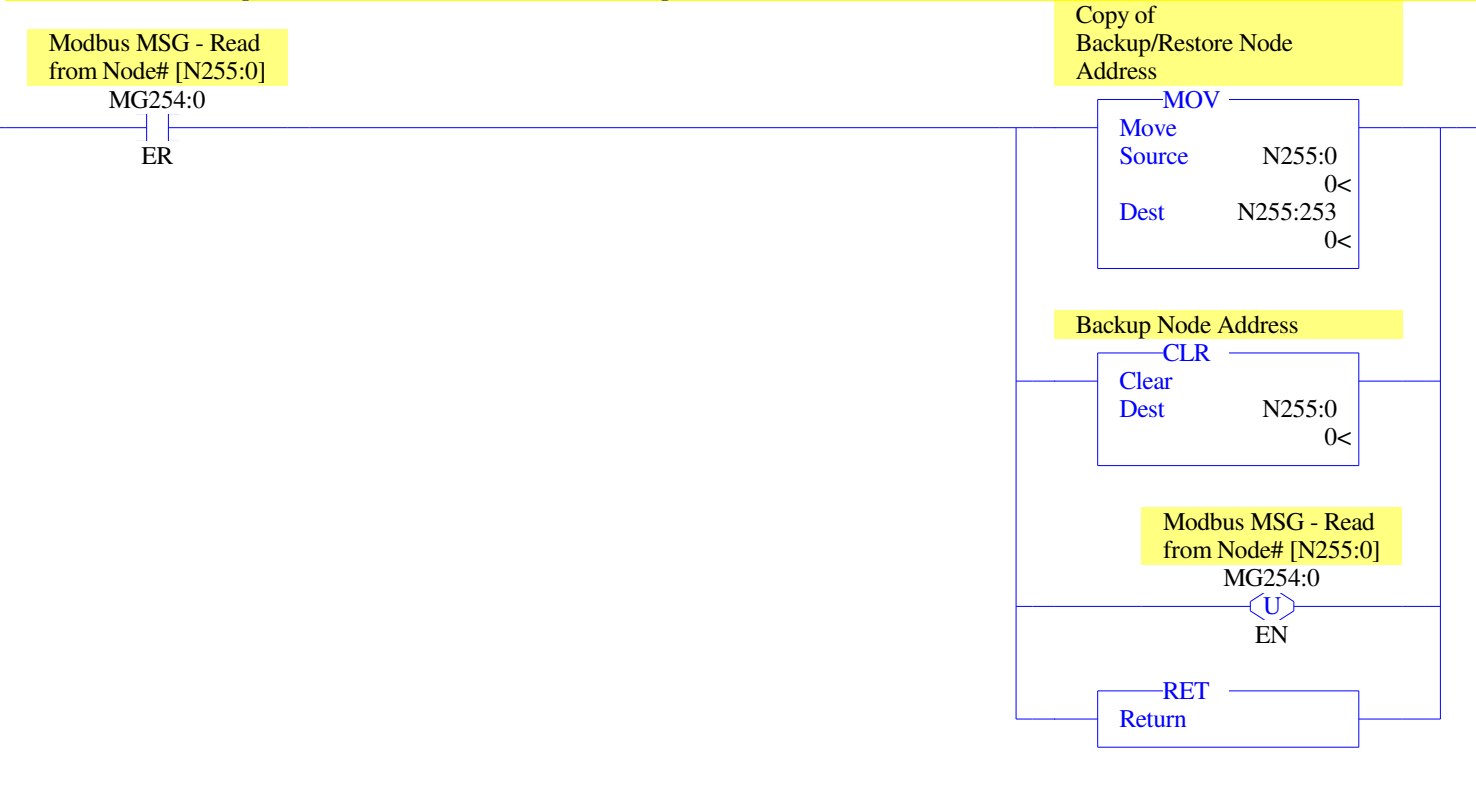
Jump To Subroutine
SBR File Number U:242

END



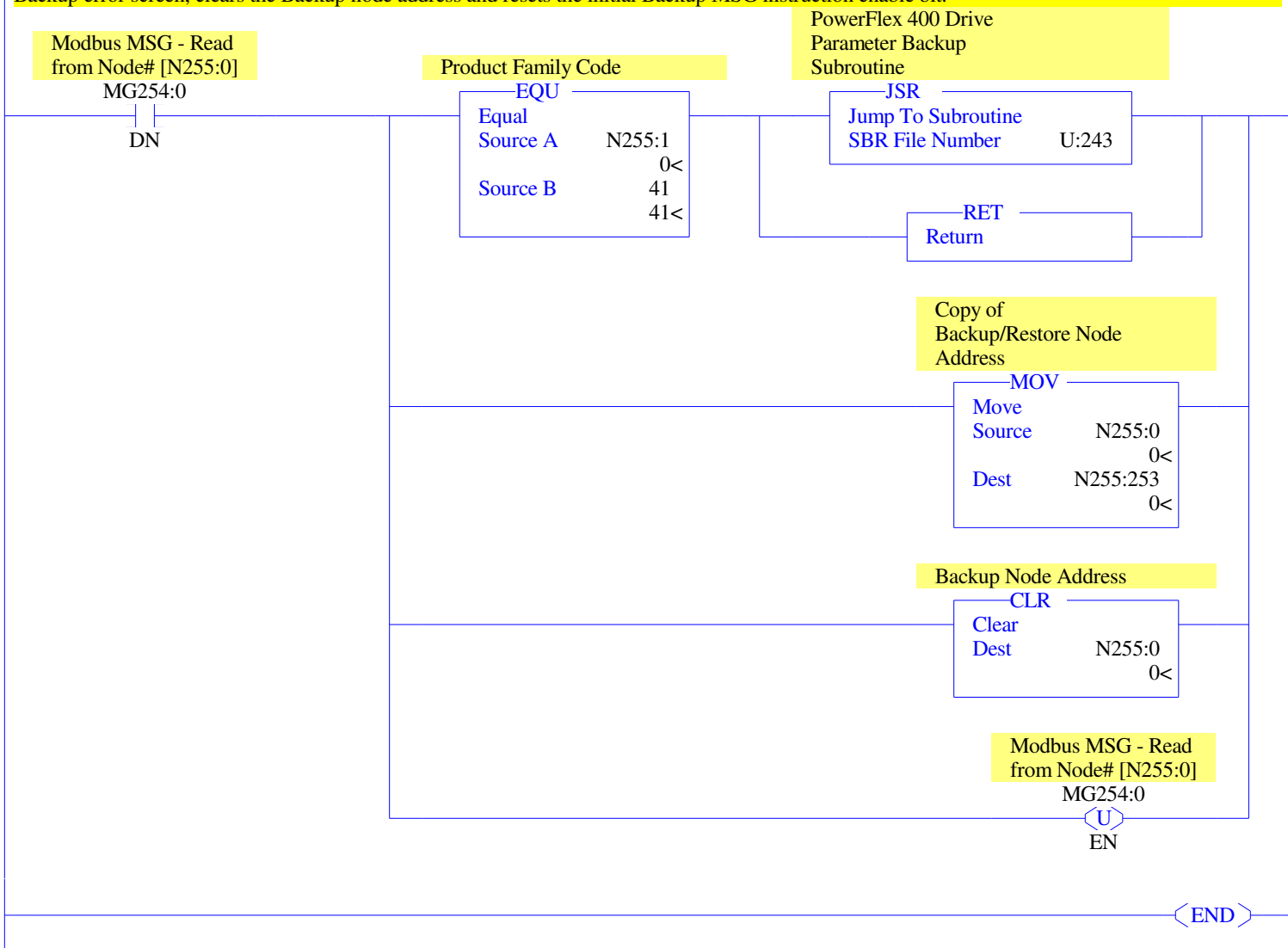
0003

If the initial read message fails, this rung copies the Backup node # into N255:253, so that it can be displayed as part of the LCD Backup error screen, clears the Backup node address and resets the initial Backup MSG instruction enable bit.



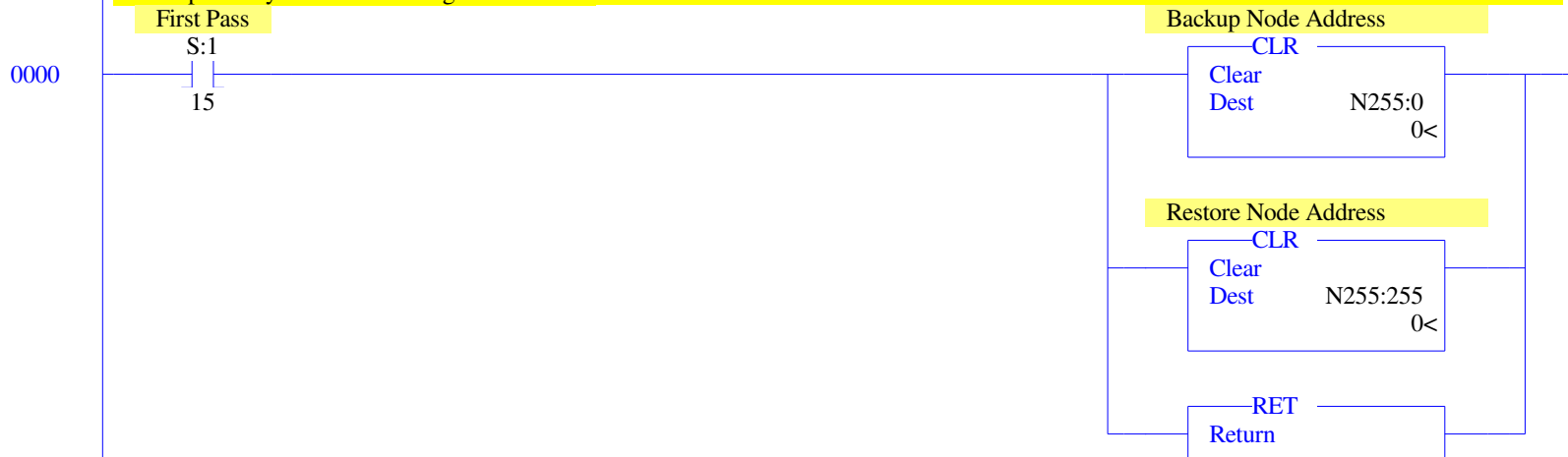
If the initial read message succeeds, select the appropriate Backup subroutine based on the Product Family Code that was read:
132 = PF4M
39 = PF4
40 = PF40
129 = PF40P
41 = PF400
If an unknown Product Family Code is returned, this rung copies the Backup node # into N255:253, so that it can be displayed as part of the LCD Backup error screen, clears the Backup node address and resets the initial Backup MSG instruction enable bit.

0004

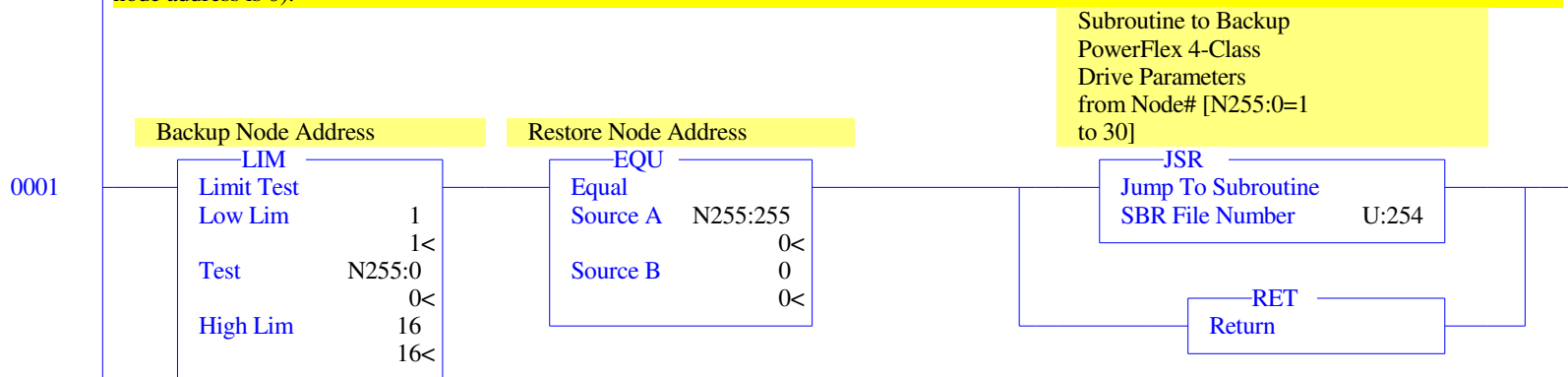


This is the main Drive Parameter Backup & Restore subroutine.

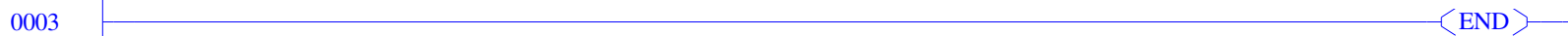
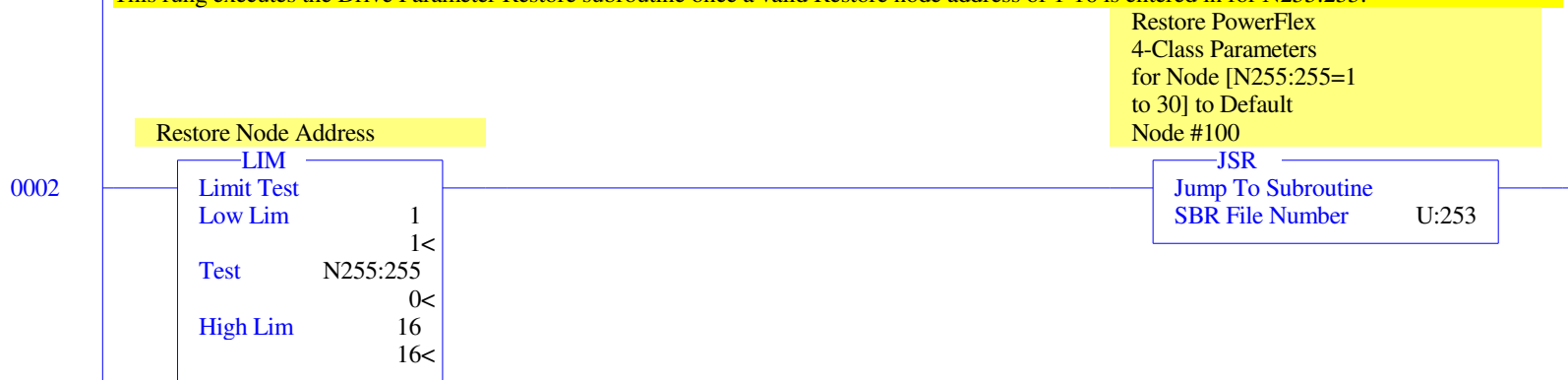
This rung resets the backup node and restore node addresses to zero at every Program to Run transition, in case a backup or restore was interrupted at the last power cycle or Run to Program transition.



This rung executes the Drive Parameter Backup subroutine once a valid Backup node address of 1-16 is entered in for N255:0 (as long as the Restore node address is 0).



This rung executes the Drive Parameter Restore subroutine once a valid Restore node address of 1-16 is entered in for N255:255.



Data File 00 (bin) -- OUTPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
O:0.0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
O:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		

Data File I1 (bin) -- INPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
I:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		
I:0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix 1400 Series A		

Main

Processor Mode S:1/0 - S:1/4 = Remote Run
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 0110-0111-0101-1011

Proc

OS Catalog Number S:57 = 1400 User Program Type S:63 = 9001h
OS Series S:58 = A Compiler Revision Number S:64 =
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =

Scan Times

Maximum (x10 ms) S:22 = 68
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 9
Scan Toggle Bit S:33/9 = 0

Math

Math Overflow Selected S:2/14 = 0 Math Register (lo word) S:13 = 0
Overflow Trap S:5/0 = 0 Math Register (high word) S:14-S:13 = 0
Carry S:0/0 = 0 Math Register (32 Bit) S:14-S:13 = 0
Overflow S:0/1 = 0
Zero Bit S:0/2 = 0
Sign Bit S:0/3 = 0

Chan 0

Processor Mode S:1/0- S:1/4 = Remote Run
Node Address S:15 (low byte) = 0 Outgoing Msg Cmd Pending S:33/2 = 0
Baud Rate S:15 (high byte) = ?
Channel Mode S:33/3 = 0
Comms Active S:33/4 = 0
Incoming Cmd Pending S:33/0 = 0
Msg Reply Pending S:33/1 = 0

Debug

Suspend Code S:7 = 0
Suspend File S:8 = 0

Errors

Fault Override At Power Up S:1/8 = 0 Fault Routine S:29 = 0
Startup Protection Fault S:1/9 = 0 Major Error S:6 = 0h
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0 Error Description:
Control Register Error S:5/2 = 0
Major Error Executing User Fault Rtn. S:5/3 = 0
Battery Low S:5/11 = 0
Input Filter Selection Modified S:5/13 = 0
ASCII String Manipulation error S:5/15 = 0

Protection

Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False

Mem Module

Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0
Data File Overwrite Protection Lost S:36/10 = 0

Data File S2 (hex) -- STATUS

Forces

Forces Enabled S:1/5 = Yes
Forces Installed S:1/6 = No

Data File B3 (bin) -- BINARY

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol)	Description
B3:0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1		

Data File T4 -- TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T4:0	0	0	0	.01 sec	0	0		

Data File C5 -- COUNTER

Offset	CU	CD	DN	OV	UN	UA	PRE	ACC	(Symbol)	Description
C5:0	0	0	0	0	0	0	0	0		

Data File R6 -- CONTROL

Offset	EN	EU	DN	EM	ER	UL	IN	FD	LEN	POS	(Symbol)	Description
R6:0	0	0	0	0	0	0	0	0	0	0		

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0	-417	0								

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0				

Data File F224 -- PC STPTS

Offset	0	1	2	3	4
F224:0	0	0	0	0	0
F224:5	0	94	0	0	0
F224:10	0	0	0	0	0
F224:15	0	0	0	0	0
F224:20	0	0	0	0	0
F224:25	0	0	0	50	0
F224:30	29	10	0	0	0
F224:35	0	0	0	0	0
F224:40	0	0	0	0	0
F224:45	0	0	0	0	0
F224:50	0	0	0	0	0
F224:55	0	0	0	0	0
F224:60	0	0	0	0	0
F224:65	0	0	0	0	0
F224:70	0	0	0	0	0
F224:75	0	0	0	0	0
F224:80	0	0	0	0	0
F224:85	0	0	0	0	0
F224:90	0	0	0	0	0
F224:95	0	0	0	0	0
F224:100	0	0	0	0	0
F224:105	0	0	0	0	0
F224:110	0	0	0	0	0
F224:115	0	0	0	0	0
F224:120	0	0	0	0	0
F224:125	0	0	0	0	0
F224:130	0	0	0	0	0
F224:135	0	0	0	0	0
F224:140	0	0	0	0	0
F224:145	0	0	0	0	0
F224:150	0	0	0	0	0
F224:155	0	0	0	0	0
F224:160	0	0	0	0	0
F224:165	0	0	0	0	0
F224:170	0	0	0	0	0
F224:175	0	0	0	0	0
F224:180	0	0	0	0	0
F224:185	0	0	0	0	0
F224:190	0	0	10	60	0
F224:195	0	0	0	0	0
F224:200	0	0	0	0	1
F224:205	1	0	1	0	0
F224:210	0	0	0	0	0
F224:215	0	0	0	0	0
F224:220	0	0	0	0	15
F224:225	45	0	0	0	0
F224:230	0	0	0	0	0
F224:235	0	0.1	0.1	0	0.1
F224:240	0	0	0	0	0
F224:245	0	0	0	0	0
F224:250	0	0	0	0	0
F224:255	0				

Data File T225 -- PC TIMERS

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol) Description
T225:0	0	0	0	.01 sec	10	0	Drive Status Delay Timer
T225:1	0	0	0	.01 sec	10	0	Drive Type Delay Timer
T225:2	0	0	0	.01 sec	0	0	
T225:3	0	0	0	.01 sec	0	0	
T225:4	0	0	0	.01 sec	0	0	
T225:5	0	0	0	.01 sec	0	0	
T225:6	0	0	0	.01 sec	0	0	
T225:7	0	0	0	.01 sec	0	0	
T225:8	0	0	0	.01 sec	0	0	
T225:9	0	0	0	.01 sec	0	0	
T225:10	0	0	0	.01 sec	0	0	(MIN_RUN_TIMER) Min Run Delay Timer
T225:11	0	0	0	.01 sec	0	0	(LO_FLO_TIMER) Low/No-Flow Detect Delay Timer
T225:12	0	0	0	.01 sec	0	0	(MAX_BST_TIMER) Max Boost Timer
T225:13	0	0	0	.01 sec	0	0	(MIN_SLP_TIMER) Min Sleep Timer
T225:14	0	0	0	.01 sec	0	0	(RUN_OUT_TIMER) Run-Out Detect Delay Timer
T225:15	0	0	0	.01 sec	0	0	(DRY_PMP_TIMER) Dry Pump Detect Delay Timer
T225:16	0	0	0	.01 sec	0	0	
T225:17	0	0	0	.01 sec	0	0	
T225:18	0	0	0	.01 sec	0	0	(9_MIN_RUN_TIMER) Drv #9 Min Run Delay Timer
T225:19	0	0	0	.01 sec	0	0	(9_LO_FLO_TIMER) Drv #9 Low/No-Flow Detect Delay Timer
T225:20	0	0	0	.01 sec	0	0	(9_MAX_BST_TIMER) Drv #9 Max Boost Timer
T225:21	0	0	0	.01 sec	0	0	(9_MIN_SLP_TIMER) Drv #9 Min Sleep Timer
T225:22	0	0	0	.01 sec	0	0	(9_RUN_OUT_TIMER) Drv #9 Run Out Detect Delay Timer
T225:23	0	0	0	.01 sec	0	0	(9_DRY_PMP_TIMER) Drv #9 Dry Pump Detect Delay Timer
T225:24	0	0	0	.01 sec	0	0	
T225:25	0	0	0	.01 sec	0	0	
T225:26	0	0	0	.01 sec	0	0	(10_MIN_RUN_TIMER) Drv #10 Min Run Delay Timer
T225:27	0	0	0	.01 sec	0	0	(10_LO_FLO_TIMER) Drv #10 Low/No-Flow Detect Delay Timer
T225:28	0	0	0	.01 sec	0	0	(10_MAX_BST_TIMER) Drv #10 Max Boost Timer
T225:29	0	0	0	.01 sec	0	0	(10_MIN_SLP_TIMER) Drv #10 Min Sleep Timer
T225:30	0	0	0	.01 sec	0	0	(10_RUN_OUT_TIMER) Drv #10 Run Out Detect Delay Timer
T225:31	0	0	0	.01 sec	0	0	(10_DRY_PMP_TIMER) Drv #10 Dry Pump Detect Delay Timer
T225:32	0	0	0	.01 sec	0	0	
T225:33	0	0	0	.01 sec	0	0	
T225:34	0	0	0	.01 sec	0	0	(11_MIN_RUN_TIMER) Drv #11 Min Run Delay Timer
T225:35	0	0	0	.01 sec	0	0	(11_LO_FLO_TIMER) Drv #11 Low/No-Flow Detect Delay Timer
T225:36	0	0	0	.01 sec	0	0	(11_MAX_BST_TIMER) Drv #11 Max Boost Timer
T225:37	0	0	0	.01 sec	0	0	(11_MIN_SLP_TIMER) Drv #11 Min Sleep Timer
T225:38	0	0	0	.01 sec	0	0	(11_RUN_OUT_TIMER) Drv #11 Run Out Detect Delay Timer
T225:39	0	0	0	.01 sec	0	0	(11_DRY_PMP_TIMER) Drv #11 Dry Pump Detect Delay Timer
T225:40	0	0	0	.01 sec	0	0	
T225:41	0	0	0	.01 sec	0	0	
T225:42	0	0	0	.01 sec	0	0	(12_MIN_RUN_TIMER) Drv #12 Min Run Delay Timer
T225:43	0	0	0	.01 sec	0	0	(12_LO_FLO_TIMER) Drv #12 Low/No-Flow Detect Delay Timer
T225:44	0	0	0	.01 sec	0	0	(12_MAX_BST_TIMER) Drv #12 Max Boost Timer
T225:45	0	0	0	.01 sec	0	0	(12_MIN_SLP_TIMER) Drv #12 Min Sleep Timer
T225:46	0	0	0	.01 sec	0	0	(12_RUN_OUT_TIMER) Drv #12 Run Out Detect Delay Timer
T225:47	0	0	0	.01 sec	0	0	(12_DRY_PMP_TIMER) Drv #12 Dry Pump Detect Delay Timer
T225:48	0	0	0	.01 sec	0	0	
T225:49	0	0	0	.01 sec	0	0	
T225:50	0	0	0	.01 sec	0	0	(13_MIN_RUN_TIMER) Drv #13 Min Run Delay Timer
T225:51	0	0	0	.01 sec	0	0	(13_LO_FLO_TIMER) Drv #13 Low/No-Flow Detect Delay Timer
T225:52	0	0	0	.01 sec	0	0	(13_MAX_BST_TIMER) Drv #13 Max Boost Timer
T225:53	0	0	0	.01 sec	0	0	(13_MIN_SLP_TIMER) Drv #13 Min Sleep Timer
T225:54	0	0	0	.01 sec	0	0	(13_RUN_OUT_TIMER) Drv #13 Run Out Detect Delay Timer
T225:55	0	0	0	.01 sec	0	0	(13_DRY_PMP_TIMER) Drv #13 Dry Pump Detect Delay Timer
T225:56	0	0	0	.01 sec	0	0	
T225:57	0	0	0	.01 sec	0	0	
T225:58	0	0	0	.01 sec	0	0	(14_MIN_RUN_TIMER) Drv #14 Min Run Delay Timer
T225:59	0	0	0	.01 sec	0	0	(14_LO_FLO_TIMER) Drv #14 Low/No-Flow Detect Delay Timer
T225:60	0	0	0	.01 sec	0	0	(14_MAX_BST_TIMER) Drv #14 Max Boost Timer
T225:61	0	0	0	.01 sec	0	0	(14_MIN_SLP_TIMER) Drv #14 Min Sleep Timer
T225:62	0	0	0	.01 sec	0	0	(14_RUN_OUT_TIMER) Drv #14 Run Out Detect Delay Timer
T225:63	0	0	0	.01 sec	0	0	(14_DRY_PMP_TIMER) Drv #14 Dry Pump Detect Delay Timer
T225:64	0	0	0	.01 sec	0	0	
T225:65	0	0	0	.01 sec	0	0	
T225:66	0	0	0	.01 sec	0	0	(15_MIN_RUN_TIMER) Drv #15 Min Run Delay Timer

Data File T225 -- PC TIMERS

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol) Description
T225:67	0	0	0	.01 sec	0	0	(15_LO_FLO_TIMER) Drv #15 Low/No-Flow Detect Delay Timer
T225:68	0	0	0	.01 sec	0	0	(15_MAX_BST_TIMER) Drv #15 Max Boost Timer
T225:69	0	0	0	.01 sec	0	0	(15_MIN_SLP_TIMER) Drv #15 Min Sleep Timer
T225:70	0	0	0	.01 sec	0	0	(15_RUN_OUT_TIMER) Drv #15 Run Out Detect Delay Timer
T225:71	0	0	0	.01 sec	0	0	(15_DRY_PMP_TIMER) Drv #15 Dry Pump Detect Delay Timer
T225:72	0	0	0	.01 sec	0	0	
T225:73	0	0	0	.01 sec	0	0	
T225:74	0	0	0	.01 sec	0	0	(16_MIN_RUN_TIMER) Drv #16 Min Run Delay Timer
T225:75	0	0	0	.01 sec	0	0	(16_LO_FLO_TIMER) Drv #16 Low/No-Flow Detect Delay Timer
T225:76	0	0	0	.01 sec	0	0	(16_MAX_BST_TIMER) Drv #16 Max Boost Timer
T225:77	0	0	0	.01 sec	0	0	(16_MIN_SLP_TIMER) Drv #16 Min Sleep Timer
T225:78	0	0	0	.01 sec	0	0	(16_RUN_OUT_TIMER) Drv #16 Run Out Detect Delay Timer
T225:79	0	0	0	.01 sec	0	0	(16_DRY_PMP_TIMER) Drv #16 Dry Pump Detect Delay Timer
T225:80	0	0	0	.01 sec	0	0	
T225:81	0	0	0	.01 sec	0	0	

Data File MG226 -- PC MSGS

Offset	IA	RBL	LBN	RBN	CHN	NOD	MTO	NB	TFT	TFN	ELE	SEL	BK	TO	CO	E
MG226:0	29022	0	0	0	0	247	0	7	0	8448	0	0	0	0	0	
MG226:1	29016	0	0	0	0	9	1	1	0	8193	0	0	0	0	0	
MG226:2	29018	0	0	0	0	9	1	1	0	8192	0	0	0	0	0	
MG226:3	29020	0	0	0	0	16	0	1	0	16385	0	0	0	1	0	
MG226:4	29036	0	0	0	0	9	1	1	0	305	0	0	0	0	0	
MG226:5	29038	0	0	0	0	9	1	1	0	10	0	0	0	0	0	
MG226:6	29026	0	0	0	0	9	1	1	0	8450	0	0	0	0	0	
MG226:7	29040	0	0	0	0	9	1	7	0	34	0	0	0	0	0	
MG226:8	29054	0	0	0	0	9	1	8	0	152	0	0	0	0	0	
MG226:9	29098	0	0	0	0	9	1	1	0	34	0	0	0	0	0	
MG226:10	29100	0	0	0	0	9	1	1	0	35	0	0	0	0	0	
MG226:11	29102	0	0	0	0	9	1	1	0	39	0	0	0	0	0	
MG226:12	29104	0	0	0	0	9	1	1	0	40	0	0	0	0	0	
MG226:13	29040	0	0	0	0	9	1	7	0	34	0	0	0	0	0	
MG226:14	29106	0	0	0	0	9	1	1	0	152	0	0	0	0	0	
MG226:15	29108	0	0	0	0	9	1	1	0	154	0	0	0	0	0	
MG226:16	29110	0	0	0	0	9	1	1	0	155	0	0	0	0	0	
MG226:17	29112	0	0	0	0	9	1	1	0	156	0	0	0	0	0	
MG226:18	29114	0	0	0	0	9	1	1	0	157	0	0	0	0	0	
MG226:19	29116	0	0	0	0	9	1	1	0	158	0	0	0	0	0	
MG226:20	29118	0	0	0	0	9	1	1	0	159	0	0	0	0	0	
MG226:21	29054	0	0	0	0	9	1	8	0	152	0	0	0	0	0	

Data File F227 -- PC FLOATS

Offset	0	1	2	3	4
F227:0	0	0	0	0	0
F227:5	330	0	-1.#IND	0	0
F227:10	0	0	0	0	0
F227:15	0	0	0	0	0
F227:20	0	0	0	0	0
F227:25	0	94	0	0	0
F227:30	0	0	0	0	0
F227:35	0	0	0	0	0
F227:40	0	0	0	0	0
F227:45	0	0	0	50	0
F227:50	0	0	0	0	0
F227:55	0	0	0	0	0
F227:60	0	0	0	0	0
F227:65	0	0	0	0	0
F227:70	0	0	0	0	0
F227:75	0	0	0	0	0
F227:80	0	0	0	0	0
F227:85	0	0	0	0	0
F227:90	0	0	0	0	0
F227:95	0	0	0	0	0
F227:100	0	0	0	0	0
F227:105	0	94	0	0	0
F227:110	0	0	0	0	0
F227:115	0	0	0	0	0
F227:120	0	0	0	0	0
F227:125	0	0	0	50	0
F227:130	29	10	0	0.5	0.073
F227:135	-1.#IND	-1.#IND	-1.#IND	-1.#IND	-1.#IND
F227:140	-1.#IND	0.07211447	12.70003	17.5	0
F227:145	0	3.233334	3.433333	2.801738e-06	2.01
F227:150	0	0	0	0	0
F227:155	0	0	0	0	0
F227:160	0	0	0	4	4
F227:165	0	0	0	4	4
F227:170	0	0	0	0	0
F227:175	0	0	0	0	0
F227:180	0	0	0	0	0
F227:185	0	0	0	0	0
F227:190	0	0	0	0	0
F227:195	0	0	0	0	0
F227:200	0	0	0	0	0
F227:205	0	0	0	0	0
F227:210	0	0	0	0	0
F227:215	0	0	0	0	0
F227:220	0	0	0	0	0
F227:225	0	0	0	0	0
F227:230	0	0	0	0	0
F227:235	0	0	0	0	0
F227:240	0	0	0	0	0
F227:245	0	0	0	0	0
F227:250	0	0	0	0	0
F227:255	0				

Data File B228 (bin) -- PC STATUS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B228:0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(STS_PCDRV_NUMBER) Drive Number Data to Display
B228:1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	(STS_PCSPEED_DIVISR) Speed Display Divisor
B228:2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCAMPS_DIVISR) Amperage Display Divisor
B228:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(STS_PCVOLTS_DIVISR) Voltage Display Divisor
B228:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(STS_PCDCBUSV_DIVISR) DC Bus Voltage Display Divisor
B228:5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	(STS_PCSCRN) Current Screen Control Status
B228:6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	(STS_PCNDSTS) Current Screen Node Status
B228:7	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	(STS_PCDRV_TYPE) PF4 Class Drive Type
B228:8	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	(STS_PCSTS) Logic Status
B228:9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCFAULT_CODE) Fault Code
B228:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCREF_SPEED) Commanded Speed
B228:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCSPEED_FDBCK) Speed Feedback
B228:12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCOUTPT_CURRNT) Output Current
B228:13	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	(STS_PCDCBUS_VOLTAG) DC Bus Voltage
B228:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCOUTPT_VOLTAG) Output Voltage
B228:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	(STS_PCANALOG_IN_1) Analog Inp 1
B228:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCOUTPUT_POWER) Output Power
B228:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P34_MIN_FREQ) Min Freq
B228:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P35_MAX_FREQ) Max Freq
B228:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P39_ACCEL_TM1) Accel Time 1
B228:20	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	(STS_P40_DECEL_TM1) Decel Time 1
B228:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(STS_P152_PID_REF) PID Ref Sel
B228:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P154_PID_PROP) PID Prop Gain
B228:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P155_PID_INTG) PID Integ Gain
B228:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P156_PID_DIFF) PID Diff Rate
B228:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P157_PID_SETP) PID Setpoint
B228:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P158_PID_DBND) PID Deadband
B228:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_P159_PID_PRLD) PID Preload
B228:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(STS_PCCND) Pump Condition
B228:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCERROR_CODE) Pump Error Code
B228:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCSLEEP_SEQ) Sleep Sequence
B228:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:32	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCANALGIN_DIVISR) Analog Inp 1 Display Divisor
B228:33	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCOUTPWR_DIVISR) Output Power Display Divisor
B228:34	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCMINFRQ_DIVISR) Min Freq Display Divisor
B228:35	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCMAFXRQ_DIVISR) Max Freq Display Divisor
B228:36	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	(STS_PCACCTIM_DIVISR) Accel Time 1 Display Divisor
B228:37	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	(STS_PCDECTIM_DIVISR) Decel Time 1 Display Divisor
B228:38	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	(STS_PCPIDPROP_DIVSR) PID Prop Gain Display Divisor
B228:39	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCPIDINTG_DIVSR) PID Integ Gain Display Divisor
B228:40	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	(STS_PCPIDDIFF_DIVSR) PID Diff Rate Display Divisor
B228:41	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCPIDSETP_DIVSR) PID Setpoint Display Divisor
B228:42	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCPIDBND_DIVSR) PID Deadband Display Divisor
B228:43	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	(STS_PCPIDPRLD_DIVSR) PID Preload Display Divisor
B228:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(STS_PCFAULT_DISPLAY) Fault Display Word - Display
B228:50	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	(9_STS_PCDRV_TYPE) Drv #9 PF4 Class Drive Type
B228:51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_PCSTS) Drv #9 Logic Status
B228:52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_FAULT_CODE) Drv #9 Fault Code
B228:53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_CMD_SPEED) Drv #9 Commanded Speed
B228:54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_SPEED_FDBCK) Drv #9 Speed Feedback
B228:55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_OUTPT_CURRNT) Drv #9 Output Current
B228:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_DCBUS_VOLTAG) Drv #9 DC Bus Voltage
B228:57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_OUTPT_VOLTAG) Drv #9 Output Voltage
B228:58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_ANALOG_IN_1) Drv #9 Analog Inp 1
B228:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_OUTPUT_POWER) Drv #9 Output Power
B228:60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P34_MIN_FREQ) Drv #9 Min Freq
B228:61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P35_MAX_FREQ) Drv #9 Max Freq
B228:62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P39_ACCEL_TM1) Drv #9 Accel Time 1
B228:63	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	(9_STS_P40_DECEL_TM1) Drv #9 Decel Time 1
B228:64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(9_STS_P152_PID_REF) Drv #9 PID Ref Sel
B228:65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P154_PID_PROP) Drv #9 PID Prop Gain
B228:66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P155_PID_INTG) Drv #9 PID Integ Gain

Data File B228 (bin) -- PC STATUS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B228:67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P156_PID_DIFF) Drv #9 PID Diff Rate
B228:68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P157_PID_SETP) Drv #9 PID Setpoint
B228:69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P158_PID_DBND) Drv #9 PID Deadband
B228:70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_P159_PID_PRLD) Drv #9 PID Preload
B228:71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(9_STS_PCCND) Drv #9 Pump Condition
B228:72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_ERROR_CODE) Drv #9 Pump Error Code
B228:73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_PCSLEEP_SEQ) Drv #9 Sleep Sequence
B228:74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #9 Toggle Bit Word
B228:75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_PCDRV_TYPE) Drv #10 PF4 Class Drive Ty
B228:76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_PCSTS) Drv #10 Logic Status
B228:77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_FAULT_CODE) Drv #10 Fault Code
B228:78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_CMD_SPEED) Drv #10 Commanded Speed
B228:79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_SPEED_FDBCK) Drv #10 Speed Feedback
B228:80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_OUTPT_CURRNT) Drv #10 Output Current
B228:81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_DCBUS_VOLTAG) Drv #10 DC Bus Voltage
B228:82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_OUTPT_VOLTAG) Drv #10 Output Voltage
B228:83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_ANALOG_IN_1) Drv #10 Analog Inp 1
B228:84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_OUTPUT_POWER) Drv #10 Output Power
B228:85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P34_MIN_FREQ) Drv #10 Min Freq
B228:86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P35_MAX_FREQ) Drv #10 Max Freq
B228:87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P39_ACCEL_TM1) Drv #10 Accel Time 1
B228:88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P40_DECEL_TM1) Drv #10 Decel Time 1
B228:89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P152_PID_REF) Drv #10 PID Ref Sel
B228:90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P154_PID_PROP) Drv #10 PID Prop Gain
B228:91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P155_PID_INTG) Drv #10 PID Integ Gain
B228:92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P156_PID_DIFF) Drv #10 PID Diff Rate
B228:93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P157_PID_SETP) Drv #10 PID Setpoint
B228:94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P158_PID_DBND) Drv #10 PID Deadband
B228:95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_P159_PID_PRLD) Drv #10 PID Preload
B228:96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_PCCND) Drv #10 Pump Condition
B228:97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_ERROR_CODE) Drv #10 Pump Error Code
B228:98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_PCSLEEP_SEQ) Drv #10 Sleep Sequence
B228:99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #10 Toggle Bit Word
B228:100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_PCDRV_TYPE) Drv #11 PF4 Class Drive Ty
B228:101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_PCSTS) Drv #11 Logic Status
B228:102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_FAULT_CODE) Drv #11 Fault Code
B228:103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_CMD_SPEED) Drv #11 Commanded Speed
B228:104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_SPEED_FDBCK) Drv #11 Speed Feedback
B228:105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_OUTPT_CURRNT) Drv #11 Output Current
B228:106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_DCBUS_VOLTAG) Drv #11 DC Bus Voltage
B228:107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_OUTPT_VOLTAG) Drv #11 Output Voltage
B228:108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_ANALOG_IN_1) Drv #11 Analog Inp 1
B228:109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_OUTPUT_POWER) Drv #11 Output Power
B228:110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P34_MIN_FREQ) Drv #11 Min Freq
B228:111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P35_MAX_FREQ) Drv #11 Max Freq
B228:112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P39_ACCEL_TM1) Drv #11 Accel Time 1
B228:113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P40_DECEL_TM1) Drv #11 Decel Time 1
B228:114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P152_PID_REF) Drv #11 PID Ref Sel
B228:115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P154_PID_PROP) Drv #11 PID Prop Gain
B228:116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P155_PID_INTG) Drv #11 PID Integ Gain
B228:117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P156_PID_DIFF) Drv #11 PID Diff Rate
B228:118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P157_PID_SETP) Drv #11 PID Setpoint
B228:119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P158_PID_DBND) Drv #11 PID Deadband
B228:120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_P159_PID_PRLD) Drv #11 PID Preload
B228:121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_PCCND) Drv #11 Pump Condition
B228:122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_ERROR_CODE) Drv #11 Pump Error Code
B228:123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_PCSLEEP_SEQ) Drv #11 Sleep Sequence
B228:124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #11 Toggle Bit Word
B228:125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_PCDRV_TYPE) Drv #12 PF4 Class Drive Ty
B228:126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_PCSTS) Drv #12 Logic Status
B228:127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_FAULT_CODE) Drv #12 Fault Code
B228:128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_CMD_SPEED) Drv #12 Commanded Speed
B228:129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_SPEED_FDBCK) Drv #12 Speed Feedback
B228:130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_OUTPT_CURRNT) Drv #12 Output Current
B228:131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_DCBUS_VOLTAG) Drv #12 DC Bus Voltage
B228:132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_OUTPT_VOLTAG) Drv #12 Output Voltage
B228:133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_ANALOG_IN_1) Drv #12 Analog Inp 1

Data File B228 (bin) -- PC STATUS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B228:134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_OUTPUT_POWER) Drv #12 Output Power
B228:135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P34_MIN_FREQ) Drv #12 Min Freq
B228:136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P35_MAX_FREQ) Drv #12 Max Freq
B228:137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P39_ACCEL_TM1) Drv #12 Accel Time 1
B228:138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P40_DECEL_TM1) Drv #12 Decel Time 1
B228:139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P152_PID_REF) Drv #12 PID Ref Sel
B228:140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P154_PID_PROP) Drv #12 PID Prop Gain
B228:141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P155_PID_INTG) Drv #12 PID Integ Gain
B228:142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P156_PID_DIFF) Drv #12 PID Diff Rate
B228:143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P157_PID_SETP) Drv #12 PID Setpoint
B228:144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P158_PID_DBND) Drv #12 PID Deadband
B228:145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_P159_PID_PRLD) Drv #12 PID Preload
B228:146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_PCCND) Drv #12 Pump Condition
B228:147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_ERROR_CODE) Drv #12 Pump Error Code
B228:148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_PCSLEEP_SEQ) Drv #12 Sleep Sequence
B228:149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #12 Toggle Bit Word
B228:150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_PCDRV_TYPE) Drv #13 PF4 Class Drive Ty
B228:151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_PCSTS) Drv #13 Logic Status
B228:152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_FAULT_CODE) Drv #13 Fault Code
B228:153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_CMD_SPEED) Drv #13 Commanded Speed
B228:154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_SPEED_FDBCK) Drv #13 Speed Feedback
B228:155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_OUTPT_CURRNT) Drv #13 Output Current
B228:156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_DCBUS_VOLTAG) Drv #13 DC Bus Voltage
B228:157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_OUTPT_VOLTAG) Drv #13 Output Voltage
B228:158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_ANALOG_IN_1) Drv #13 Analog Inp 1
B228:159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_OUTPUT_POWER) Drv #13 Output Power
B228:160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P34_MIN_FREQ) Drv #13 Min Freq
B228:161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P35_MAX_FREQ) Drv #13 Max Freq
B228:162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P39_ACCEL_TM1) Drv #13 Accel Time 1
B228:163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P40_DECEL_TM1) Drv #13 Decel Time 1
B228:164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P152_PID_REF) Drv #13 PID Ref Sel
B228:165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P154_PID_PROP) Drv #13 PID Prop Gain
B228:166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P155_PID_INTG) Drv #13 PID Integ Gain
B228:167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P156_PID_DIFF) Drv #13 PID Diff Rate
B228:168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P157_PID_SETP) Drv #13 PID Setpoint
B228:169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P158_PID_DBND) Drv #13 PID Deadband
B228:170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_P159_PID_PRLD) Drv #13 PID Preload
B228:171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_PCCND) Drv #13 Pump Condition
B228:172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_ERROR_CODE) Drv #13 Pump Error Code
B228:173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_PCSLEEP_SEQ) Drv #13 Sleep Sequence
B228:174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #13 Toggle Bit Word
B228:175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_PCDRV_TYPE) Drv #14 PF4 Class Drive Ty
B228:176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_PCSTS) Drv #14 Logic Status
B228:177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_FAULT_CODE) Drv #14 Fault Code
B228:178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_CMD_SPEED) Drv #14 Commanded Speed
B228:179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_SPEED_FDBCK) Drv #14 Speed Feedback
B228:180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_OUTPT_CURRNT) Drv #14 Output Current
B228:181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_DCBUS_VOLTAG) Drv #14 DC Bus Voltage
B228:182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_OUTPT_VOLTAG) Drv #14 Output Voltage
B228:183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_ANALOG_IN_1) Drv #14 Analog Inp 1
B228:184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_OUTPUT_POWER) Drv #14 Output Power
B228:185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P34_MIN_FREQ) Drv #14 Min Freq
B228:186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P35_MAX_FREQ) Drv #14 Max Freq
B228:187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P39_ACCEL_TM1) Drv #14 Accel Time 1
B228:188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P40_DECEL_TM1) Drv #14 Decel Time 1
B228:189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P152_PID_REF) Drv #14 PID Ref Sel
B228:190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P154_PID_PROP) Drv #14 PID Prop Gain
B228:191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P155_PID_INTG) Drv #14 PID Integ Gain
B228:192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P156_PID_DIFF) Drv #14 PID Diff Rate
B228:193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P157_PID_SETP) Drv #14 PID Setpoint
B228:194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P158_PID_DBND) Drv #14 PID Deadband
B228:195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_P159_PID_PRLD) Drv #14 PID Preload
B228:196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_PCCND) Drv #14 Pump Condition
B228:197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_ERROR_CODE) Drv #14 Pump Error Code
B228:198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_PCSLEEP_SEQ) Drv #14 Sleep Sequence
B228:199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #14 Toggle Bit Word
B228:200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_PCDRV_TYPE) Drv #15 PF4 Class Drive Ty

Data File B228 (bin) -- PC STATUS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B228:201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_PCSTS) Drv #15 Logic Status
B228:202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_FAULT_CODE) Drv #15 Fault Code
B228:203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_CMD_SPEED) Drv #15 Commanded Speed
B228:204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_SPEED_FDBCK) Drv #15 Speed Feedback
B228:205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_OUTPT_CURRNT) Drv #15 Output Current
B228:206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_DCBUS_VOLTAG) Drv #15 DC Bus Voltage
B228:207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_OUTPT_VOLTAG) Drv #15 Output Voltage
B228:208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_ANALOG_IN_1) Drv #15 Analog Inp 1
B228:209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_OUTPUT_POWER) Drv #15 Output Power
B228:210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P34_MIN_FREQ) Drv #15 Min Freq
B228:211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P35_MAX_FREQ) Drv #15 Max Freq
B228:212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P39_ACCEL_TM1) Drv #15 Accel Time 1
B228:213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P40_DECEL_TM1) Drv #15 Decel Time 1
B228:214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P152_PID_REF) Drv #15 PID Ref Sel
B228:215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P154_PID_PROP) Drv #15 PID Prop Gain
B228:216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P155_PID_INTG) Drv #15 PID Integ Gain
B228:217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P156_PID_DIFF) Drv #15 PID Diff Rate
B228:218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P157_PID_SETP) Drv #15 PID Setpoint
B228:219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P158_PID_DBND) Drv #15 PID Deadband
B228:220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_P159_PID_PRLD) Drv #15 PID Preload
B228:221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_PCCND) Drv #15 Pump Condition
B228:222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_ERROR_CODE) Drv #15 Pump Error Code
B228:223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_PCSLEEP_SEQ) Drv #15 Sleep Sequence
B228:224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #15 Toggle Bit Word
B228:225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_PCDRV_TYPE) Drv #16 PF4 Class Drive Ty
B228:226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_PCSTS) Drv #16 Logic Status
B228:227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_FAULT_CODE) Drv #16 Fault Code
B228:228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_CMD_SPEED) Drv #16 Commanded Speed
B228:229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_SPEED_FDBCK) Drv #16 Speed Feedback
B228:230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_OUTPT_CURRNT) Drv #16 Output Current
B228:231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_DCBUS_VOLTAG) Drv #16 DC Bus Voltage
B228:232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_OUTPT_VOLTAG) Drv #16 Output Voltage
B228:233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_ANALOG_IN_1) Drv #16 Analog Inp 1
B228:234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_OUTPUT_POWER) Drv #16 Output Power
B228:235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P34_MIN_FREQ) Drv #16 Min Freq
B228:236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P35_MAX_FREQ) Drv #16 Max Freq
B228:237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P39_ACCEL_TM1) Drv #16 Accel Time 1
B228:238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P40_DECEL_TM1) Drv #16 Decel Time 1
B228:239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P152_PID_REF) Drv #16 PID Ref Sel
B228:240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P154_PID_PROP) Drv #16 PID Prop Gain
B228:241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P155_PID_INTG) Drv #16 PID Integ Gain
B228:242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P156_PID_DIFF) Drv #16 PID Diff Rate
B228:243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P157_PID_SETP) Drv #16 PID Setpoint
B228:244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P158_PID_DBND) Drv #16 PID Deadband
B228:245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_P159_PID_PRLD) Drv #16 PID Preload
B228:246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_PCCND) Drv #16 Pump Condition
B228:247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_ERROR_CODE) Drv #16 Pump Error Code
B228:248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_PCSLEEP_SEQ) Drv #16 Sleep Sequence
B228:249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Drv #16 Toggle Bit Word
B228:250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B228:255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File B229 (bin) -- PC CMMNDS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B229:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PCDRV_NUMBER) Drive Number Data to Display
B229:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PC_SCRN) Current Screen Control
B229:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PCOP_CMD) Operator Command Word
B229:3	0	0	0	1	0	0	1	1	1	0	0	0	1	0	0	0	(CMD_PCOP_CMD_SPDR) Operator Speed Reference Control
B229:4	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	(CMD_P34_MIN_FREQ) Min Freq
B229:5	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	(CMD_P35_MAX_FREQ) Max Freq
B229:6	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	(CMD_P39_ACCEL_TM1) Accel Time 1
B229:7	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1	(CMD_P40_DECEL_TM1) Decel Time 1
B229:8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(CMD_P152_PID_REF) PID Ref Sel
B229:9	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	(CMD_P154_PID_PROP) PID Prop Gain
B229:10	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	(CMD_P155_PID_INTG) PID Integ Gain
B229:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_P156_PID_DIFF) PID Diff Rate
B229:12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	(CMD_P157_PID_SETP) PID Setpoint
B229:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(CMD_P158_PID_DBND) PID Deadband
B229:14	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	(CMD_P159_PID_PRLD) PID Preload
B229:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PCCFG) Pump Configuration
B229:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PCFNC_LOFLO) Low/No-Flow Function 0=Off, 1=On
B229:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PCFNC_DRYPMP) Dry Pump Function 0=Off, 1=On
B229:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_PCFNC_RUNOUT) Run Out Function 0=Off, 1=On
B229:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	(9_CMD_PROG_CMD) Drv #9 Command Word
B229:51	0	0	0	1	0	0	1	1	1	0	0	0	1	0	0	0	(9_CMD_PROG_CMD_SPDR) Drv #9 Speed Reference
B229:52	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	(9_CMD_CMD_CMPAR) Drv #9 Command Word Compare
B229:53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P34_MIN_FREQ) Drv #9 Min Freq
B229:61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P35_MAX_FREQ) Drv #9 Max Freq
B229:62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P39_ACCEL_TM1) Drv #9 Accel Time 1
B229:63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P40_DECEL_TM1) Drv #9 Decel Time 1
B229:64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(9_CMD_P152_PID_REF) Drv #9 PID Ref Sel
B229:65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P154_PID_PROP) Drv #9 PID Prop Gain
B229:66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P155_PID_INTG) Drv #9 PID Integ Gain

Data File B229 (bin) -- PC CMMNDS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B229:67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P156_PID_DIFF) Drv #9 PID Diff Rate
B229:68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P157_PID_SETP) Drv #9 PID Setpoint
B229:69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P158_PID_DBND) Drv #9 PID Deadband
B229:70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_P159_PID_PRLD) Drv #9 PID Preload
B229:71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_PCCFG) Drv #9 Pump Configuration
B229:72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_PCFNC_LOFLO) Drv #9 Low/No-Flow Function
B229:73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_PCFNC_DRYPMP) Drv #9 Dry Pump Function
B229:74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_CMD_PCFNC_RUNOUT) Drv #9 Run Out Function
B229:75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_PROG_CMD) Drv #10 Command Word
B229:76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_PROG_CMD_SPDR) Drv #10 Speed Reference
B229:77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_CMD_CMPAR) Drv #10 Command Word Compar
B229:78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_SPD_SRC_CMPAR) Drv #10 Speed Source Wo
B229:79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P34_MIN_FREQ) Drv #10 Min Freq
B229:86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P35_MAX_FREQ) Drv #10 Max Freq
B229:87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P39_ACCEL_TM1) Drv #10 Accel Time 1
B229:88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P40_DECEL_TM1) Drv #10 Decel Time 1
B229:89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P152_PID_REF) Drv #10 PID Ref Sel
B229:90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P154_PID_PROP) Drv #10 PID Prop Gain
B229:91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P155_PID_INTG) Drv #10 PID Integ Gain
B229:92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P156_PID_DIFF) Drv #10 PID Diff Rate
B229:93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P157_PID_SETP) Drv #10 PID Setpoint
B229:94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P158_PID_DBND) Drv #10 PID Deadband
B229:95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_P159_PID_PRLD) Drv #10 PID Preload
B229:96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_PCCFG) Drv #10 Pump Configuration
B229:97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_PCFNC_LOFLO) Drv #10 Low/No-Flow Funct
B229:98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_PCFNC_DRYPMP) Drv #10 Dry Pump Functio
B229:99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_CMD_PCFNC_RUNOUT) Drv #10 Run Out Function
B229:100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_PROG_CMD) Drv #11 Command Word
B229:101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_PROG_CMD_SPDR) Drv #11 Speed Reference
B229:102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_CMD_CMPAR) Drv #11 Command Word Compar
B229:103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_SPD_SRC_CMPAR) Drv #11 Speed Source Wo
B229:104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P34_MIN_FREQ) Drv #11 Min Freq
B229:111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P35_MAX_FREQ) Drv #11 Max Freq
B229:112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P39_ACCEL_TM1) Drv #11 Accel Time 1
B229:113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P40_DECEL_TM1) Drv #11 Decel Time 1
B229:114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P152_PID_REF) Drv #11 PID Ref Sel
B229:115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P154_PID_PROP) Drv #11 PID Prop Gain
B229:116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P155_PID_INTG) Drv #11 PID Integ Gain
B229:117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P156_PID_DIFF) Drv #11 PID Diff Rate
B229:118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P157_PID_SETP) Drv #11 PID Setpoint
B229:119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P158_PID_DBND) Drv #11 PID Deadband
B229:120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_P159_PID_PRLD) Drv #11 PID Preload
B229:121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_PCCFG) Drv #11 Pump Configuration
B229:122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_PCFNC_LOFLO) Drv #11 Low/No-Flow Funct
B229:123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_PCFNC_DRYPMP) Drv #11 Dry Pump Functio
B229:124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_CMD_PCFNC_RUNOUT) Drv #11 Run Out Function
B229:125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_PROG_CMD) Drv #12 Command Word
B229:126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_PROG_CMD_SPDR) Drv #12 Speed Reference
B229:127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_CMD_CMPAR) Drv #12 Command Word Compar
B229:128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_SPD_SRC_CMPAR) Drv #12 Speed Source Wo
B229:129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File B229 (bin) -- PC CMMNDS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B229:134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P34_MIN_FREQ) Drv #12 Min Freq
B229:136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P35_MAX_FREQ) Drv #12 Max Freq
B229:137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P39_ACCEL_TM1) Drv #12 Accel Time 1
B229:138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P40_DECEL_TM1) Drv #12 Decel Time 1
B229:139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P152_PID_REF) Drv #12 PID Ref Sel
B229:140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P154_PID_PROP) Drv #12 PID Prop Gain
B229:141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P155_PID_INTG) Drv #12 PID Integ Gain
B229:142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P156_PID_DIFF) Drv #12 PID Diff Rate
B229:143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P157_PID_SETP) Drv #12 PID Setpoint
B229:144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P158_PID_DBND) Drv #12 PID Deadband
B229:145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_P159_PID_PRLD) Drv #12 PID Preload
B229:146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_PCCFG) Drv #12 Pump Configuration
B229:147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_PCFNC_LOFLO) Drv #12 Low/No-Flow Funct
B229:148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_PCFNC_DRYPMP) Drv #12 Dry Pump Functio
B229:149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_CMD_PCFNC_RUNOUT) Drv #12 Run Out Function
B229:150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_PROG_CMD) Drv #13 Command Word
B229:151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_PROG_CMD_SPDR) Drv #13 Speed Reference
B229:152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_CMD_CMPAR) Drv #13 Command Word Compar
B229:153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_SPD_SRC_CMPAR) Drv #13 Speed Source Wo
B229:154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P34_MIN_FREQ) Drv #13 Min Freq
B229:161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P35_MAX_FREQ) Drv #13 Max Freq
B229:162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P39_ACCEL_TM1) Drv #13 Accel Time 1
B229:163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P40_DECEL_TM1) Drv #13 Decel Time 1
B229:164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P152_PID_REF) Drv #13 PID Ref Sel
B229:165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P154_PID_PROP) Drv #13 PID Prop Gain
B229:166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P155_PID_INTG) Drv #13 PID Integ Gain
B229:167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P156_PID_DIFF) Drv #13 PID Diff Rate
B229:168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P157_PID_SETP) Drv #13 PID Setpoint
B229:169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P158_PID_DBND) Drv #13 PID Deadband
B229:170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_P159_PID_PRLD) Drv #13 PID Preload
B229:171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_PCCFG) Drv #13 Pump Configuration
B229:172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_PCFNC_LOFLO) Drv #13 Low/No-Flow Funct
B229:173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_PCFNC_DRYPMP) Drv #13 Dry Pump Functio
B229:174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_CMD_PCFNC_RUNOUT) Drv #13 Run Out Function
B229:175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_PROG_CMD) Drv #14 Command Word
B229:176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_PROG_CMD_SPDR) Drv #14 Speed Reference
B229:177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_CMD_CMPAR) Drv #14 Command Word Compar
B229:178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_SPD_SRC_CMPAR) Drv #14 Speed Source Wo
B229:179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P34_MIN_FREQ) Drv #14 Min Freq
B229:186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P35_MAX_FREQ) Drv #14 Max Freq
B229:187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P39_ACCEL_TM1) Drv #14 Accel Time 1
B229:188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P40_DECEL_TM1) Drv #14 Decel Time 1
B229:189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P152_PID_REF) Drv #14 PID Ref Sel
B229:190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P154_PID_PROP) Drv #14 PID Prop Gain
B229:191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P155_PID_INTG) Drv #14 PID Integ Gain
B229:192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P156_PID_DIFF) Drv #14 PID Diff Rate
B229:193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P157_PID_SETP) Drv #14 PID Setpoint
B229:194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P158_PID_DBND) Drv #14 PID Deadband
B229:195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_P159_PID_PRLD) Drv #14 PID Preload
B229:196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_PCCFG) Drv #14 Pump Configuration
B229:197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_PCFNC_LOFLO) Drv #14 Low/No-Flow Funct
B229:198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_PCFNC_DRYPMP) Drv #14 Dry Pump Functio
B229:199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_CMD_PCFNC_RUNOUT) Drv #14 Run Out Function
B229:200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_PROG_CMD) Drv #15 Command Word

Data File B229 (bin) -- PC CMMNDS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B229:201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_PROG_CMD_SPDR) Drv #15 Speed Reference
B229:202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_CMD_CMPAR) Drv #15 Command Word Compar
B229:203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_SPD_SRC_CMPAR) Drv #15 Speed Source Wo
B229:204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P34_MIN_FREQ) Drv #15 Min Freq
B229:211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P35_MAX_FREQ) Drv #15 Max Freq
B229:212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P39_ACCEL_TM1) Drv #15 Accel Time 1
B229:213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P40_DECEL_TM1) Drv #15 Decel Time 1
B229:214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P152_PID_REF) Drv #15 PID Ref Sel
B229:215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P154_PID_PROP) Drv #15 PID Prop Gain
B229:216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P155_PID_INTG) Drv #15 PID Integ Gain
B229:217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P156_PID_DIFF) Drv #15 PID Diff Rate
B229:218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P157_PID_SETP) Drv #15 PID Setpoint
B229:219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P158_PID_DBND) Drv #15 PID Deadband
B229:220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_P159_PID_PRLD) Drv #15 PID Preload
B229:221	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	(15_CMD_PCCFG) Drv #15 Pump Configuration
B229:222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_PCFNC_LOFLO) Drv #15 Low/No-Flow Funct
B229:223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_PCFNC_DRYPMP) Drv #15 Dry Pump Functio
B229:224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_CMD_PCFNC_RUNOUT) Drv #15 Run Out Function
B229:225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_PROG_CMD) Drv #16 Command Word
B229:226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_PROG_CMD_SPDR) Drv #16 Speed Reference
B229:227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_CMD_CMPAR) Drv #16 Command Word Compar
B229:228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_SPD_SRC_CMPAR) Drv #16 Speed Source Wo
B229:229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P34_MIN_FREQ) Drv #16 Min Freq
B229:236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P35_MAX_FREQ) Drv #16 Max Freq
B229:237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P39_ACCEL_TM1) Drv #16 Accel Time 1
B229:238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P40_DECEL_TM1) Drv #16 Decel Time 1
B229:239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P152_PID_REF) Drv #16 PID Ref Sel
B229:240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P154_PID_PROP) Drv #16 PID Prop Gain
B229:241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P155_PID_INTG) Drv #16 PID Integ Gain
B229:242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P156_PID_DIFF) Drv #16 PID Diff Rate
B229:243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P157_PID_SETP) Drv #16 PID Setpoint
B229:244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P158_PID_DBND) Drv #16 PID Deadband
B229:245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_P159_PID_PRLD) Drv #16 PID Preload
B229:246	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	(16_CMD_PCCFG) Drv #16 Pump Configuration
B229:247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_PCFNC_LOFLO) Drv #16 Low/No-Flow Funct
B229:248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_PCFNC_DRYPMP) Drv #16 Dry Pump Functio
B229:249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_CMD_PCFNC_RUNOUT) Drv #16 Run Out Function
B229:250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B229:255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File N230 (dec) -- PC MISC

Offset	0	1	2	3	4	5	6	7	8	9
N230:0	0	51	225	60	228	225	227	226	5000	32
N230:10	41	9729	0	0	0	0	329	0	5	0
N230:20	0	0	5	0	5	0	500	1	0	0
N230:30	0	0	0	0	0	0	58	59	235	236
N230:40	237	238	239	240	241	242	243	244	245	0
N230:50	0	0	0	1	0	0	0	0	0	0
N230:60	50	60	249	0	50	50	0	71	71	18
N230:70	167	71	2	30	33	51	0	0	0	0
N230:80	514	0	0	0	0	0	0	0	0	0
N230:90	0	0	0	0	0	0	0	0	0	0
N230:100	41	9729	0	0	0	0	329	0	5	0
N230:110	0	0	0	500	1	0	0	0	0	0
N230:120	0	1	0	0	0	32	5000	32	0	0
N230:130	0	0	0	0	0	0	0	0	0	1
N230:140	0	0	0	0	0	0	0	0	0	0
N230:150	0	0	0	0	0	0	0	0	0	0
N230:160	0	0	0	0	0	0	0	0	0	0
N230:170	0	0	0	0	0	0	0	0	0	0
N230:180	0	0	0	0	0	0	0	0	0	0
N230:190	0	0	0	0	0	0	0	0	0	0
N230:200	0	0	0	0	0	0	0	0	0	0
N230:210	0	0	0	0	0	0	0	0	0	0
N230:220	0	0	0	0	0	0	0	0	0	0
N230:230	0	0	0	0	0	0	0	0	0	0
N230:240	0	0	0	0	0	0	0	0	0	0
N230:250	0	0	0	0	0	0				

Data File T238 -- NODE TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T238:0	0	0	0	.001 sec	32767	0	Comms Scan Cycle Timer	

Data File B239 (bin) -- NODE STS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B239:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B239:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(1_STS_NODE) Node #1 Status Word
B239:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2_STS_NODE) Node #2 Status Word
B239:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(3_STS_NODE) Node #3 Status Word
B239:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(4_STS_NODE) Node #4 Status Word
B239:5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(5_STS_NODE) Node #5 Status Word
B239:6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(6_STS_NODE) Node #6 Status Word
B239:7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(7_STS_NODE) Node #7 Status Word
B239:8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(8_STS_NODE) Node #8 Status Word
B239:9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(9_STS_NODE) Node #9 Status Word
B239:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(10_STS_NODE) Node #10 Status Word
B239:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11_STS_NODE) Node #11 Status Word
B239:12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12_STS_NODE) Node #12 Status Word
B239:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(13_STS_NODE) Node #13 Status Word
B239:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14_STS_NODE) Node #14 Status Word
B239:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15_STS_NODE) Node #15 Status Word
B239:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(16_STS_NODE) Node #16 Status Word
B239:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(17_STS_NODE) Node #17 Status Word
B239:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_STS_NODE) Node #18 Status Word
B239:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_STS_NODE) Node #19 Status Word
B239:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_STS_NODE) Node #20 Status Word
B239:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_STS_NODE) Node #21 Status Word
B239:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_STS_NODE) Node #22 Status Word
B239:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_STS_NODE) Node #23 Status Word
B239:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(24_STS_NODE) Node #24 Status Word
B239:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(25_STS_NODE) Node #25 Status Word
B239:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(26_STS_NODE) Node #26 Status Word
B239:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(27_STS_NODE) Node #27 Status Word
B239:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(28_STS_NODE) Node #28 Status Word
B239:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(29_STS_NODE) Node #29 Status Word
B239:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(30_STS_NODE) Node #30 Status Word
B239:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File B240 (bin) -- NODE CTRL

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B240:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_NODE_ENABL_1_15) Enable Nodes 1-15
B240:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_NODE_ENABL_16_30) Enable Nodes 16-30
B240:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_NODE_PRMSV_1_15) Disable Operator Screen
B240:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_NODE_PRMSV_16_30) Disable Operator Screen
B240:4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	(CMD_CURRNT_SCRN_NMBR) Current Screen Number f

Data File N241 (dec) -- NODE MISC

Offset	0	1	2	3	4	5	6	7	8	9
N241:0	17	9	17	0	1230	0	17			

Data File MG248 -- PF400 MSG

Offset	IA	RBL	LBN	RBN	CHN	NOD	MTO	NB	TFT	TFN	ELE	SEL	BK	TO	CO	E
MG248:0	31134	0	0	0	0	9	5	32	0	31	0	0	0	0	0	
MG248:1	31198	0	0	0	0	9	5	27	0	63	0	0	0	0	0	
MG248:2	31274	0	0	0	0	9	5	9	0	101	0	0	0	0	0	
MG248:3	31298	0	0	0	0	9	5	32	0	141	0	0	0	0	0	
MG248:4	31362	0	0	0	0	9	5	28	0	173	0	0	0	0	0	
MG248:5	31434	0	0	0	0	9	5	32	0	221	0	0	0	0	0	
MG248:6	31498	0	0	0	0	9	5	2	0	253	0	0	0	0	0	
MG248:7	31134	0	0	0	0	100	5	13	0	31	0	0	0	0	0	
MG248:8	31174	0	0	0	0	100	5	32	0	51	0	0	0	0	0	
MG248:9	31238	0	0	0	0	100	5	7	0	83	0	0	0	0	0	
MG248:10	31274	0	0	0	0	100	5	9	0	101	0	0	0	0	0	
MG248:11	31298	0	0	0	0	100	5	20	0	141	0	0	0	0	0	
MG248:12	31342	0	0	0	0	100	5	32	0	163	0	0	0	0	0	
MG248:13	31406	0	0	0	0	100	5	6	0	195	0	0	0	0	0	
MG248:14	31434	0	0	0	0	100	5	32	0	221	0	0	0	0	0	
MG248:15	31498	0	0	0	0	100	5	2	0	253	0	0	0	0	0	

Offset	LEN	String Text	(Symbol)	Description
ST253:0	16	Node # = +01-16		
ST253:1	14	OK to Restore		
ST253:2	9	Restore #		
ST253:3	13	Good Restore		
ST253:4	8	Failed!		
ST253:5	14	ESC to Return		
ST253:6	16	No Backup Exists		
ST253:7	11	for Node #		
ST253:8	14	Node Mismatch		
ST253:9	16	Default Node#100		
ST253:10	13	Bad Response		
ST253:11	16	Backup = +00001		
ST253:12	16	Restore = +00002		
ST253:13	13	OK to Backup		
ST253:14	13	Unknown Node		
ST253:15	14	Power Cycle #		
ST253:16	12	Good Backup		
ST253:17	9	Backup #		

Data File MG254 -- PB&R MSG

Offset	IA	RBL	LBN	RBN	CHN	NOD	MTO	NB	TFT	TFN	ELE	SEL	BK	TO	CO	E
MG254:0	31120	0	0	0	0	9	2	1	0	16385	0	0	0	0	0	
MG254:1	31626	0	0	0	0	9	2	1	0	16385	0	0	0	0	0	
MG254:2	31626	0	0	0	0	100	2	1	0	16385	0	0	0	0	0	

Data File N255 (dec) -- PB&R PARAM

Offset	0	1	2	3	4	5	6	7	8	9
N255:0	0	0	2009	6	17	12	47	50	230	60
N255:10	27	200	500	5	0	5	750	750	0	0
N255:20	0	0	0	0	0	0	0	0	18	0
N255:30	0	0	6	20	0	0	0	0	0	0
N255:40	0	0	2	0	0	0	1	0	1000	1
N255:50	1	0	1000	0	0	100	0	150	0	0
N255:60	100	0	1	100	0	0	0	0	0	0
N255:70	0	0	0	0	0	0	0	0	1	0
N255:80	3	9	0	10	1	0	0	0	0	0
N255:90	50	0	0	50	100	200	500	500	20	600
N255:100	0	1	0	200	20	0	250	0	200	300
N255:110	0	0	0	10	0	1	0	40	1	4
N255:120	25	250	150	230	20	0	12	0	264	264
N255:130	0	3	0	0	0	0	1	0	0	0
N255:140	0	0	0	1	0	1024	0	0	4	27
N255:150	0	0	0	0	0	0	0	0	23	0
N255:160	0	23	0	0	23	0	0	23	0	0
N255:170	23	0	0	23	0	0	0	1	500	250
N255:180	0	500	250	0	500	250	0	50	30	50
N255:190	0	500	0	0	0	0	0	0	0	0
N255:200	0	0	0	0	0	0	0	0	0	0
N255:210	0	0	0	0	0	0	0	0	0	0
N255:220	0	0	0	0	0	0	0	0	0	0
N255:230	0	0	0	0	0	0	0	0	0	0
N255:240	0	0	0	0	0	0	0	0	0	0
N255:250	0	0	0	0	0	0				

Address (Symbol) = Value [Description]

Address/Symbol Database

Address	Symbol	Scope	Description
B3:0/0			Machine Running Bit
B3:0/1			Machine Stopping Bit
B3:0/8			Machine Stopping Bit
B228:0	STS_PCDRV_NUMBER	Global	Drive Number Data to Display
B228:1	STS_PCSPEED_DIVISR	Global	Speed Display Divisor
B228:2	STS_PCAMPS_DIVISR	Global	Amperage Display Divisor
B228:3	STS_PCVOLTS_DIVISR	Global	Voltage Display Divisor
B228:4	STS_PCDCBUSV_DIVISR	Global	DC Bus Voltage Display Divisor
B228:5	STS_PCSCRN	Global	Current Screen Control Status
B228:5/0	STS_PCSCRN_OPER	Global	Screen Mode Operator Oper(=1)/Prog(=0)
B228:5/1	STS_PCSCRN_PROG	Global	Screen Mode Program Oper(=0)/Prog(=1)
B228:5/2	STS_PCSCRN_PROG_PRS	Global	Screen Mode Program AND Pressure Control Enabled
B228:5/3	STS_PCSCRN_PRG_MANSP	Global	Screen Mode Program AND Manual Setpoint Enabled
B228:5/4	STS_PCSCRN_OPER_DFLT	Global	Screen Mode Operator AND Drv Faulted=1
B228:5/5	STS_PCSCRN_OPER_PFLT	Global	Screen Mode Operator AND Pump Faulted
B228:5/6	STS_PCSCRN_DFLT	Global	Drv Faulted=1 AND Pump NOT Faulted
B228:5/7	STS_PCSCRN_OPER_STOP	Global	Screen Mode Operator AND Drv Stopped=1
B228:5/8	STS_PCSCRN_PRG_SPDRF	Global	Screen Mode Program AND Program Speed Reference Enabled
B228:5/9	STS_PCSCRN_FLT	Global	Drv Faulted=1 AND/OR Pump Faulted
B228:6	STS_PCNDSTS	Global	Current Screen Node Status
B228:6/0	STS_PCNDSTS_ENABLED	Global	Displayed Drive Enabled (=1)
B228:6/1	STS_PCNDSTS_RSPNDING	Global	Displayed Drive Responding (=1)
B228:6/2	STS_PCNDSTS_READY	Global	Displayed Drive Ready (=1)
B228:6/3	STS_PCNDSTS_RUNNING	Global	Displayed Drive Running (=1)
B228:6/4	STS_PCNDSTS_FAULTED	Global	Displayed Drive Faulted (=1)
B228:7	STS_PCDRV_TYPE	Global	PF4 Class Drive Type
B228:8	STS_PCSTS	Global	Logic Status
B228:8/0	STS_PCSTS_READY	Global	Ready (=1)
B228:8/1	STS_PCSTS_ACTIV	Global	Active (=1)
B228:8/2	STS_PCSTS_CMDDIR	Global	Commanded Direction (1=FWD, 0=REV)
B228:8/3	STS_PCSTS_ROTDIR	Global	Rotating Direction (1=FWD, 0=REV)
B228:8/4	STS_PCSTS_ACCEL	Global	Accelerating (=1)
B228:8/5	STS_PCSTS_DECEL	Global	Decelerating (=1)
B228:8/6	STS_PCSTS_ALARM	Global	In Alarm (=1)
B228:8/7	STS_PCSTS_FAULT	Global	Faulted (=1)
B228:8/8	STS_PCSTS_ATREF	Global	At Reference (=1)
B228:8/9	STS_PCSTS_REFCC	Global	Reference Controlled by Comm
B228:8/10	STS_PCSTS_CMDCC	Global	Operation Cmd Controlled by Comm
B228:8/11	STS_PCSTS_PARLK	Global	Parameters have been locked
B228:8/12	STS_PCSTS_INP1	Global	Digital Input 1 Status
B228:8/13	STS_PCSTS_INP2	Global	Digital Input 2 Status
B228:8/14	STS_PCSTS_INP3	Global	Digital Input 3 Status
B228:8/15	STS_PCSTS_INP4	Global	Digital Input 4 Status
B228:9	STS_PCFault_CODE	Global	Fault Code
B228:10	STS_PCPREF_SPEED	Global	Commanded Speed
B228:11	STS_PCSPEED_FDBCK	Global	Speed Feedback
B228:12	STS_PCOUPTPT_CURRNT	Global	Output Current
B228:13	STS_PCDCBUS_VOLTAG	Global	DC Bus Voltage
B228:14	STS_PCOUPTPT_VOLTAG	Global	Output Voltage
B228:15	STS_PCANALOG_IN_1	Global	Analog Inp 1
B228:16	STS_PCOUTPUT_POWER	Global	Output Power
B228:17	STS_P34_MIN_FREQ	Global	Min Freq
B228:18	STS_P35_MAX_FREQ	Global	Max Freq
B228:19	STS_P39_ACCEL_TM1	Global	Accel Time 1
B228:20	STS_P40_DECEL_TM1	Global	Decel Time 1
B228:21	STS_P152_PID_REF	Global	PID Ref Sel
B228:22	STS_P154_PID_PROP	Global	PID Prop Gain
B228:23	STS_P155_PID_INTG	Global	PID Integ Gain
B228:24	STS_P156_PID_DIFF	Global	PID Diff Rate
B228:25	STS_P157_PID_SETP	Global	PID Setpoint
B228:26	STS_P158_PID_DBND	Global	PID Deadband
B228:27	STS_P159_PID_PRLD	Global	PID Preload
B228:28	STS_PCCND	Global	Pump Condition
B228:28/0	STS_PCCND_READY	Global	Pump Ready
B228:28/1	STS_PCCND_RUN	Global	Pump Running
B228:28/2	STS_PCCND_BOOST	Global	Pump Boosting Pressure
B228:28/3	STS_PCCND_SLEEP	Global	Pump in Sleep Mode
B228:28/4	STS_PCCND_LOFLO	Global	Low/No-Flow Condition Detected
B228:28/5	STS_PCCND_DRYPMP	Global	Dry Pump Condition Detected
B228:28/6	STS_PCCND_RUNOUT	Global	Run-Out Condition Detected
B228:28/7	STS_PCCND_PMPFLT	Global	Pump Faulted
B228:28/8	STS_PCCND_STOP	Global	Pump Stop Request
B228:28/9	STS_PCCND_START	Global	Pump Start Request
B228:28/10	STS_PCCND_FLOCOMP	Global	Flow Compensation Active
B228:28/11	STS_PCCND_STOPACT	Global	Stop Active (Stopping)
B228:29	STS_PCERROR_CODE	Global	Pump Error Code
B228:30	STS_PCSLEEP_SEQ	Global	Sleep Sequence
B228:31			
B228:32	STS_PCANALGIN_DIVISR	Global	Analog Inp 1 Display Divisor
B228:33	STS_PCOUPTWR_DIVISR	Global	Output Power Display Divisor
B228:34	STS_PCMINFRQ_DIVISR	Global	Min Freq Display Divisor
B228:35	STS_PCMAFRQ_DIVISR	Global	Max Freq Display Divisor
B228:36	STS_PCACCTIM_DIVISR	Global	Accel Time 1 Display Divisor
B228:37	STS_PCDECTIM_DIVISR	Global	Decel Time 1 Display Divisor

Address/Symbol Database

Address	Symbol	Scope	Description
B228:38	STS_PCPIDPROP_DIVSR	Global	PID Prop Gain Display Divisor
B228:39	STS_PCPIDINTG_DIVSR	Global	PID Integ Gain Display Divisor
B228:40	STS_PCPIDDIFF_DIVSR	Global	PID Diff Rate Display Divisor
B228:41	STS_PCPIDSETP_DIVSR	Global	PID Setpoint Display Divisor
B228:42	STS_PCPIDBND_DIVSR	Global	PID Deadband Display Divisor
B228:43	STS_PCPIDPRLD_DIVSR	Global	PID Preload Display Divisor
B228:49	STS_PCFAULT_DISPLAY	Global	Fault Display Word - Displays Both Drive & Pump Faults
B228:50	9_STS_PCDRV_TYPE	Global	Drv #9 PF4 Class Drive Type
B228:51	9_STS_PCSTS	Global	Drv #9 Logic Status
B228:51/0	9_STS_PCSTS_READY	Global	Drv #9 Ready
B228:51/1	9_STS_PCSTS_ACTIV	Global	Drv #9 Active
B228:51/2	9_STS_PCSTS_CMDDIR	Global	Drv #9 Commanded Direction (1=FWD, 0=REV)
B228:51/3	9_STS_PCSTS_ROTDIR	Global	Drv #9 Rotating Direction (1=FWD, 0=REV)
B228:51/4	9_STS_PCSTS_ACCEL	Global	Drv #9 Accelerating
B228:51/5	9_STS_PCSTS_DECEL	Global	Drv #9 Decelerating
B228:51/6	9_STS_PCSTS_ALARM	Global	Drv #9 Alarm
B228:51/7	9_STS_PCSTS_FAULT	Global	Drv #9 Faulted
B228:51/8	9_STS_PCSTS_ATREF	Global	Drv #9 At Reference
B228:51/9	9_STS_PCSTS_REFCC	Global	Drv #9 Reference Controlled by Comm
B228:51/10	9_STS_PCSTS_CMDCC	Global	Drv #9 Operation Cmd Controlled by Comm
B228:51/11	9_STS_PCSTS_PARLK	Global	Drv #9 Parameters have been locked
B228:51/12	9_STS_PCSTS_DGIN1	Global	Drv #9 Digital Input 1 Status
B228:51/13	9_STS_PCSTS_DGIN2	Global	Drv #9 Digital Input 2 Status
B228:51/14	9_STS_PCSTS_DGIN3	Global	Drv #9 Digital Input 3 Status
B228:51/15	9_STS_PCSTS_DGIN4	Global	Drv #9 Digital Input 4 Status
B228:52	9_STS_FAULT_CODE	Global	Drv #9 Fault Code
B228:53	9_STS_CMD_SPEED	Global	Drv #9 Commanded Speed
B228:54	9_STS_SPEED_FDBCK	Global	Drv #9 Speed Feedback
B228:55	9_STS_OUTPT_CURRNT	Global	Drv #9 Output Current
B228:56	9_STS_DCBUS_VOLTAG	Global	Drv #9 DC Bus Voltage
B228:57	9_STS_OUTPT_VOLTAG	Global	Drv #9 Output Voltage
B228:58	9_STS_ANALOG_IN_1	Global	Drv #9 Analog Inp 1
B228:59	9_STS_OUTPUT_POWER	Global	Drv #9 Output Power
B228:60	9_STS_P34_MIN_FREQ	Global	Drv #9 Min Freq
B228:61	9_STS_P35_MAX_FREQ	Global	Drv #9 Max Freq
B228:62	9_STS_P39_ACCEL_TM1	Global	Drv #9 Accel Time 1
B228:63	9_STS_P40_DECEL_TM1	Global	Drv #9 Decel Time 1
B228:64	9_STS_P152_PID_REF	Global	Drv #9 PID Ref Sel
B228:65	9_STS_P154_PID_PROP	Global	Drv #9 PID Prop Gain
B228:66	9_STS_P155_PID_INTG	Global	Drv #9 PID Integ Gain
B228:67	9_STS_P156_PID_DIFF	Global	Drv #9 PID Diff Rate
B228:68	9_STS_P157_PID_SETP	Global	Drv #9 PID Setpoint
B228:69	9_STS_P158_PID_DBND	Global	Drv #9 PID Deadband
B228:70	9_STS_P159_PID_PRLD	Global	Drv #9 PID Preload
B228:71	9_STS_PCCND	Global	Drv #9 Pump Condition
B228:71/0	9_STS_PCCND_READY	Global	Drv #9 Pump Ready
B228:71/1	9_STS_PCCND_RUN	Global	Drv #9 Pump Running
B228:71/2	9_STS_PCCND_BOOST	Global	Drv #9 Pump Boosting Pressure
B228:71/3	9_STS_PCCND_SLEEP	Global	Drv #9 Pump in Sleep Mode
B228:71/4	9_STS_PCCND_LOFLO	Global	Drv #9 Low/No-Flow Condition Detected
B228:71/5	9_STS_PCCND_DRYPMP	Global	Drv #9 Dry Pump Condition Detected
B228:71/6	9_STS_PCCND_RUNOUT	Global	Drv #9 Run-Out Condition Detected
B228:71/7	9_STS_PCCND_PMPFLT	Global	Drv #9 Pump Faulted
B228:71/8	9_STS_PCCND_STOP	Global	Drv #9 Pump Stop Request
B228:71/9	9_STS_PCCND_START	Global	Drv #9 Pump Start Request
B228:71/10	9_STS_PCCND_FLOCMP	Global	Drv #9 Flow Compensation Active
B228:71/11	9_STS_PCCND_STOPACT	Global	Drv #9 Stop Active (Stopping)
B228:72	9_STS_ERROR_CODE	Global	Drv #9 Pump Error Code
B228:73	9_STS_PCSLEEP_SEQ	Global	Drv #9 Sleep Sequence
B228:74			Drv #9 Toggle Bit Word
B228:74/0			Drv #9 Analog Input / Output Power Toggle
B228:75	10_STS_PCDRV_TYPE	Global	Drv #10 PF4 Class Drive Type
B228:76	10_STS_PCSTS	Global	Drv #10 Logic Status
B228:76/0	10_STS_PCSTS_READY	Global	Drv #10 Ready
B228:76/1	10_STS_PCSTS_ACTIV	Global	Drv #10 Active
B228:76/2	10_STS_PCSTS_CMDDIR	Global	Drv #10 Commanded Direction (1=FWD, 0=REV)
B228:76/3	10_STS_PCSTS_ROTDIR	Global	Drv #10 Rotating Direction (1=FWD, 0=REV)
B228:76/4	10_STS_PCSTS_ACCEL	Global	Drv #10 Accelerating
B228:76/5	10_STS_PCSTS_DECEL	Global	Drv #10 Decelerating
B228:76/6	10_STS_PCSTS_ALARM	Global	Drv #10 Alarm
B228:76/7	10_STS_PCSTS_FAULT	Global	Drv #10 Faulted
B228:76/8	10_STS_PCSTS_ATREF	Global	Drv #10 At Reference
B228:76/9	10_STS_PCSTS_REFCC	Global	Drv #10 Reference Controlled by Comm
B228:76/10	10_STS_PCSTS_CMDCC	Global	Drv #10 OperationCmd Controlled by Comm
B228:76/11	10_STS_PCSTS_PARLK	Global	Drv #10 Parameters have been locked
B228:76/12	10_STS_PCSTS_DGIN1	Global	Drv #10 Digital Input 1 Status
B228:76/13	10_STS_PCSTS_DGIN2	Global	Drv #10 Digital Input 2 Status
B228:76/14	10_STS_PCSTS_DGIN3	Global	Drv #10 Digital Input 3 Status
B228:76/15	10_STS_PCSTS_DGIN4	Global	Drv #10 Digital Input 4 Status
B228:77	10_STS_FAULT_CODE	Global	Drv #10 Fault Code
B228:78	10_STS_CMD_SPEED	Global	Drv #10 Commanded Speed
B228:79	10_STS_SPEED_FDBCK	Global	Drv #10 Speed Feedback
B228:80	10_STS_OUTPT_CURRNT	Global	Drv #10 Output Current
B228:81	10_STS_DCBUS_VOLTAG	Global	Drv #10 DC Bus Voltage

Address/Symbol Database

Address	Symbol	Scope	Description
B228:82	10_STS_OUTPT_VOLTAG	Global	Drv #10 Output Voltage
B228:83	10_STS_ANALOG_IN_1	Global	Drv #10 Analog Inp 1
B228:84	10_STS_OUTPUT_POWER	Global	Drv #10 Output Power
B228:85	10_STS_P34_MIN_FREQ	Global	Drv #10 Min Freq
B228:86	10_STS_P35_MAX_FREQ	Global	Drv #10 Max Freq
B228:87	10_STS_P39_ACCEL_TM1	Global	Drv #10 Accel Time 1
B228:88	10_STS_P40_DECEL_TM1	Global	Drv #10 Decel Time 1
B228:89	10_STS_P152_PID_REF	Global	Drv #10 PID Ref Sel
B228:90	10_STS_P154_PID_PROP	Global	Drv #10 PID Prop Gain
B228:91	10_STS_P155_PID_INTG	Global	Drv #10 PID Integ Gain
B228:92	10_STS_P156_PID_DIFF	Global	Drv #10 PID Diff Rate
B228:93	10_STS_P157_PID_SETP	Global	Drv #10 PID Setpoint
B228:94	10_STS_P158_PID_DBND	Global	Drv #10 PID Deadband
B228:95	10_STS_P159_PID_PRLD	Global	Drv #10 PID Preload
B228:96	10_STS_PCCND	Global	Drv #10 Pump Condition
B228:96/0	10_STS_PCCND_READY	Global	Drv #10 Pump Ready
B228:96/1	10_STS_PCCND_RUN	Global	Drv #10 Pump Running
B228:96/2	10_STS_PCCND_BOOST	Global	Drv #10 Pump Boosting Pressure
B228:96/3	10_STS_PCCND_SLEEP	Global	Drv #10 Pump in Sleep Mode
B228:96/4	10_STS_PCCND_LOFLO	Global	Drv #10 Low/No-Flow Condition Detected
B228:96/5	10_STS_PCCND_DRYPMP	Global	Drv #10 Dry Pump Condition Detected
B228:96/6	10_STS_PCCND_RUNOUT	Global	Drv #10 Run-Out Condition Detected
B228:96/7	10_STS_PCCND_PMPFLT	Global	Drv #10 Pump Faulted
B228:96/8	10_STS_PCCND_STOP	Global	Drv #10 Pump Stop Request
B228:96/9	10_STS_PCCND_START	Global	Drv #10 Pump Start Request
B228:96/10	10_STS_PCCND_FLOCMP	Global	Drv #10 Flow Compensation Active
B228:96/11	10_STS_PCCND_STOPACT	Global	Drv #10 Stop Active (Stopping)
B228:97	10_STS_ERROR_CODE	Global	Drv #10 Pump Error Code
B228:98	10_STS_PCSLEEP_SEQ	Global	Drv #10 Sleep Sequence
B228:99			Drv #10 Toggle Bit Word
B228:99/0			Drv #10 Analog Input / Output Power Toggle
B228:100	11_STS_PCDRV_TYPE	Global	Drv #11 PF4 Class Drive Type
B228:101	11_STS_PCSTS	Global	Drv #11 Logic Status
B228:101/0	11_STS_PCSTS_READY	Global	Drv #11 Ready
B228:101/1	11_STS_PCSTS_ACTIV	Global	Drv #11 Active
B228:101/2	11_STS_PCSTS_CMDDIR	Global	Drv #11 Commanded Direction (1=FWD, 0=REV)
B228:101/3	11_STS_PCSTS_ROTDIR	Global	Drv #11 Rotating Direction (1=FWD, 0=REV)
B228:101/4	11_STS_PCSTS_ACCEL	Global	Drv #11 Accelerating
B228:101/5	11_STS_PCSTS_DECEL	Global	Drv #11 Decelerating
B228:101/6	11_STS_PCSTS_ALARM	Global	Drv #11 Alarm
B228:101/7	11_STS_PCSTS_FAULT	Global	Drv #11 Faulted
B228:101/8	11_STS_PCSTS_ATREF	Global	Drv #11 At Reference
B228:101/9	11_STS_PCSTS_REFCC	Global	Drv #11 Reference Controlled by Comm
B228:101/10	11_STS_PCSTS_CMDCC	Global	Drv #11 OperationCmd Controlled by Comm
B228:101/11	11_STS_PCSTS_PARLK	Global	Drv #11 Parameters have been locked
B228:101/12	11_STS_PCSTS_DGIN1	Global	Drv #11 Digital Input 1 Status
B228:101/13	11_STS_PCSTS_DGIN2	Global	Drv #11 Digital Input 2 Status
B228:101/14	11_STS_PCSTS_DGIN3	Global	Drv #11 Digital Input 3 Status
B228:101/15	11_STS_PCSTS_DGIN4	Global	Drv #11 Digital Input 4 Status
B228:102	11_STS_FAULT_CODE	Global	Drv #11 Fault Code
B228:103	11_STS_CMD_SPEED	Global	Drv #11 Commanded Speed
B228:104	11_STS_SPEED_FDBCK	Global	Drv #11 Speed Feedback
B228:105	11_STS_OUTPT_CURRNT	Global	Drv #11 Output Current
B228:106	11_STS_DCBUS_VOLTAG	Global	Drv #11 DC Bus Voltage
B228:107	11_STS_OUTPT_VOLTAG	Global	Drv #11 Output Voltage
B228:108	11_STS_ANALOG_IN_1	Global	Drv #11 Analog Inp 1
B228:109	11_STS_OUTPUT_POWER	Global	Drv #11 Output Power
B228:110	11_STS_P34_MIN_FREQ	Global	Drv #11 Min Freq
B228:111	11_STS_P35_MAX_FREQ	Global	Drv #11 Max Freq
B228:112	11_STS_P39_ACCEL_TM1	Global	Drv #11 Accel Time 1
B228:113	11_STS_P40_DECEL_TM1	Global	Drv #11 Decel Time 1
B228:114	11_STS_P152_PID_REF	Global	Drv #11 PID Ref Sel
B228:115	11_STS_P154_PID_PROP	Global	Drv #11 PID Prop Gain
B228:116	11_STS_P155_PID_INTG	Global	Drv #11 PID Integ Gain
B228:117	11_STS_P156_PID_DIFF	Global	Drv #11 PID Diff Rate
B228:118	11_STS_P157_PID_SETP	Global	Drv #11 PID Setpoint
B228:119	11_STS_P158_PID_DBND	Global	Drv #11 PID Deadband
B228:120	11_STS_P159_PID_PRLD	Global	Drv #11 PID Preload
B228:121	11_STS_PCCND	Global	Drv #11 Pump Condition
B228:121/0	11_STS_PCCND_READY	Global	Drv #11 Pump Ready
B228:121/1	11_STS_PCCND_RUN	Global	Drv #11 Pump Running
B228:121/2	11_STS_PCCND_BOOST	Global	Drv #11 Pump Boosting Pressure
B228:121/3	11_STS_PCCND_SLEEP	Global	Drv #11 Pump in Sleep Mode
B228:121/4	11_STS_PCCND_LOFLO	Global	Drv #11 Low/No-Flow Condition Detected
B228:121/5	11_STS_PCCND_DRYPMP	Global	Drv #11 Dry Pump Condition Detected
B228:121/6	11_STS_PCCND_RUNOUT	Global	Drv #11 Run-Out Condition Detected
B228:121/7	11_STS_PCCND_PMPFLT	Global	Drv #11 Pump Faulted
B228:121/8	11_STS_PCCND_STOP	Global	Drv #11 Pump Stop Request
B228:121/9	11_STS_PCCND_START	Global	Drv #11 Pump Start Request
B228:121/10	11_STS_PCCND_FLOCMP	Global	Drv #11 Flow Compensation Active
B228:121/11	11_STS_PCCND_STOPACT	Global	Drv #11 Stop Active (Stopping)
B228:122	11_STS_ERROR_CODE	Global	Drv #11 Pump Error Code
B228:123	11_STS_PCSLEEP_SEQ	Global	Drv #11 Sleep Sequence
B228:124			Drv #11 Toggle Bit Word

Address/Symbol Database

Address	Symbol	Scope	Description
B228:124/0			Drv #11 Analog Input / Output Power Toggle
B228:125	12_STS_PCDRV_TYPE	Global	Drv #12 PF4 Class Drive Type
B228:126	12_STS_PCSTS	Global	Drv #12 Logic Status
B228:126/0	12_STS_PCSTS_READY	Global	Drv #12 Ready
B228:126/1	12_STS_PCSTS_ACTIV	Global	Drv #12 Active
B228:126/2	12_STS_PCSTS_CMDDIR	Global	Drv #12 Commanded Direction (1=FWD, 0=REV)
B228:126/3	12_STS_PCSTS_ROTDIR	Global	Drv #12 Rotating Direction (1=FWD, 0=REV)
B228:126/4	12_STS_PCSTS_ACCEL	Global	Drv #12 Accelerating
B228:126/5	12_STS_PCSTS_DECEL	Global	Drv #12 Decelerating
B228:126/6	12_STS_PCSTS_ALARM	Global	Drv #12 Alarm
B228:126/7	12_STS_PCSTS_FAULT	Global	Drv #12 Faulted
B228:126/8	12_STS_PCSTS_ATREF	Global	Drv #12 At Reference
B228:126/9	12_STS_PCSTS_REFCC	Global	Drv #12 Reference Controlled by Comm
B228:126/10	12_STS_PCSTS_CMDCC	Global	Drv #12 OperationCmd Controlled by Comm
B228:126/11	12_STS_PCSTS_PARLK	Global	Drv #12 Parameters have been locked
B228:126/12	12_STS_PCSTS_DGIN1	Global	Drv #12 Digital Input 1 Status
B228:126/13	12_STS_PCSTS_DGIN2	Global	Drv #12 Digital Input 2 Status
B228:126/14	12_STS_PCSTS_DGIN3	Global	Drv #12 Digital Input 3 Status
B228:126/15	12_STS_PCSTS_DGIN4	Global	Drv #12 Digital Input 4 Status
B228:127	12_STS_FAULT_CODE	Global	Drv #12 Fault Code
B228:128	12_STS_CMD_SPEED	Global	Drv #12 Commanded Speed
B228:129	12_STS_SPEED_FDBCK	Global	Drv #12 Speed Feedback
B228:130	12_STS_OUTPT_CURRNT	Global	Drv #12 Output Current
B228:131	12_STS_DCBUS_VOLTAG	Global	Drv #12 DC Bus Voltage
B228:132	12_STS_OUTPT_VOLTAG	Global	Drv #12 Output Voltage
B228:133	12_STS_ANALOG_IN_1	Global	Drv #12 Analog Inp 1
B228:134	12_STS_OUTPUT_POWER	Global	Drv #12 Output Power
B228:135	12_STS_P34_MIN_FREQ	Global	Drv #12 Min Freq
B228:136	12_STS_P35_MAX_FREQ	Global	Drv #12 Max Freq
B228:137	12_STS_P39_ACCEL_TM1	Global	Drv #12 Accel Time 1
B228:138	12_STS_P40_DECEL_TM1	Global	Drv #12 Decel Time 1
B228:139	12_STS_P152_PID_REF	Global	Drv #12 PID Ref Sel
B228:140	12_STS_P154_PID_PROP	Global	Drv #12 PID Prop Gain
B228:141	12_STS_P155_PID_INTG	Global	Drv #12 PID Integ Gain
B228:142	12_STS_P156_PID_DIFF	Global	Drv #12 PID Diff Rate
B228:143	12_STS_P157_PID_SETP	Global	Drv #12 PID Setpoint
B228:144	12_STS_P158_PID_DBND	Global	Drv #12 PID Deadband
B228:145	12_STS_P159_PID_PRLD	Global	Drv #12 PID Preload
B228:146	12_STS_PCCND	Global	Drv #12 Pump Condition
B228:146/0	12_STS_PCCND_READY	Global	Drv #12 Pump Ready
B228:146/1	12_STS_PCCND_RUN	Global	Drv #12 Pump Running
B228:146/2	12_STS_PCCND_BOOST	Global	Drv #12 Pump Boosting Pressure
B228:146/3	12_STS_PCCND_SLEEP	Global	Drv #12 Pump in Sleep Mode
B228:146/4	12_STS_PCCND_LOFLO	Global	Drv #12 Low/No-Flow Condition Detected
B228:146/5	12_STS_PCCND_DRYPMP	Global	Drv #12 Dry Pump Condition Detected
B228:146/6	12_STS_PCCND_RUNOUT	Global	Drv #12 Run-Out Condition Detected
B228:146/7	12_STS_PCCND_PMPFLT	Global	Drv #12 Pump Faulted
B228:146/8	12_STS_PCCND_STOP	Global	Drv #12 Pump Stop Request
B228:146/9	12_STS_PCCND_START	Global	Drv #12 Pump Start Request
B228:146/10	12_STS_PCCND_FLOCMP	Global	Drv #12 Flow Compensation Active
B228:146/11	12_STS_PCCND_STOPACT	Global	Drv #12 Stop Active (Stopping)
B228:147	12_STS_ERROR_CODE	Global	Drv #12 Pump Error Code
B228:148	12_STS_PCSLEEP_SEQ	Global	Drv #12 Sleep Sequence
B228:149			Drv #12 Toggle Bit Word
B228:149/0			Drv #12 Analog Input / Output Power Toggle
B228:150	13_STS_PCDRV_TYPE	Global	Drv #13 PF4 Class Drive Type
B228:151	13_STS_PCSTS	Global	Drv #13 Logic Status
B228:151/0	13_STS_PCSTS_READY	Global	Drv #13 Ready
B228:151/1	13_STS_PCSTS_ACTIV	Global	Drv #13 Active
B228:151/2	13_STS_PCSTS_CMDDIR	Global	Drv #13 Commanded Direction (1=FWD, 0=REV)
B228:151/3	13_STS_PCSTS_ROTDIR	Global	Drv #13 Rotating Direction (1=FWD, 0=REV)
B228:151/4	13_STS_PCSTS_ACCEL	Global	Drv #13 Accelerating
B228:151/5	13_STS_PCSTS_DECEL	Global	Drv #13 Decelerating
B228:151/6	13_STS_PCSTS_ALARM	Global	Drv #13 Alarm
B228:151/7	13_STS_PCSTS_FAULT	Global	Drv #13 Faulted
B228:151/8	13_STS_PCSTS_ATREF	Global	Drv #13 At Reference
B228:151/9	13_STS_PCSTS_REFCC	Global	Drv #13 Reference Controlled by Comm
B228:151/10	13_STS_PCSTS_CMDCC	Global	Drv #13 OperationCmd Controlled by Comm
B228:151/11	13_STS_PCSTS_PARLK	Global	Drv #13 Parameters have been locked
B228:151/12	13_STS_PCSTS_DGIN1	Global	Drv #13 Digital Input 1 Status
B228:151/13	13_STS_PCSTS_DGIN2	Global	Drv #13 Digital Input 2 Status
B228:151/14	13_STS_PCSTS_DGIN3	Global	Drv #13 Digital Input 3 Status
B228:151/15	13_STS_PCSTS_DGIN4	Global	Drv #13 Digital Input 4 Status
B228:152	13_STS_FAULT_CODE	Global	Drv #13 Fault Code
B228:153	13_STS_CMD_SPEED	Global	Drv #13 Commanded Speed
B228:154	13_STS_SPEED_FDBCK	Global	Drv #13 Speed Feedback
B228:155	13_STS_OUTPT_CURRNT	Global	Drv #13 Output Current
B228:156	13_STS_DCBUS_VOLTAG	Global	Drv #13 DC Bus Voltage
B228:157	13_STS_OUTPT_VOLTAG	Global	Drv #13 Output Voltage
B228:158	13_STS_ANALOG_IN_1	Global	Drv #13 Analog Inp 1
B228:159	13_STS_OUTPUT_POWER	Global	Drv #13 Output Power
B228:160	13_STS_P34_MIN_FREQ	Global	Drv #13 Min Freq
B228:161	13_STS_P35_MAX_FREQ	Global	Drv #13 Max Freq
B228:162	13_STS_P39_ACCEL_TM1	Global	Drv #13 Accel Time 1

Address/Symbol Database

Address	Symbol	Scope	Description
B228:163	13_STS_P40_DECEL_TM1	Global	Drv #13 Decel Time 1
B228:164	13_STS_P152_PID_REF	Global	Drv #13 PID Ref Sel
B228:165	13_STS_P154_PID_PROP	Global	Drv #13 PID Prop Gain
B228:166	13_STS_P155_PID_INTG	Global	Drv #13 PID Integ Gain
B228:167	13_STS_P156_PID_DIFF	Global	Drv #13 PID Diff Rate
B228:168	13_STS_P157_PID_SETP	Global	Drv #13 PID Setpoint
B228:169	13_STS_P158_PID_DBND	Global	Drv #13 PID Deadband
B228:170	13_STS_P159_PID_PRLD	Global	Drv #13 PID Preload
B228:171	13_STS_PCCND	Global	Drv #13 Pump Condition
B228:171/0	13_STS_PCCND_READY	Global	Drv #13 Pump Ready
B228:171/1	13_STS_PCCND_RUN	Global	Drv #13 Pump Running
B228:171/2	13_STS_PCCND_BOOST	Global	Drv #13 Pump Boosting Pressure
B228:171/3	13_STS_PCCND_SLEEP	Global	Drv #13 Pump in Sleep Mode
B228:171/4	13_STS_PCCND_LOFLO	Global	Drv #13 Low/No-Flow Condition Detected
B228:171/5	13_STS_PCCND_DRYPMP	Global	Drv #13 Dry Pump Condition Detected
B228:171/6	13_STS_PCCND_RUNOUT	Global	Drv #13 Run-Out Condition Detected
B228:171/7	13_STS_PCCND_PMPFLT	Global	Drv #13 Pump Faulted
B228:171/8	13_STS_PCCND_STOP	Global	Drv #13 Pump Stop Request
B228:171/9	13_STS_PCCND_START	Global	Drv #13 Pump Start Request
B228:171/10	13_STS_PCCND_FLOCMP	Global	Drv #13 Flow Compensation Active
B228:171/11	13_STS_PCCND_STOPACT	Global	Drv #13 Stop Active (Stopping)
B228:172	13_STS_ERROR_CODE	Global	Drv #13 Pump Error Code
B228:173	13_STS_PCSLEEP_SEQ	Global	Drv #13 Sleep Sequence
B228:174			Drv #13 Toggle Bit Word
B228:174/0			Drv #13 Analog Input / Output Power Toggle
B228:175	14_STS_PCDRV_TYPE	Global	Drv #14 PF4 Class Drive Type
B228:176	14_STS_PCSTS	Global	Drv #14 Logic Status
B228:176/0	14_STS_PCSTS_READY	Global	Drv #14 Ready
B228:176/1	14_STS_PCSTS_ACTIV	Global	Drv #14 Active
B228:176/2	14_STS_PCSTS_CMDDIR	Global	Drv #14 Commanded Direction (1=FWD, 0=REV)
B228:176/3	14_STS_PCSTS_ROTDIR	Global	Drv #14 Rotating Direction (1=FWD, 0=REV)
B228:176/4	14_STS_PCSTS_ACCEL	Global	Drv #14 Accelerating
B228:176/5	14_STS_PCSTS_DECEL	Global	Drv #14 Decelerating
B228:176/6	14_STS_PCSTS_ALARM	Global	Drv #14 Alarm
B228:176/7	14_STS_PCSTS_FAULT	Global	Drv #14 Faulted
B228:176/8	14_STS_PCSTS_ATREF	Global	Drv #14 At Reference
B228:176/9	14_STS_PCSTS_REFCC	Global	Drv #14 Reference Controlled by Comm
B228:176/10	14_STS_PCSTS_CMDCC	Global	Drv #14 OperationCmd Controlled by Comm
B228:176/11	14_STS_PCSTS_PARLK	Global	Drv #14 Parameters have been locked
B228:176/12	14_STS_PCSTS_DGIN1	Global	Drv #14 Digital Input 1 Status
B228:176/13	14_STS_PCSTS_DGIN2	Global	Drv #14 Digital Input 2 Status
B228:176/14	14_STS_PCSTS_DGIN3	Global	Drv #14 Digital Input 3 Status
B228:176/15	14_STS_PCSTS_DGIN4	Global	Drv #14 Digital Input 4 Status
B228:177	14_STS_FAULT_CODE	Global	Drv #14 Fault Code
B228:178	14_STS_CMD_SPEED	Global	Drv #14 Commanded Speed
B228:179	14_STS_SPEED_FDBCK	Global	Drv #14 Speed Feedback
B228:180	14_STS_OUTPT_CURRNT	Global	Drv #14 Output Current
B228:181	14_STS_DCBUS_VOLTAG	Global	Drv #14 DC Bus Voltage
B228:182	14_STS_OUTPT_VOLTAG	Global	Drv #14 Output Voltage
B228:183	14_STS_ANALOG_IN_1	Global	Drv #14 Analog Inp 1
B228:184	14_STS_OUTPUT_POWER	Global	Drv #14 Output Power
B228:185	14_STS_P34_MIN_FREQ	Global	Drv #14 Min Freq
B228:186	14_STS_P35_MAX_FREQ	Global	Drv #14 Max Freq
B228:187	14_STS_P39_ACCEL_TM1	Global	Drv #14 Accel Time 1
B228:188	14_STS_P40_DECEL_TM1	Global	Drv #14 Decel Time 1
B228:189	14_STS_P152_PID_REF	Global	Drv #14 PID Ref Sel
B228:190	14_STS_P154_PID_PROP	Global	Drv #14 PID Prop Gain
B228:191	14_STS_P155_PID_INTG	Global	Drv #14 PID Integ Gain
B228:192	14_STS_P156_PID_DIFF	Global	Drv #14 PID Diff Rate
B228:193	14_STS_P157_PID_SETP	Global	Drv #14 PID Setpoint
B228:194	14_STS_P158_PID_DBND	Global	Drv #14 PID Deadband
B228:195	14_STS_P159_PID_PRLD	Global	Drv #14 PID Preload
B228:196	14_STS_PCCND	Global	Drv #14 Pump Condition
B228:196/0	14_STS_PCCND_READY	Global	Drv #14 Pump Ready
B228:196/1	14_STS_PCCND_RUN	Global	Drv #14 Pump Running
B228:196/2	14_STS_PCCND_BOOST	Global	Drv #14 Pump Boosting Pressure
B228:196/3	14_STS_PCCND_SLEEP	Global	Drv #14 Pump in Sleep Mode
B228:196/4	14_STS_PCCND_LOFLO	Global	Drv #14 Low/No-Flow Condition Detected
B228:196/5	14_STS_PCCND_DRYPMP	Global	Drv #14 Dry Pump Condition Detected
B228:196/6	14_STS_PCCND_RUNOUT	Global	Drv #14 Run-Out Condition Detected
B228:196/7	14_STS_PCCND_PMPFLT	Global	Drv #14 Pump Faulted
B228:196/8	14_STS_PCCND_STOP	Global	Drv #14 Pump Stop Request
B228:196/9	14_STS_PCCND_START	Global	Drv #14 Pump Start Request
B228:196/10	14_STS_PCCND_FLOCMP	Global	Drv #14 Flow Compensation Active
B228:196/11	14_STS_PCCND_STOPACT	Global	Drv #14 Stop Active (Stopping)
B228:197	14_STS_ERROR_CODE	Global	Drv #14 Pump Error Code
B228:198	14_STS_PCSLEEP_SEQ	Global	Drv #14 Sleep Sequence
B228:199			Drv #14 Toggle Bit Word
B228:199/0			Drv #14 Analog Input / Output Power Toggle
B228:200	15_STS_PCDRV_TYPE	Global	Drv #15 PF4 Class Drive Type
B228:201	15_STS_PCSTS	Global	Drv #15 Logic Status
B228:201/0	15_STS_PCSTS_READY	Global	Drv #15 Ready
B228:201/1	15_STS_PCSTS_ACTIV	Global	Drv #15 Active
B228:201/2	15_STS_PCSTS_CMDDIR	Global	Drv #15 Commanded Direction (1=FWD, 0=REV)

Address/Symbol Database

Address	Symbol	Scope	Description
B228:201/3	15_STS_PCSTS_ROTDIR	Global	Drv #15 Rotating Direction (1=FWD, 0=REV)
B228:201/4	15_STS_PCSTS_ACCEL	Global	Drv #15 Accelerating
B228:201/5	15_STS_PCSTS_DECEL	Global	Drv #15 Decelerating
B228:201/6	15_STS_PCSTS_ALARM	Global	Drv #15 Alarm
B228:201/7	15_STS_PCSTS_FAULT	Global	Drv #15 Faulted
B228:201/8	15_STS_PCSTS_ATREF	Global	Drv #15 At Reference
B228:201/9	15_STS_PCSTS_REFCC	Global	Drv #15 Reference Controlled by Comm
B228:201/10	15_STS_PCSTS_CMDCC	Global	Drv #15 OperationCmd Controlled by Comm
B228:201/11	15_STS_PCSTS_PARLK	Global	Drv #15 Parameters have been locked
B228:201/12	15_STS_PCSTS_DGIN1	Global	Drv #15 Digital Input 1 Status
B228:201/13	15_STS_PCSTS_DGIN2	Global	Drv #15 Digital Input 2 Status
B228:201/14	15_STS_PCSTS_DGIN3	Global	Drv #15 Digital Input 3 Status
B228:201/15	15_STS_PCSTS_DGIN4	Global	Drv #15 Digital Input 4 Status
B228:202	15_STS_FAULT_CODE	Global	Drv #15 Fault Code
B228:203	15_STS_CMD_SPEED	Global	Drv #15 Commanded Speed
B228:204	15_STS_SPEED_FDBCK	Global	Drv #15 Speed Feedback
B228:205	15_STS_OUTPT_CURRNT	Global	Drv #15 Output Current
B228:206	15_STS_DCBUS_VOLTAG	Global	Drv #15 DC Bus Voltage
B228:207	15_STS_OUTPT_VOLTAG	Global	Drv #15 Output Voltage
B228:208	15_STS_ANALOG_IN_1	Global	Drv #15 Analog Inp 1
B228:209	15_STS_OUTPUT_POWER	Global	Drv #15 Output Power
B228:210	15_STS_P34_MIN_FREQ	Global	Drv #15 Min Freq
B228:211	15_STS_P35_MAX_FREQ	Global	Drv #15 Max Freq
B228:212	15_STS_P39_ACCEL_TM1	Global	Drv #15 Accel Time 1
B228:213	15_STS_P40_DECEL_TM1	Global	Drv #15 Decel Time 1
B228:214	15_STS_P152_PID_REF	Global	Drv #15 PID Ref Sel
B228:215	15_STS_P154_PID_PROP	Global	Drv #15 PID Prop Gain
B228:216	15_STS_P155_PID_INTG	Global	Drv #15 PID Integ Gain
B228:217	15_STS_P156_PID_DIFF	Global	Drv #15 PID Diff Rate
B228:218	15_STS_P157_PID_SETP	Global	Drv #15 PID Setpoint
B228:219	15_STS_P158_PID_DBND	Global	Drv #15 PID Deadband
B228:220	15_STS_P159_PID_PRLD	Global	Drv #15 PID Preload
B228:221	15_STS_PCCND	Global	Drv #15 Pump Condition
B228:221/0	15_STS_PCCND_READY	Global	Drv #15 Pump Ready
B228:221/1	15_STS_PCCND_RUN	Global	Drv #15 Pump Running
B228:221/2	15_STS_PCCND_BOOST	Global	Drv #15 Pump Boosting Pressure
B228:221/3	15_STS_PCCND_SLEEP	Global	Drv #15 Pump in Sleep Mode
B228:221/4	15_STS_PCCND_LOFLO	Global	Drv #15 Low/No-Flow Condition Detected
B228:221/5	15_STS_PCCND_DRYPMP	Global	Drv #15 Dry Pump Condition Detected
B228:221/6	15_STS_PCCND_RUNOUT	Global	Drv #15 Run-Out Condition Detected
B228:221/7	15_STS_PCCND_PMPFLT	Global	Drv #15 Pump Faulted
B228:221/8	15_STS_PCCND_STOP	Global	Drv #15 Pump Stop Request
B228:221/9	15_STS_PCCND_START	Global	Drv #15 Pump Start Request
B228:221/10	15_STS_PCCND_FLOCMP	Global	Drv #15 Flow Compensation Active
B228:221/11	15_STS_PCCND_STOPACT	Global	Drv #15 Stop Active (Stopping)
B228:222	15_STS_ERROR_CODE	Global	Drv #15 Pump Error Code
B228:223	15_STS_PCSLEEP_SEQ	Global	Drv #15 Sleep Sequence
B228:224			Drv #15 Toggle Bit Word
B228:224/0			Drv #15 Analog Input / Output Power Toggle
B228:225	16_STS_PCDRV_TYPE	Global	Drv #16 PF4 Class Drive Type
B228:226	16_STS_PCSTS	Global	Drv #16 Logic Status
B228:226/0	16_STS_PCSTS_READY	Global	Drv #16 Ready
B228:226/1	16_STS_PCSTS_ACTIV	Global	Drv #16 Active
B228:226/2	16_STS_PCSTS_CMDDIR	Global	Drv #16 Commanded Direction (1=FWD, 0=REV)
B228:226/3	16_STS_PCSTS_ROTDIR	Global	Drv #16 Rotating Direction (1=FWD, 0=REV)
B228:226/4	16_STS_PCSTS_ACCEL	Global	Drv #16 Accelerating
B228:226/5	16_STS_PCSTS_DECEL	Global	Drv #16 Decelerating
B228:226/6	16_STS_PCSTS_ALARM	Global	Drv #16 Alarm
B228:226/7	16_STS_PCSTS_FAULT	Global	Drv #16 Faulted
B228:226/8	16_STS_PCSTS_ATREF	Global	Drv #16 At Reference
B228:226/9	16_STS_PCSTS_REFCC	Global	Drv #16 Reference Controlled by Comm
B228:226/10	16_STS_PCSTS_CMDCC	Global	Drv #16 OperationCmd Controlled by Comm
B228:226/11	16_STS_PCSTS_PARLK	Global	Drv #16 Parameters have been locked
B228:226/12	16_STS_PCSTS_DGIN1	Global	Drv #16 Digital Input 1 Status
B228:226/13	16_STS_PCSTS_DGIN2	Global	Drv #16 Digital Input 2 Status
B228:226/14	16_STS_PCSTS_DGIN3	Global	Drv #16 Digital Input 3 Status
B228:226/15	16_STS_PCSTS_DGIN4	Global	Drv #16 Digital Input 4 Status
B228:227	16_STS_FAULT_CODE	Global	Drv #16 Fault Code
B228:228	16_STS_CMD_SPEED	Global	Drv #16 Commanded Speed
B228:229	16_STS_SPEED_FDBCK	Global	Drv #16 Speed Feedback
B228:230	16_STS_OUTPT_CURRNT	Global	Drv #16 Output Current
B228:231	16_STS_DCBUS_VOLTAG	Global	Drv #16 DC Bus Voltage
B228:232	16_STS_OUTPT_VOLTAG	Global	Drv #16 Output Voltage
B228:233	16_STS_ANALOG_IN_1	Global	Drv #16 Analog Inp 1
B228:234	16_STS_OUTPUT_POWER	Global	Drv #16 Output Power
B228:235	16_STS_P34_MIN_FREQ	Global	Drv #16 Min Freq
B228:236	16_STS_P35_MAX_FREQ	Global	Drv #16 Max Freq
B228:237	16_STS_P39_ACCEL_TM1	Global	Drv #16 Accel Time 1
B228:238	16_STS_P40_DECEL_TM1	Global	Drv #16 Decel Time 1
B228:239	16_STS_P152_PID_REF	Global	Drv #16 PID Ref Sel
B228:240	16_STS_P154_PID_PROP	Global	Drv #16 PID Prop Gain
B228:241	16_STS_P155_PID_INTG	Global	Drv #16 PID Integ Gain
B228:242	16_STS_P156_PID_DIFF	Global	Drv #16 PID Diff Rate
B228:243	16_STS_P157_PID_SETP	Global	Drv #16 PID Setpoint

Address/Symbol Database

Address	Symbol	Scope	Description
B228:244	16_STS_P158_PID_DBND	Global	Drv #16 PID Deadband
B228:245	16_STS_P159_PID_PRLD	Global	Drv #16 PID Preload
B228:246	16_STS_PCCND	Global	Drv #16 Pump Condition
B228:246/0	16_STS_PCCND_READY	Global	Drv #16 Pump Ready
B228:246/1	16_STS_PCCND_RUN	Global	Drv #16 Pump Running
B228:246/2	16_STS_PCCND_BOOST	Global	Drv #16 Pump Boosting Pressure
B228:246/3	16_STS_PCCND_SLEEP	Global	Drv #16 Pump in Sleep Mode
B228:246/4	16_STS_PCCND_LOFLO	Global	Drv #16 Low/No-Flow Condition Detected
B228:246/5	16_STS_PCCND_DRYPMP	Global	Drv #16 Dry Pump Condition Detected
B228:246/6	16_STS_PCCND_RUNOUT	Global	Drv #16 Run-Out Condition Detected
B228:246/7	16_STS_PCCND_PMPFLT	Global	Drv #16 Pump Faulted
B228:246/8	16_STS_PCCND_STOP	Global	Drv #16 Pump Stop Request
B228:246/9	16_STS_PCCND_START	Global	Drv #16 Pump Start Request
B228:246/10	16_STS_PCCND_FLOCMP	Global	Drv #16 Flow Compensation Active
B228:246/11	16_STS_PCCND_STOPACT	Global	Drv #16 Stop Active (Stopping)
B228:247	16_STS_ERROR_CODE	Global	Drv #16 Pump Error Code
B228:248	16_STS_PCSLEEP_SEQ	Global	Drv #16 Sleep Sequence
B228:249			Drv #16 Toggle Bit Word
B228:249/0			Drv #16 Analog Input / Output Power Toggle
B228:[N230:1]/7			Drive [#] Faulted
B228:[N230:62]/0			Analog Input / Output Power Read Toggle Bit
B228:[N230:67]/8			Drive [#] Pump Stop Request
B228:[N230:67]/9			Drive [#] Pump Start Request
B228:[N230:71]/0			Drive [#] Pump Ready
B228:[N230:71]/1			Drive [#] Pump Running
B228:[N230:71]/3			Drive [#] Pump in Sleep Mode
B228:[N230:71]/7			Drive [#] Pump Faulted
B229:0	CMD_PCDRV_NUMBER	Global	Drive Number Data to Display
B229:1	CMD_PC_SCRN	Global	Current Screen Control
B229:1/0	CMD_PC_SCRN_MODE	Global	Screen Mode Control Oper(=1)/Prog(=0)
B229:2	CMD_PCOP_CMD	Global	Operator Command Word
B229:2/0	CMD_PCOP_CMD_STOP	Global	Operator Stop Command
B229:2/1	CMD_PCOP_CMD_STRT	Global	Operator Start Command
B229:2/2	CMD_PCOP_CMD_JOG	Global	Operator Jog Command
B229:2/3	CMD_PCOP_CMD_CLRf	Global	Operator Clear Faults Command
B229:2/4	CMD_PCOP_CMD_FWD	Global	Operator Forward Command
B229:2/5	CMD_PCOP_CMD_REV	Global	Operator Reverse Command
B229:3	CMD_PCOP_CMD_SPDR	Global	Operator Speed Reference Command
B229:4	CMD_P34_MIN_FREQ	Global	Min Freq
B229:5	CMD_P35_MAX_FREQ	Global	Max Freq
B229:6	CMD_P39_ACCEL_TM1	Global	Accel Time 1
B229:7	CMD_P40_DECEL_TM1	Global	Decel Time 1
B229:8	CMD_P152_PID_REF	Global	PID Ref Sel
B229:9	CMD_P154_PID_PROP	Global	PID Prop Gain
B229:10	CMD_P155_PID_INTG	Global	PID Integ Gain
B229:11	CMD_P156_PID_DIFF	Global	PID Diff Rate
B229:12	CMD_P157_PID_SETP	Global	PID Setpoint
B229:13	CMD_P158_PID_DBND	Global	PID Deadband
B229:14	CMD_P159_PID_PRLD	Global	PID Preload
B229:15	CMD_PCCFG	Global	Pump Configuration
B229:15/0	CMD_PCCFG_RSTPMP	Global	Reset Pump Fault
B229:15/1	CMD_PCCFG_FLOCMP	Global	Flow Compensation Enable
B229:15/2	CMD_PCCFG_LOPWR	Global	Low Power Detect Enable
B229:15/3	CMD_PCCFG_LOSPD	Global	Low Speed Detect Enable
B229:15/4	CMD_PCCFG_AUTSP	Global	Auto Setpoint Enable
B229:15/5	CMD_PCCFG_PROG	Global	Program Speed Reference Enable
B229:15/6	CMD_PCCFG_FWD	Global	Forward Direction Select
B229:15/7	CMD_PCCFG_STOP	Global	User Stop Command
B229:15/8	CMD_PCCFG_START	Global	User Start Command
B229:16	CMD_PCFNC_LOFLO	Global	Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:17	CMD_PCFNC_DRYPMP	Global	Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:18	CMD_PCFNC_RUNOUT	Global	Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:50	9_CMD_PROG_CMD	Global	Drv #9 Command Word
B229:50/0	9_CMD_PROG_CMD_STOP	Global	Drv #9 Stop Command
B229:50/1	9_CMD_PROG_CMD_STRT	Global	Drv #9 Start Command
B229:50/2	9_CMD_PROG_CMD_JOG	Global	Drv #9 Jog Command
B229:50/3	9_CMD_PROG_CMD_CLRf	Global	Drv #9 Clear Faults Command
B229:50/4	9_CMD_PROG_CMD_FWD	Global	Drv #9 Forward Command
B229:50/5	9_CMD_PROG_CMD_REV	Global	Drv #9 Reverse Command
B229:51	9_CMD_PROG_CMD_SPDR	Global	Drv #9 Speed Reference
B229:52	9_CMD_CMD_CMPAR	Global	Drv #9 Command Word Compare
B229:53			
B229:54			
B229:55			
B229:56			
B229:57			
B229:58			
B229:59			
B229:60	9_CMD_P34_MIN_FREQ	Global	Drv #9 Min Freq
B229:61	9_CMD_P35_MAX_FREQ	Global	Drv #9 Max Freq
B229:62	9_CMD_P39_ACCEL_TM1	Global	Drv #9 Accel Time 1
B229:63	9_CMD_P40_DECEL_TM1	Global	Drv #9 Decel Time 1
B229:64	9_CMD_P152_PID_REF	Global	Drv #9 PID Ref Sel
B229:65	9_CMD_P154_PID_PROP	Global	Drv #9 PID Prop Gain

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Address	Symbol	Scope	Description
B229:66	9_CMD_P155_PID_INTG	Global	Drv #9 PID Integ Gain
B229:67	9_CMD_P156_PID_DIFF	Global	Drv #9 PID Diff Rate
B229:68	9_CMD_P157_PID_SETP	Global	Drv #9 PID Setpoint
B229:69	9_CMD_P158_PID_DBND	Global	Drv #9 PID Deadband
B229:70	9_CMD_P159_PID_PRLD	Global	Drv #9 PID Preload
B229:71	9_CMD_PCCFG	Global	Drv #9 Pump Configuration
B229:71/0	9_CMD_PCCFG_RSTPMP	Global	Drv #9 Reset Pump Fault
B229:71/1	9_CMD_PCCFG_FLOCMP	Global	Drv #9 Flow Compensation Enable
B229:71/2	9_CMD_PCCFG_LOPWR	Global	Drv #9 Low Power Detect Enable
B229:71/3	9_CMD_PCCFG_LOSPD	Global	Drv #9 Low Speed Detect Enable
B229:71/4	9_CMD_PCCFG_AUTSP	Global	Drv #9 Auto Setpoint Enable
B229:71/5	9_CMD_PCCFG_PROG	Global	Drv #9 Program Speed Reference Enable
B229:71/6	9_CMD_PCCFG_FWD	Global	Drv #9 Forward Direction Select
B229:71/7	9_CMD_PCCFG_STOP	Global	Drv #9 User Stop Command
B229:71/8	9_CMD_PCCFG_START	Global	Drv #9 User Start Command
B229:72	9_CMD_PCFNC_LOFLO	Global	Drv #9 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:73	9_CMD_PCFNC_DRYPMP	Global	Drv #9 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:74	9_CMD_PCFNC_RUNOUT	Global	Drv #9 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:75	10_CMD_PROG_CMD	Global	Drv #10 Command Word
B229:75/0	10_CMD_PROG_CMD_STOP	Global	Drv #10 Stop Command
B229:75/1	10_CMD_PROG_CMD_STRT	Global	Drv #10 Start Command
B229:75/2	10_CMD_PROG_CMD_JOG	Global	Drv #10 Jog Command
B229:75/3	10_CMD_PROG_CMD_CLRF	Global	Drv #10 Clear Faults Command
B229:75/4	10_CMD_PROG_CMD_FWD	Global	Drv #10 Forward Command
B229:75/5	10_CMD_PROG_CMD_REV	Global	Drv #10 Reverse Command
B229:76	10_CMD_PROG_CMD_SPDR	Global	Drv #10 Speed Reference
B229:77	10_CMD_CMD_CMPAR	Global	Drv #10 Command Word Compare
B229:78	10_CMD_SPD_SRC_CMPAR	Global	Drv #10 Speed Source Word Compare
B229:79			
B229:80			
B229:81			
B229:82			
B229:83			
B229:84			
B229:85	10_CMD_P34_MIN_FREQ	Global	Drv #10 Min Freq
B229:86	10_CMD_P35_MAX_FREQ	Global	Drv #10 Max Freq
B229:87	10_CMD_P39_ACCEL_TM1	Global	Drv #10 Accel Time 1
B229:88	10_CMD_P40_DECEL_TM1	Global	Drv #10 Decel Time 1
B229:89	10_CMD_P152_PID_REF	Global	Drv #10 PID Ref Sel
B229:90	10_CMD_P154_PID_PROP	Global	Drv #10 PID Prop Gain
B229:91	10_CMD_P155_PID_INTG	Global	Drv #10 PID Integ Gain
B229:92	10_CMD_P156_PID_DIFF	Global	Drv #10 PID Diff Rate
B229:93	10_CMD_P157_PID_SETP	Global	Drv #10 PID Setpoint
B229:94	10_CMD_P158_PID_DBND	Global	Drv #10 PID Deadband
B229:95	10_CMD_P159_PID_PRLD	Global	Drv #10 PID Preload
B229:96	10_CMD_PCCFG	Global	Drv #10 Pump Configuration
B229:96/0	10_CMD_PCCFG_RSTPMP	Global	Drv #10 Reset Pump Fault
B229:96/1	10_CMD_PCCFG_FLOCMP	Global	Drv #10 Flow Compensation Enable
B229:96/2	10_CMD_PCCFG_LOPWR	Global	Drv #10 Low Power Detect Enable
B229:96/3	10_CMD_PCCFG_LOSPD	Global	Drv #10 Low Speed Detect Enable
B229:96/4	10_CMD_PCCFG_AUTSP	Global	Drv #10 Auto Setpoint Enable
B229:96/5	10_CMD_PCCFG_PROG	Global	Drv #10 Program Speed Reference Enable
B229:96/6	10_CMD_PCCFG_FWD	Global	Drv #10 Forward Direction Select
B229:96/7	10_CMD_PCCFG_STOP	Global	Drv #10 User Stop Command
B229:96/8	10_CMD_PCCFG_START	Global	Drv #10 User Start Command
B229:97	10_CMD_PCFNC_LOFLO	Global	Drv #10 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:98	10_CMD_PCFNC_DRYPMP	Global	Drv #10 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:99	10_CMD_PCFNC_RUNOUT	Global	Drv #10 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:100	11_CMD_PROG_CMD	Global	Drv #11 Command Word
B229:100/0	11_CMD_PROG_CMD_STOP	Global	Drv #11 Stop Command
B229:100/1	11_CMD_PROG_CMD_STRT	Global	Drv #11 Start Command
B229:100/2	11_CMD_PROG_CMD_JOG	Global	Drv #11 Jog Command
B229:100/3	11_CMD_PROG_CMD_CLRF	Global	Drv #11 Clear Faults Command
B229:100/4	11_CMD_PROG_CMD_FWD	Global	Drv #11 Forward Command
B229:100/5	11_CMD_PROG_CMD_REV	Global	Drv #11 Reverse Command
B229:101	11_CMD_PROG_CMD_SPDR	Global	Drv #11 Speed Reference
B229:102	11_CMD_CMD_CMPAR	Global	Drv #11 Command Word Compare
B229:103	11_CMD_SPD_SRC_CMPAR	Global	Drv #11 Speed Source Word Compare
B229:104			
B229:105			
B229:106			
B229:107			
B229:108			
B229:109			
B229:110	11_CMD_P34_MIN_FREQ	Global	Drv #11 Min Freq
B229:111	11_CMD_P35_MAX_FREQ	Global	Drv #11 Max Freq
B229:112	11_CMD_P39_ACCEL_TM1	Global	Drv #11 Accel Time 1
B229:113	11_CMD_P40_DECEL_TM1	Global	Drv #11 Decel Time 1
B229:114	11_CMD_P152_PID_REF	Global	Drv #11 PID Ref Sel
B229:115	11_CMD_P154_PID_PROP	Global	Drv #11 PID Prop Gain
B229:116	11_CMD_P155_PID_INTG	Global	Drv #11 PID Integ Gain
B229:117	11_CMD_P156_PID_DIFF	Global	Drv #11 PID Diff Rate
B229:118	11_CMD_P157_PID_SETP	Global	Drv #11 PID Setpoint
B229:119	11_CMD_P158_PID_DBND	Global	Drv #11 PID Deadband

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Address	Symbol	Scope	Description
B229:120	11_CMD_P159_PID_PRLD	Global	Drv #11 PID Preload
B229:121	11_CMD_PCCFG	Global	Drv #11 Pump Configuration
B229:121/0	11_CMD_PCCFG_RSTPMP	Global	Drv #11 Reset Pump Fault
B229:121/1	11_CMD_PCCFG_FLOCMP	Global	Drv #11 Flow Compensation Enable
B229:121/2	11_CMD_PCCFG_LOPWR	Global	Drv #11 Low Power Detect Enable
B229:121/3	11_CMD_PCCFG_LOSPD	Global	Drv #11 Low Speed Detect Enable
B229:121/4	11_CMD_PCCFG_AUTSP	Global	Drv #11 Auto Setpoint Enable
B229:121/5	11_CMD_PCCFG_PROG	Global	Drv #11 Program Speed Reference Enable
B229:121/6	11_CMD_PCCFG_FWD	Global	Drv #11 Forward Direction Select
B229:121/7	11_CMD_PCCFG_STOP	Global	Drv #11 User Stop Command
B229:121/8	11_CMD_PCCFG_START	Global	Drv #11 User Start Command
B229:122	11_CMD_PCFNC_LOFLO	Global	Drv #11 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:123	11_CMD_PCFNC_DRYPMP	Global	Drv #11 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:124	11_CMD_PCFNC_RUNOUT	Global	Drv #11 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:125	12_CMD_PROG_CMD	Global	Drv #12 Command Word
B229:125/0	12_CMD_PROG_CMD_STOP	Global	Drv #12 Stop Command
B229:125/1	12_CMD_PROG_CMD_STRT	Global	Drv #12 Start Command
B229:125/2	12_CMD_PROG_CMD_JOG	Global	Drv #12 Jog Command
B229:125/3	12_CMD_PROG_CMD_CLRFB	Global	Drv #12 Clear Faults Command
B229:125/4	12_CMD_PROG_CMD_FWD	Global	Drv #12 Forward Command
B229:125/5	12_CMD_PROG_CMD_REV	Global	Drv #12 Reverse Command
B229:126	12_CMD_PROG_CMD_SPDR	Global	Drv #12 Speed Reference
B229:127	12_CMD_CMD_CMPAR	Global	Drv #12 Command Word Compare
B229:128	12_CMD_SPD_SRC_CMPAR	Global	Drv #12 Speed Source Word Compare
B229:129			
B229:130			
B229:131			
B229:132			
B229:133			
B229:134			
B229:135	12_CMD_P34_MIN_FREQ	Global	Drv #12 Min Freq
B229:136	12_CMD_P35_MAX_FREQ	Global	Drv #12 Max Freq
B229:137	12_CMD_P39_ACCEL_TM1	Global	Drv #12 Accel Time 1
B229:138	12_CMD_P40_DECEL_TM1	Global	Drv #12 Decel Time 1
B229:139	12_CMD_P152_PID_REF	Global	Drv #12 PID Ref Sel
B229:140	12_CMD_P154_PID_PROP	Global	Drv #12 PID Prop Gain
B229:141	12_CMD_P155_PID_INTG	Global	Drv #12 PID Integ Gain
B229:142	12_CMD_P156_PID_DIFF	Global	Drv #12 PID Diff Rate
B229:143	12_CMD_P157_PID_SETP	Global	Drv #12 PID Setpoint
B229:144	12_CMD_P158_PID_DBND	Global	Drv #12 PID Deadband
B229:145	12_CMD_P159_PID_PRLD	Global	Drv #12 PID Preload
B229:146	12_CMD_PCCFG	Global	Drv #12 Pump Configuration
B229:146/0	12_CMD_PCCFG_RSTPMP	Global	Drv #12 Reset Pump Fault
B229:146/1	12_CMD_PCCFG_FLOCMP	Global	Drv #12 Flow Compensation Enable
B229:146/2	12_CMD_PCCFG_LOPWR	Global	Drv #12 Low Power Detect Enable
B229:146/3	12_CMD_PCCFG_LOSPD	Global	Drv #12 Low Speed Detect Enable
B229:146/4	12_CMD_PCCFG_AUTSP	Global	Drv #12 Auto Setpoint Enable
B229:146/5	12_CMD_PCCFG_PROG	Global	Drv #12 Program Speed Reference Enable
B229:146/6	12_CMD_PCCFG_FWD	Global	Drv #12 Forward Direction Select
B229:146/7	12_CMD_PCCFG_STOP	Global	Drv #12 User Stop Command
B229:146/8	12_CMD_PCCFG_START	Global	Drv #12 User Start Command
B229:147	12_CMD_PCFNC_LOFLO	Global	Drv #12 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:148	12_CMD_PCFNC_DRYPMP	Global	Drv #12 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:149	12_CMD_PCFNC_RUNOUT	Global	Drv #12 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:150	13_CMD_PROG_CMD	Global	Drv #13 Command Word
B229:150/0	13_CMD_PROG_CMD_STOP	Global	Drv #13 Stop Command
B229:150/1	13_CMD_PROG_CMD_STRT	Global	Drv #13 Start Command
B229:150/2	13_CMD_PROG_CMD_JOG	Global	Drv #13 Jog Command
B229:150/3	13_CMD_PROG_CMD_CLRFB	Global	Drv #13 Clear Faults Command
B229:150/4	13_CMD_PROG_CMD_FWD	Global	Drv #13 Forward Command
B229:150/5	13_CMD_PROG_CMD_REV	Global	Drv #13 Reverse Command
B229:151	13_CMD_PROG_CMD_SPDR	Global	Drv #13 Speed Reference
B229:152	13_CMD_CMD_CMPAR	Global	Drv #13 Command Word Compare
B229:153	13_CMD_SPD_SRC_CMPAR	Global	Drv #13 Speed Source Word Compare
B229:154			
B229:155			
B229:156			
B229:157			
B229:158			
B229:159			
B229:160	13_CMD_P34_MIN_FREQ	Global	Drv #13 Min Freq
B229:161	13_CMD_P35_MAX_FREQ	Global	Drv #13 Max Freq
B229:162	13_CMD_P39_ACCEL_TM1	Global	Drv #13 Accel Time 1
B229:163	13_CMD_P40_DECEL_TM1	Global	Drv #13 Decel Time 1
B229:164	13_CMD_P152_PID_REF	Global	Drv #13 PID Ref Sel
B229:165	13_CMD_P154_PID_PROP	Global	Drv #13 PID Prop Gain
B229:166	13_CMD_P155_PID_INTG	Global	Drv #13 PID Integ Gain
B229:167	13_CMD_P156_PID_DIFF	Global	Drv #13 PID Diff Rate
B229:168	13_CMD_P157_PID_SETP	Global	Drv #13 PID Setpoint
B229:169	13_CMD_P158_PID_DBND	Global	Drv #13 PID Deadband
B229:170	13_CMD_P159_PID_PRLD	Global	Drv #13 PID Preload
B229:171	13_CMD_PCCFG	Global	Drv #13 Pump Configuration
B229:171/0	13_CMD_PCCFG_RSTPMP	Global	Drv #13 Reset Pump Fault
B229:171/1	13_CMD_PCCFG_FLOCMP	Global	Drv #13 Flow Compensation Enable

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Address	Symbol	Scope	Description
B229:171/2	13_CMD_PCCFG_LOPWR	Global	Drv #13 Low Power Detect Enable
B229:171/3	13_CMD_PCCFG_LOSPD	Global	Drv #13 Low Speed Detect Enable
B229:171/4	13_CMD_PCCFG_AUTSP	Global	Drv #13 Auto Setpoint Enable
B229:171/5	13_CMD_PCCFG_PROG	Global	Drv #13 Program Speed Reference Enable
B229:171/6	13_CMD_PCCFG_FWD	Global	Drv #13 Forward Direction Select
B229:171/7	13_CMD_PCCFG_STOP	Global	Drv #13 User Stop Command
B229:171/8	13_CMD_PCCFG_START	Global	Drv #13 User Start Command
B229:172	13_CMD_PCFNC_LOFLO	Global	Drv #13 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:173	13_CMD_PCFNC_DRYPMP	Global	Drv #13 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:174	13_CMD_PCFNC_RUNOUT	Global	Drv #13 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:175	14_CMD_PROG_CMD	Global	Drv #14 Command Word
B229:175/0	14_CMD_PROG_CMD_STOP	Global	Drv #14 Stop Command
B229:175/1	14_CMD_PROG_CMD_STRT	Global	Drv #14 Start Command
B229:175/2	14_CMD_PROG_CMD_JOG	Global	Drv #14 Jog Command
B229:175/3	14_CMD_PROG_CMD_CLRF	Global	Drv #14 Clear Faults Command
B229:175/4	14_CMD_PROG_CMD_FWD	Global	Drv #14 Forward Command
B229:175/5	14_CMD_PROG_CMD_REV	Global	Drv #14 Reverse Command
B229:176	14_CMD_PROG_CMD_SPDR	Global	Drv #14 Speed Reference
B229:177	14_CMD_CMD_CMPAR	Global	Drv #14 Command Word Compare
B229:178	14_CMD_SPD_SRC_CMPAR	Global	Drv #14 Speed Source Word Compare
B229:179			
B229:180			
B229:181			
B229:182			
B229:183			
B229:184			
B229:185	14_CMD_P34_MIN_FREQ	Global	Drv #14 Min Freq
B229:186	14_CMD_P35_MAX_FREQ	Global	Drv #14 Max Freq
B229:187	14_CMD_P39_ACCEL_TM1	Global	Drv #14 Accel Time 1
B229:188	14_CMD_P40_DECEL_TM1	Global	Drv #14 Decel Time 1
B229:189	14_CMD_P152_PID_REF	Global	Drv #14 PID Ref Sel
B229:190	14_CMD_P154_PID_PROP	Global	Drv #14 PID Prop Gain
B229:191	14_CMD_P155_PID_INTG	Global	Drv #14 PID Integ Gain
B229:192	14_CMD_P156_PID_DIFF	Global	Drv #14 PID Diff Rate
B229:193	14_CMD_P157_PID_SETP	Global	Drv #14 PID Setpoint
B229:194	14_CMD_P158_PID_DBND	Global	Drv #14 PID Deadband
B229:195	14_CMD_P159_PID_PRLD	Global	Drv #14 PID Preload
B229:196	14_CMD_PCCFG	Global	Drv #14 Pump Configuration
B229:196/0	14_CMD_PCCFG_RSTPMP	Global	Drv #14 Reset Pump Fault
B229:196/1	14_CMD_PCCFG_FLOCMP	Global	Drv #14 Flow Compensation Enable
B229:196/2	14_CMD_PCCFG_LOPWR	Global	Drv #14 Low Power Detect Enable
B229:196/3	14_CMD_PCCFG_LOSPD	Global	Drv #14 Low Speed Detect Enable
B229:196/4	14_CMD_PCCFG_AUTSP	Global	Drv #14 Auto Setpoint Enable
B229:196/5	14_CMD_PCCFG_PROG	Global	Drv #14 Program Speed Reference Enable
B229:196/6	14_CMD_PCCFG_FWD	Global	Drv #14 Forward Direction Select
B229:196/7	14_CMD_PCCFG_STOP	Global	Drv #14 User Stop Command
B229:196/8	14_CMD_PCCFG_START	Global	Drv #14 User Start Command
B229:197	14_CMD_PCFNC_LOFLO	Global	Drv #14 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:198	14_CMD_PCFNC_DRYPMP	Global	Drv #14 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:199	14_CMD_PCFNC_RUNOUT	Global	Drv #14 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:200	15_CMD_PROG_CMD	Global	Drv #15 Command Word
B229:200/0	15_CMD_PROG_CMD_STOP	Global	Drv #15 Stop Command
B229:200/1	15_CMD_PROG_CMD_STRT	Global	Drv #15 Start Command
B229:200/2	15_CMD_PROG_CMD_JOG	Global	Drv #15 Jog Command
B229:200/3	15_CMD_PROG_CMD_CLRF	Global	Drv #15 Clear Faults Command
B229:200/4	15_CMD_PROG_CMD_FWD	Global	Drv #15 Forward Command
B229:200/5	15_CMD_PROG_CMD_REV	Global	Drv #15 Reverse Command
B229:201	15_CMD_PROG_CMD_SPDR	Global	Drv #15 Speed Reference
B229:202	15_CMD_CMD_CMPAR	Global	Drv #15 Command Word Compare
B229:203	15_CMD_SPD_SRC_CMPAR	Global	Drv #15 Speed Source Word Compare
B229:204			
B229:205			
B229:206			
B229:207			
B229:208			
B229:209			
B229:210	15_CMD_P34_MIN_FREQ	Global	Drv #15 Min Freq
B229:211	15_CMD_P35_MAX_FREQ	Global	Drv #15 Max Freq
B229:212	15_CMD_P39_ACCEL_TM1	Global	Drv #15 Accel Time 1
B229:213	15_CMD_P40_DECEL_TM1	Global	Drv #15 Decel Time 1
B229:214	15_CMD_P152_PID_REF	Global	Drv #15 PID Ref Sel
B229:215	15_CMD_P154_PID_PROP	Global	Drv #15 PID Prop Gain
B229:216	15_CMD_P155_PID_INTG	Global	Drv #15 PID Integ Gain
B229:217	15_CMD_P156_PID_DIFF	Global	Drv #15 PID Diff Rate
B229:218	15_CMD_P157_PID_SETP	Global	Drv #15 PID Setpoint
B229:219	15_CMD_P158_PID_DBND	Global	Drv #15 PID Deadband
B229:220	15_CMD_P159_PID_PRLD	Global	Drv #15 PID Preload
B229:221	15_CMD_PCCFG	Global	Drv #15 Pump Configuration
B229:221/0	15_CMD_PCCFG_RSTPMP	Global	Drv #15 Reset Pump Fault
B229:221/1	15_CMD_PCCFG_FLOCMP	Global	Drv #15 Flow Compensation Enable
B229:221/2	15_CMD_PCCFG_LOPWR	Global	Drv #15 Low Power Detect Enable
B229:221/3	15_CMD_PCCFG_LOSPD	Global	Drv #15 Low Speed Detect Enable
B229:221/4	15_CMD_PCCFG_AUTSP	Global	Drv #15 Auto Setpoint Enable
B229:221/5	15_CMD_PCCFG_PROG	Global	Drv #15 Program Speed Reference Enable

Address/Symbol Database

Address	Symbol	Scope	Description
B229:221/6	15_CMD_PCCFG_FWD	Global	Drv #15 Forward Direction Select
B229:221/7	15_CMD_PCCFG_STOP	Global	Drv #15 User Stop Command
B229:221/8	15_CMD_PCCFG_START	Global	Drv #15 User Start Command
B229:222	15_CMD_PCFNC_LOFLO	Global	Drv #15 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:223	15_CMD_PCFNC_DRYPMP	Global	Drv #15 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:224	15_CMD_PCFNC_RUNOUT	Global	Drv #15 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:225	16_CMD_PROG_CMD	Global	Drv #16 Command Word
B229:225/0	16_CMD_PROG_CMD_STOP	Global	Drv #16 Stop Command
B229:225/1	16_CMD_PROG_CMD_STRT	Global	Drv #16 Start Command
B229:225/2	16_CMD_PROG_CMD_JOG	Global	Drv #16 Jog Command
B229:225/3	16_CMD_PROG_CMD_CLRFL	Global	Drv #16 Clear Faults Command
B229:225/4	16_CMD_PROG_CMD_FWD	Global	Drv #16 Forward Command
B229:225/5	16_CMD_PROG_CMD_REV	Global	Drv #16 Reverse Command
B229:226	16_CMD_PROG_CMD_SPDR	Global	Drv #16 Speed Reference
B229:227	16_CMD_CMD_CMPAR	Global	Drv #16 Command Word Compare
B229:228	16_CMD_SPD_SRC_CMPAR	Global	Drv #16 Speed Source Word Compare
B229:229			
B229:230			
B229:231			
B229:232			
B229:233			
B229:234			
B229:235	16_CMD_P34_MIN_FREQ	Global	Drv #16 Min Freq
B229:236	16_CMD_P35_MAX_FREQ	Global	Drv #16 Max Freq
B229:237	16_CMD_P39_ACCEL_TM1	Global	Drv #16 Accel Time 1
B229:238	16_CMD_P40_DECEL_TM1	Global	Drv #16 Decel Time 1
B229:239	16_CMD_P152_PID_REF	Global	Drv #16 PID Ref Sel
B229:240	16_CMD_P154_PID_PROP	Global	Drv #16 PID Prop Gain
B229:241	16_CMD_P155_PID_INTG	Global	Drv #16 PID Integ Gain
B229:242	16_CMD_P156_PID_DIFF	Global	Drv #16 PID Diff Rate
B229:243	16_CMD_P157_PID_SETP	Global	Drv #16 PID Setpoint
B229:244	16_CMD_P158_PID_DBND	Global	Drv #16 PID Deadband
B229:245	16_CMD_P159_PID_PRLD	Global	Drv #16 PID Preload
B229:246	16_CMD_PCCFG	Global	Drv #16 Pump Configuration
B229:246/0	16_CMD_PCCFG_RSTMP	Global	Drv #16 Reset Pump Fault
B229:246/1	16_CMD_PCCFG_FLOCOMP	Global	Drv #16 Flow Compensation Enable
B229:246/2	16_CMD_PCCFG_LOPWR	Global	Drv #16 Low Power Detect Enable
B229:246/3	16_CMD_PCCFG_LOSPD	Global	Drv #16 Low Speed Detect Enable
B229:246/4	16_CMD_PCCFG_AUTSP	Global	Drv #16 Auto Setpoint Enable
B229:246/5	16_CMD_PCCFG_PROG	Global	Drv #16 Program Speed Reference Enable
B229:246/6	16_CMD_PCCFG_FWD	Global	Drv #16 Forward Direction Select
B229:246/7	16_CMD_PCCFG_STOP	Global	Drv #16 User Stop Command
B229:246/8	16_CMD_PCCFG_START	Global	Drv #16 User Start Command
B229:247	16_CMD_PCFNC_LOFLO	Global	Drv #16 Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
B229:248	16_CMD_PCFNC_DRYPMP	Global	Drv #16 Dry Pump Function 0=Off, 1=Alarm, 2=Fault
B229:249	16_CMD_PCFNC_RUNOUT	Global	Drv #16 Run Out Function 0=Off, 1=Alarm, 2=Fault
B229:[N230:2]/0			Drive [#] Stop Command
B229:[N230:2]/1			Drive [#] Start Command
B229:[N230:68]/5			Drive [#] Program Speed Reference Enable
B239:1	1_STS_NODE	Global	Node #1 Status Word
B239:1/0	1_STS_NODE_ENABLED	Global	Node #1 Enabled (=1)
B239:1/1	1_STS_NODE_RSPNDING	Global	Node #1 Responding (=1)
B239:1/2	1_STS_NODE_READY	Global	Node #1 Ready (=1)
B239:1/3	1_STS_NODE_RUNNING	Global	Node #1 Running (=1)
B239:1/4	1_STS_NODE_FAULTED	Global	Node #1 Faulted (=1)
B239:1/5	1_STS_NODE_MODE	Global	Node #1 (0=Speed,1=Position)
B239:2	2_STS_NODE	Global	Node #2 Status Word
B239:2/0	2_STS_NODE_ENABLED	Global	Node #2 Enabled (=1)
B239:2/1	2_STS_NODE_RSPNDING	Global	Node #2 Responding (=1)
B239:2/2	2_STS_NODE_READY	Global	Node #2 Ready (=1)
B239:2/3	2_STS_NODE_RUNNING	Global	Node #2 Running (=1)
B239:2/4	2_STS_NODE_FAULTED	Global	Node #2 Faulted (=1)
B239:2/5	2_STS_NODE_MODE	Global	Node #2 (0=Speed,1=Position)
B239:3	3_STS_NODE	Global	Node #3 Status Word
B239:3/0	3_STS_NODE_ENABLED	Global	Node #3 Enabled (=1)
B239:3/1	3_STS_NODE_RSPNDING	Global	Node #3 Responding (=1)
B239:3/2	3_STS_NODE_READY	Global	Node #3 Ready (=1)
B239:3/3	3_STS_NODE_RUNNING	Global	Node #3 Running (=1)
B239:3/4	3_STS_NODE_FAULTED	Global	Node #3 Faulted (=1)
B239:3/5	3_STS_NODE_MODE	Global	Node #3 (0=Speed,1=Position)
B239:4	4_STS_NODE	Global	Node #4 Status Word
B239:4/0	4_STS_NODE_ENABLED	Global	Node #4 Enabled (=1)
B239:4/1	4_STS_NODE_RSPNDING	Global	Node #4 Responding (=1)
B239:4/2	4_STS_NODE_READY	Global	Node #4 Ready (=1)
B239:4/3	4_STS_NODE_RUNNING	Global	Node #4 Running (=1)
B239:4/4	4_STS_NODE_FAULTED	Global	Node #4 Faulted (=1)
B239:4/5	4_STS_NODE_MODE	Global	Node #4 (0=Speed,1=Position)
B239:5	5_STS_NODE	Global	Node #5 Status Word
B239:5/0	5_STS_NODE_ENABLED	Global	Node #5 Enabled (=1)
B239:5/1	5_STS_NODE_RSPNDING	Global	Node #5 Responding (=1)
B239:5/2	5_STS_NODE_READY	Global	Node #5 Ready (=1)
B239:5/3	5_STS_NODE_RUNNING	Global	Node #5 Running (=1)
B239:5/4	5_STS_NODE_FAULTED	Global	Node #5 Faulted (=1)
B239:5/5	5_STS_NODE_MODE	Global	Node #5 (0=Speed,1=Position)

Address/Symbol Database

Address	Symbol	Scope	Description
B239:6	6_STS_NODE	Global	Node #6 Status Word
B239:6/0	6_STS_NODE_ENABLED	Global	Node #6 Enabled (=1)
B239:6/1	6_STS_NODE_RSPNDING	Global	Node #6 Responding (=1)
B239:6/2	6_STS_NODE_READY	Global	Node #6 Ready (=1)
B239:6/3	6_STS_NODE_RUNNING	Global	Node #6 Running (=1)
B239:6/4	6_STS_NODE_FAULTED	Global	Node #6 Faulted (=1)
B239:6/5	6_STS_NODE_MODE	Global	Node #6 (0=Speed,1=Position)
B239:7	7_STS_NODE	Global	Node #7 Status Word
B239:7/0	7_STS_NODE_ENABLED	Global	Node #7 Enabled (=1)
B239:7/1	7_STS_NODE_RSPNDING	Global	Node #7 Responding (=1)
B239:7/2	7_STS_NODE_READY	Global	Node #7 Ready (=1)
B239:7/3	7_STS_NODE_RUNNING	Global	Node #7 Running (=1)
B239:7/4	7_STS_NODE_FAULTED	Global	Node #7 Faulted (=1)
B239:7/5	7_STS_NODE_MODE	Global	Node #7 (0=Speed,1=Position)
B239:8	8_STS_NODE	Global	Node #8 Status Word
B239:8/0	8_STS_NODE_ENABLED	Global	Node #8 Enabled (=1)
B239:8/1	8_STS_NODE_RSPNDING	Global	Node #8 Responding (=1)
B239:8/2	8_STS_NODE_READY	Global	Node #8 Ready (=1)
B239:8/3	8_STS_NODE_RUNNING	Global	Node #8 Running (=1)
B239:8/4	8_STS_NODE_FAULTED	Global	Node #8 Faulted (=1)
B239:8/5	8_STS_NODE_MODE	Global	Node #8 (0=Speed,1=Position)
B239:9	9_STS_NODE	Global	Node #9 Status Word
B239:9/0	9_STS_NODE_ENABLED	Global	Node #9 Enabled (=1)
B239:9/1	9_STS_NODE_RSPNDING	Global	Node #9 Responding (=1)
B239:9/2	9_STS_NODE_READY	Global	Node #9 Ready (=1)
B239:9/3	9_STS_NODE_RUNNING	Global	Node #9 Running (=1)
B239:9/4	9_STS_NODE_FAULTED	Global	Node #9 Faulted (=1)
B239:9/5	9_STS_NODE_MODE	Global	Node #9 (0=Speed,1=Position)
B239:10	10_STS_NODE	Global	Node #10 Status Word
B239:10/0	10_STS_NODE_ENABLED	Global	Node #10 Enabled (=1)
B239:10/1	10_STS_NODE_RSPNDING	Global	Node #10 Responding (=1)
B239:10/2	10_STS_NODE_READY	Global	Node #10 Ready (=1)
B239:10/3	10_STS_NODE_RUNNING	Global	Node #10 Running (=1)
B239:10/4	10_STS_NODE_FAULTED	Global	Node #10 Faulted (=1)
B239:10/5	10_STS_NODE_MODE	Global	Node #10 (0=Speed,1=Position)
B239:11	11_STS_NODE	Global	Node #11 Status Word
B239:11/0	11_STS_NODE_ENABLED	Global	Node #11 Enabled (=1)
B239:11/1	11_STS_NODE_RSPNDING	Global	Node #11 Responding (=1)
B239:11/2	11_STS_NODE_READY	Global	Node #11 Ready (=1)
B239:11/3	11_STS_NODE_RUNNING	Global	Node #11 Running (=1)
B239:11/4	11_STS_NODE_FAULTED	Global	Node #11 Faulted (=1)
B239:11/5	11_STS_NODE_MODE	Global	Node #11 (0=Speed,1=Position)
B239:12	12_STS_NODE	Global	Node #12 Status Word
B239:12/0	12_STS_NODE_ENABLED	Global	Node #12 Enabled (=1)
B239:12/1	12_STS_NODE_RSPNDING	Global	Node #12 Responding (=1)
B239:12/2	12_STS_NODE_READY	Global	Node #12 Ready (=1)
B239:12/3	12_STS_NODE_RUNNING	Global	Node #12 Running (=1)
B239:12/4	12_STS_NODE_FAULTED	Global	Node #12 Faulted (=1)
B239:12/5	12_STS_NODE_MODE	Global	Node #12 (0=Speed,1=Position)
B239:13	13_STS_NODE	Global	Node #13 Status Word
B239:13/0	13_STS_NODE_ENABLED	Global	Node #13 Enabled (=1)
B239:13/1	13_STS_NODE_RSPNDING	Global	Node #13 Responding (=1)
B239:13/2	13_STS_NODE_READY	Global	Node #13 Ready (=1)
B239:13/3	13_STS_NODE_RUNNING	Global	Node #13 Running (=1)
B239:13/4	13_STS_NODE_FAULTED	Global	Node #13 Faulted (=1)
B239:13/5	13_STS_NODE_MODE	Global	Node #13 (0=Speed,1=Position)
B239:14	14_STS_NODE	Global	Node #14 Status Word
B239:14/0	14_STS_NODE_ENABLED	Global	Node #14 Enabled (=1)
B239:14/1	14_STS_NODE_RSPNDING	Global	Node #14 Responding (=1)
B239:14/2	14_STS_NODE_READY	Global	Node #14 Ready (=1)
B239:14/3	14_STS_NODE_RUNNING	Global	Node #14 Running (=1)
B239:14/4	14_STS_NODE_FAULTED	Global	Node #14 Faulted (=1)
B239:14/5	14_STS_NODE_MODE	Global	Node #14 (0=Speed,1=Position)
B239:15	15_STS_NODE	Global	Node #15 Status Word
B239:15/0	15_STS_NODE_ENABLED	Global	Node #15 Enabled (=1)
B239:15/1	15_STS_NODE_RSPNDING	Global	Node #15 Responding (=1)
B239:15/2	15_STS_NODE_READY	Global	Node #15 Ready (=1)
B239:15/3	15_STS_NODE_RUNNING	Global	Node #15 Running (=1)
B239:15/4	15_STS_NODE_FAULTED	Global	Node #15 Faulted (=1)
B239:15/5	15_STS_NODE_MODE	Global	Node #15 (0=Speed,1=Position)
B239:16	16_STS_NODE	Global	Node #16 Status Word
B239:16/0	16_STS_NODE_ENABLED	Global	Node #16 Enabled (=1)
B239:16/1	16_STS_NODE_RSPNDING	Global	Node #16 Responding (=1)
B239:16/2	16_STS_NODE_READY	Global	Node #16 Ready (=1)
B239:16/3	16_STS_NODE_RUNNING	Global	Node #16 Running (=1)
B239:16/4	16_STS_NODE_FAULTED	Global	Node #16 Faulted (=1)
B239:16/5	16_STS_NODE_MODE	Global	Node #16 (0=Speed,1=Position)
B239:17	17_STS_NODE	Global	Node #17 Status Word
B239:17/0	17_STS_NODE_ENABLED	Global	Node #17 Enabled (=1)
B239:17/1	17_STS_NODE_RSPNDING	Global	Node #17 Responding (=1)
B239:17/2	17_STS_NODE_READY	Global	Node #17 Ready (=1)
B239:17/3	17_STS_NODE_RUNNING	Global	Node #17 Running (=1)
B239:17/4	17_STS_NODE_FAULTED	Global	Node #17 Faulted (=1)
B239:17/5	17_STS_NODE_MODE	Global	Node #17 (0=Speed,1=Position)

Address/Symbol Database

Address	Symbol	Scope	Description
B239:18	18_STS_NODE	Global	Node #18 Status Word
B239:18/0	18_STS_NODE_ENABLED	Global	Node #18 Enabled (=1)
B239:18/1	18_STS_NODE_RSPNDING	Global	Node #18 Responding (=1)
B239:18/2	18_STS_NODE_READY	Global	Node #18 Ready (=1)
B239:18/3	18_STS_NODE_RUNNING	Global	Node #18 Running (=1)
B239:18/4	18_STS_NODE_FAULTED	Global	Node #18 Faulted (=1)
B239:18/5	18_STS_NODE_MODE	Global	Node #18 (0=Speed,1=Position)
B239:19	19_STS_NODE	Global	Node #19 Status Word
B239:19/0	19_STS_NODE_ENABLED	Global	Node #19 Enabled (=1)
B239:19/1	19_STS_NODE_RSPNDING	Global	Node #19 Responding (=1)
B239:19/2	19_STS_NODE_READY	Global	Node #19 Ready (=1)
B239:19/3	19_STS_NODE_RUNNING	Global	Node #19 Running (=1)
B239:19/4	19_STS_NODE_FAULTED	Global	Node #19 Faulted (=1)
B239:19/5	19_STS_NODE_MODE	Global	Node #19 (0=Speed,1=Position)
B239:20	20_STS_NODE	Global	Node #20 Status Word
B239:20/0	20_STS_NODE_ENABLED	Global	Node #20 Enabled (=1)
B239:20/1	20_STS_NODE_RSPNDING	Global	Node #20 Responding (=1)
B239:20/2	20_STS_NODE_READY	Global	Node #20 Ready (=1)
B239:20/3	20_STS_NODE_RUNNING	Global	Node #20 Running (=1)
B239:20/4	20_STS_NODE_FAULTED	Global	Node #20 Faulted (=1)
B239:20/5	20_STS_NODE_MODE	Global	Node #20 (0=Speed,1=Position)
B239:21	21_STS_NODE	Global	Node #21 Status Word
B239:21/0	21_STS_NODE_ENABLED	Global	Node #21 Enabled (=1)
B239:21/1	21_STS_NODE_RSPNDING	Global	Node #21 Responding (=1)
B239:21/2	21_STS_NODE_READY	Global	Node #21 Ready (=1)
B239:21/3	21_STS_NODE_RUNNING	Global	Node #21 Running (=1)
B239:21/4	21_STS_NODE_FAULTED	Global	Node #21 Faulted (=1)
B239:21/5	21_STS_NODE_MODE	Global	Node #21 (0=Speed,1=Position)
B239:22	22_STS_NODE	Global	Node #22 Status Word
B239:22/0	22_STS_NODE_ENABLED	Global	Node #22 Enabled (=1)
B239:22/1	22_STS_NODE_RSPNDING	Global	Node #22 Responding (=1)
B239:22/2	22_STS_NODE_READY	Global	Node #22 Ready (=1)
B239:22/3	22_STS_NODE_RUNNING	Global	Node #22 Running (=1)
B239:22/4	22_STS_NODE_FAULTED	Global	Node #22 Faulted (=1)
B239:22/5	22_STS_NODE_MODE	Global	Node #22 (0=Speed,1=Position)
B239:23	23_STS_NODE	Global	Node #23 Status Word
B239:23/0	23_STS_NODE_ENABLED	Global	Node #23 Enabled (=1)
B239:23/1	23_STS_NODE_RSPNDING	Global	Node #23 Responding (=1)
B239:23/2	23_STS_NODE_READY	Global	Node #23 Ready (=1)
B239:23/3	23_STS_NODE_RUNNING	Global	Node #23 Running (=1)
B239:23/4	23_STS_NODE_FAULTED	Global	Node #23 Faulted (=1)
B239:23/5	23_STS_NODE_MODE	Global	Node #23 (0=Speed,1=Position)
B239:24	24_STS_NODE	Global	Node #24 Status Word
B239:24/0	24_STS_NODE_ENABLED	Global	Node #24 Enabled (=1)
B239:24/1	24_STS_NODE_RSPNDING	Global	Node #24 Responding (=1)
B239:24/2	24_STS_NODE_READY	Global	Node #24 Ready (=1)
B239:24/3	24_STS_NODE_RUNNING	Global	Node #24 Running (=1)
B239:24/4	24_STS_NODE_FAULTED	Global	Node #24 Faulted (=1)
B239:24/5	24_STS_NODE_MODE	Global	Node #24 (0=Speed,1=Position)
B239:25	25_STS_NODE	Global	Node #25 Status Word
B239:25/0	25_STS_NODE_ENABLED	Global	Node #25 Enabled (=1)
B239:25/1	25_STS_NODE_RSPNDING	Global	Node #25 Responding (=1)
B239:25/2	25_STS_NODE_READY	Global	Node #25 Ready (=1)
B239:25/3	25_STS_NODE_RUNNING	Global	Node #25 Running (=1)
B239:25/4	25_STS_NODE_FAULTED	Global	Node #25 Faulted (=1)
B239:25/5	25_STS_NODE_MODE	Global	Node #25 (0=Speed,1=Position)
B239:26	26_STS_NODE	Global	Node #26 Status Word
B239:26/0	26_STS_NODE_ENABLED	Global	Node #26 Enabled (=1)
B239:26/1	26_STS_NODE_RSPNDING	Global	Node #26 Responding (=1)
B239:26/2	26_STS_NODE_READY	Global	Node #26 Ready (=1)
B239:26/3	26_STS_NODE_RUNNING	Global	Node #26 Running (=1)
B239:26/4	26_STS_NODE_FAULTED	Global	Node #26 Faulted (=1)
B239:26/5	26_STS_NODE_MODE	Global	Node #26 (0=Speed,1=Position)
B239:27	27_STS_NODE	Global	Node #27 Status Word
B239:27/0	27_STS_NODE_ENABLED	Global	Node #27 Enabled (=1)
B239:27/1	27_STS_NODE_RSPNDING	Global	Node #27 Responding (=1)
B239:27/2	27_STS_NODE_READY	Global	Node #27 Ready (=1)
B239:27/3	27_STS_NODE_RUNNING	Global	Node #27 Running (=1)
B239:27/4	27_STS_NODE_FAULTED	Global	Node #27 Faulted (=1)
B239:27/5	27_STS_NODE_MODE	Global	Node #27 (0=Speed,1=Position)
B239:28	28_STS_NODE	Global	Node #28 Status Word
B239:28/0	28_STS_NODE_ENABLED	Global	Node #28 Enabled (=1)
B239:28/1	28_STS_NODE_RSPNDING	Global	Node #28 Responding (=1)
B239:28/2	28_STS_NODE_READY	Global	Node #28 Ready (=1)
B239:28/3	28_STS_NODE_RUNNING	Global	Node #28 Running (=1)
B239:28/4	28_STS_NODE_FAULTED	Global	Node #28 Faulted (=1)
B239:28/5	28_STS_NODE_MODE	Global	Node #28 (0=Speed,1=Position)
B239:29	29_STS_NODE	Global	Node #29 Status Word
B239:29/0	29_STS_NODE_ENABLED	Global	Node #29 Enabled (=1)
B239:29/1	29_STS_NODE_RSPNDING	Global	Node #29 Responding (=1)
B239:29/2	29_STS_NODE_READY	Global	Node #29 Ready (=1)
B239:29/3	29_STS_NODE_RUNNING	Global	Node #29 Running (=1)
B239:29/4	29_STS_NODE_FAULTED	Global	Node #29 Faulted (=1)
B239:29/5	29_STS_NODE_MODE	Global	Node #29 (0=Speed,1=Position)

Address/Symbol Database

Address	Symbol	Scope	Description
B239:30	30_STS_NODE	Global	Node #30 Status Word
B239:30/0	30_STS_NODE_ENABLED	Global	Node #30 Enabled (=1)
B239:30/1	30_STS_NODE_RSPNDING	Global	Node #30 Responding (=1)
B239:30/2	30_STS_NODE_READY	Global	Node #30 Ready (=1)
B239:30/3	30_STS_NODE_RUNNING	Global	Node #30 Running (=1)
B239:30/4	30_STS_NODE_FAULTED	Global	Node #30 Faulted (=1)
B239:30/5	30_STS_NODE_MODE	Global	Node #30 (0=Speed,1=Position)
B239:[N241:0]/0			Node [#] Enabled
B239:[N241:0]/1			Node [#] Responding
B239:[N241:0]/2			Node [#] Ready
B239:[N241:0]/3			Node [#] Running
B239:[N241:0]/4			Node [#] Faulted
B239:[N241:0]/5			Node [#] Mode
B239:[N241:6]/0			Node [#] Enabled
B240:0	CMD_NODE_ENABL_1_15	Global	Enable Nodes 1-15
B240:0/0			
B240:0/1	1_CMD_NODE_ENABL	Global	Enable Node # 1
B240:0/2	2_CMD_NODE_ENABL	Global	Enable Node # 2
B240:0/3	3_CMD_NODE_ENABL	Global	Enable Node # 3
B240:0/4	4_CMD_NODE_ENABL	Global	Enable Node # 4
B240:0/5	5_CMD_NODE_ENABL	Global	Enable Node # 5
B240:0/6	6_CMD_NODE_ENABL	Global	Enable Node # 6
B240:0/7	7_CMD_NODE_ENABL	Global	Enable Node # 7
B240:0/8	8_CMD_NODE_ENABL	Global	Enable Node # 8
B240:0/9	9_CMD_NODE_ENABL	Global	Enable Node # 9
B240:0/10	10_CMD_NODE_ENABL	Global	Enable Node # 10
B240:0/11	11_CMD_NODE_ENABL	Global	Enable Node # 11
B240:0/12	12_CMD_NODE_ENABL	Global	Enable Node # 12
B240:0/13	13_CMD_NODE_ENABL	Global	Enable Node # 13
B240:0/14	14_CMD_NODE_ENABL	Global	Enable Node # 14
B240:0/15	15_CMD_NODE_ENABL	Global	Enable Node # 15
B240:1	CMD_NODE_ENABL_16_30	Global	Enable Nodes 16-30
B240:1/0	16_CMD_NODE_ENABL	Global	Enable Node # 16
B240:1/1	17_CMD_NODE_ENABL	Global	Enable Node # 17
B240:1/2	18_CMD_NODE_ENABL	Global	Enable Node # 18
B240:1/3	19_CMD_NODE_ENABL	Global	Enable Node # 19
B240:1/4	20_CMD_NODE_ENABL	Global	Enable Node # 20
B240:1/5	21_CMD_NODE_ENABL	Global	Enable Node # 21
B240:1/6	22_CMD_NODE_ENABL	Global	Enable Node # 22
B240:1/7	23_CMD_NODE_ENABL	Global	Enable Node # 23
B240:1/8	24_CMD_NODE_ENABL	Global	Enable Node # 24
B240:1/9	25_CMD_NODE_ENABL	Global	Enable Node # 25
B240:1/10	26_CMD_NODE_ENABL	Global	Enable Node # 26
B240:1/11	27_CMD_NODE_ENABL	Global	Enable Node # 27
B240:1/12	28_CMD_NODE_ENABL	Global	Enable Node # 28
B240:1/13	29_CMD_NODE_ENABL	Global	Enable Node # 29
B240:1/14	30_CMD_NODE_ENABL	Global	Enable Node # 30
B240:2	CMD_NODE_PRMSV_1_15	Global	Disable Operator Screen Mode Nodes 1-15
B240:2/1	1_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 1
B240:2/2	2_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 2
B240:2/3	3_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 3
B240:2/4	4_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 4
B240:2/5	5_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 5
B240:2/6	6_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 6
B240:2/7	7_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 7
B240:2/8	8_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 8
B240:2/9	9_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 9
B240:2/10	10_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 10
B240:2/11	11_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 11
B240:2/12	12_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 12
B240:2/13	13_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 13
B240:2/14	14_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 14
B240:2/15	15_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 15
B240:3	CMD_NODE_PRMSV_16_30	Global	Disable Operator Screen Mode Nodes 16-30
B240:3/0	16_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 16
B240:3/1	17_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 17
B240:3/2	18_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 18
B240:3/3	19_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 19
B240:3/4	20_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 20
B240:3/5	21_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 21
B240:3/6	22_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 22
B240:3/7	23_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 23
B240:3/8	24_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 24
B240:3/9	25_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 25
B240:3/10	26_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 26
B240:3/11	27_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 27
B240:3/12	28_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 28
B240:3/13	29_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 29
B240:3/14	30_CMD_NODE_PRMSV	Global	Disable Operator Screen Mode Node # 30
B240:4	CMD_CURRNT_SCRN_NMBR	Global	Current Screen Number from HMI
B245:0	STS_DRV_NUMBER	Global	Drive Number Data to Display
B245:1	STS_SPEED_DIVISR	Global	Speed Display Divisor
B245:2	STS_AMPS_DIVISR	Global	Amperage Display Divisor
B245:3	STS_VOLTS_DIVISR	Global	Voltage Display Divisor

Address/Symbol Database

Address	Symbol	Scope	Description
B245:4	STS_DCBUSV_DIVISR	Global	DC Bus Voltage Display Divisor
B245:5	STS_SCRN	Global	Current Screen Control Status
B245:5/0	STS_SCRN_OPER	Global	Screen Mode Operator Oper(=1)/Prog(=0)
B245:5/1	STS_SCRN_PROG	Global	Screen Mode Program Oper(=0)/Prog(=1)
B245:5/2	STS_SCRN_VEL	Global	Screen Mode Velocity Vel(=1)/Pos(=0)
B245:5/3	STS_SCRN_POS	Global	Screen Mode Position Vel(=0)/Pos(=1)
B245:5/4	STS_SCRN_OPER_FLT	Global	Screen Mode Operator AND Fault = 1
B245:5/5	STS_SCRN_OPER_VEL	Global	Screen Mode Operator AND Velocity = 1
B245:5/6	STS_SCRN_OPER_POS	Global	Screen Mode Operator AND Position = 1
B245:5/7	STS_SCRN_OPER_STOPPD	Global	Screen Mode Operator AND Drv Stopped = 1
B245:5/8	STS_SCRN_PROG_VEL	Global	Screen Mode Program AND Velocity = 1
B245:6	STS_NODESTS	Global	Current Screen Node Status
B245:6/0	STS_NODESTS_ENABLED	Global	Displayed Drive Enabled (=1)
B245:6/1	STS_NODESTS_RSPNDING	Global	Displayed Drive Responding (=1)
B245:6/2	STS_NODESTS_READY	Global	Displayed Drive Ready (=1)
B245:6/3	STS_NODESTS_RUNNING	Global	Displayed Drive Running (=1)
B245:6/4	STS_NODESTS_FAULTED	Global	Displayed Drive Faulted (=1)
B245:7			PF4 Class Drive Type
B245:8	STS_DRVSTS	Global	Logic Status
B245:8/0	STS_DRVSTS_READY	Global	Ready (=1)
B245:8/1	STS_DRVSTS_ACTIV	Global	Active (=1)
B245:8/2	STS_DRVSTS_CMDDIR	Global	Commanded Direction (1=FWD, 0=REV)
B245:8/3	STS_DRVSTS_ROTDIR	Global	Rotating Direction (1=FWD, 0=REV)
B245:8/4	STS_DRVSTS_ACCEL	Global	Accelerating (=1)
B245:8/5	STS_DRVSTS_DECEL	Global	Decelerating (=1)
B245:8/6	STS_DRVSTS_ALARM	Global	In Alarm (=1)
B245:8/7	STS_DRVSTS_FAULT	Global	Faulted (=1)
B245:8/8	STS_DRVSTS_ATREF	Global	At Reference (=1)
B245:8/9	STS_DRVSTS_REFCC	Global	Reference Controlled by Comm
B245:8/10	STS_DRVSTS_CMDCC	Global	Operation Cmd Controlled by Comm
B245:8/11	STS_DRVSTS_PARLK	Global	Parameters have been locked
B245:8/12	STS_DRVSTS_INP1	Global	Digital Input 1 Status
B245:8/13	STS_DRVSTS_INP2	Global	Digital Input 2 Status
B245:8/14	STS_DRVSTS_INP3	Global	Digital Input 3 Status
B245:8/15	STS_DRVSTS_INP4	Global	Digital Input 4 Status
B245:9	STS_FAULT_CODE	Global	Fault Code
B245:10	STS_REF_SPEED	Global	Commanded Speed
B245:11	STS_SPEED_FDBCK	Global	Speed Feedback
B245:12	STS_OUTPT_CURRNT	Global	Output Current
B245:13	STS_DCBUS_VOLTAG	Global	DC Bus Voltage
B245:14	STS_OUTPT_VOLTAG	Global	Output Voltage
B245:15	STS_POSSTS	Global	Logic Status
B245:15/0	STS_POSSTS_READY	Global	Ready
B245:15/1	STS_POSSTS_ACTIV	Global	Active
B245:15/2	STS_POSSTS_CMDDIR	Global	Commanded Direction (1=FWD, 0=REV)
B245:15/3	STS_POSSTS_ROTDIR	Global	Rotating Direction (1=FWD, 0=REV)
B245:15/4	STS_POSSTS_ACCEL	Global	Accelerating (=1)
B245:15/5	STS_POSSTS_DECEL	Global	Decelerating (=1)
B245:15/6	STS_POSSTS_TRVPOS	Global	Travel Position (1=FWD, 0=REV)
B245:15/7	STS_POSSTS_FAULT	Global	Faulted (=1)
B245:15/8	STS_POSSTS_ATREF	Global	At Reference (=1)
B245:15/9	STS_POSSTS_ATPOS	Global	At Position (=1)
B245:15/10	STS_POSSTS_ATHOME	Global	At Home (=1)
B245:15/11	STS_POSSTS_HOMED	Global	Drive Homed (=1)
B245:15/12	STS_POSSTS_SNCHLD	Global	Sync Hold (=1)
B245:15/13	STS_POSSTS_SNCRMP	Global	Sync Ramp (=1)
B245:15/14	STS_POSSTS_TRAVON	Global	Traverse On (=1)
B245:15/15	STS_POSSTS_TRAVDE	Global	Traverse Decel (=1)
B245:16	STS_PARM_POS_STEP	Global	b028 Step# of Position Operation
B245:17	STS_PARM_SPD_SRC	Global	P038 Speed Source (5=network) (9=positioning)
B245:50	1_STS_DRV_TYPE	Global	Drv #1 PF4 Class Drive Type
B245:51	1_STS_DRVSTS	Global	Drv #1 Logic Status
B245:51/0	1_STS_DRVSTS_READY	Global	Drv #1 Ready
B245:51/1	1_STS_DRVSTS_ACTIV	Global	Drv #1 Active
B245:51/2	1_STS_DRVSTS_CMDDIR	Global	Drv #1 Commanded Direction (1=FWD, 0=REV)
B245:51/3	1_STS_DRVSTS_ROTDIR	Global	Drv #1 Rotating Direction (1=FWD, 0=REV)
B245:51/4	1_STS_DRVSTS_ACCEL	Global	Drv #1 Accelerating
B245:51/5	1_STS_DRVSTS_DECEL	Global	Drv #1 Decelerating
B245:51/6	1_STS_DRVSTS_ALARM	Global	Drv #1 Alarm
B245:51/7	1_STS_DRVSTS_FAULT	Global	Drv #1 Faulted
B245:51/8	1_STS_DRVSTS_ATREF	Global	Drv #1 At Reference
B245:51/9	1_STS_DRVSTS_REFCC	Global	Drv #1 Reference Controlled by Comm
B245:51/10	1_STS_DRVSTS_CMDCC	Global	Drv #1 Operation Cmd Controlled by Comm
B245:51/11	1_STS_DRVSTS_PARLK	Global	Drv #1 Parameters have been locked
B245:51/12	1_STS_DRVSTS_DGIN1	Global	Drv #1 Digital Input 1 Status
B245:51/13	1_STS_DRVSTS_DGIN2	Global	Drv #1 Digital Input 2 Status
B245:51/14	1_STS_DRVSTS_DGIN3	Global	Drv #1 Digital Input 3 Status
B245:51/15	1_STS_DRVSTS_DGIN4	Global	Drv #1 Digital Input 4 Status
B245:52	1_STS_FAULT_CODE	Global	Drv #1 Fault Code
B245:53	1_STS_CMD_SPEED	Global	Drv #1 Commanded Speed
B245:54	1_STS_SPEED_FDBCK	Global	Drv #1 Speed Feedback
B245:55	1_STS_OUTPT_CURRNT	Global	Drv #1 Output Current
B245:56	1_STS_DCBUS_VOLTAG	Global	Drv #1 DC Bus Voltage
B245:57	1_STS_OUTPT_VOLTAG	Global	Drv #1 Output Voltage

Address/Symbol Database

Address	Symbol	Scope	Description
B245:58	1_STS_POSSTS	Global	Drv #1 Logic Status
B245:58/0	1_STS_POSSTS_READY	Global	Drv #1 Ready
B245:58/1	1_STS_POSSTS_ACTIV	Global	Drv #1 Active
B245:58/2	1_STS_POSSTS_CMDDIR	Global	Drv #1 Commanded Direction (1=FWD, 0=REV)
B245:58/3	1_STS_POSSTS_ROTDIR	Global	Drv #1 Rotating Direction (1=FWD, 0=REV)
B245:58/4	1_STS_POSSTS_ACCEL	Global	Drv #1 Accelerating (=1)
B245:58/5	1_STS_POSSTS_DECEL	Global	Drv #1 Decelerating (=1)
B245:58/6	1_STS_POSSTS_TRVPOS	Global	Drv #1 Travel Position (1=FWD, 0=REV)
B245:58/7	1_STS_POSSTS_FAULT	Global	Drv #1 Faulted (=1)
B245:58/8	1_STS_POSSTS_ATREF	Global	Drv #1 At Reference (=1)
B245:58/9	1_STS_POSSTS_ATPOS	Global	Drv #1 At Position (=1)
B245:58/10	1_STS_POSSTS_ATHOME	Global	Drv #1 At Home (=1)
B245:58/11	1_STS_POSSTS_HOMED	Global	Drv #1 Drive Homed (=1)
B245:58/12	1_STS_POSSTS_SNCHLD	Global	Drv #1 Sync Hold (=1)
B245:58/13	1_STS_POSSTS_SNCRMP	Global	Drv #1 Sync Ramp (=1)
B245:58/14	1_STS_POSSTS_TRAVON	Global	Drv #1 Traverse On (=1)
B245:58/15	1_STS_POSSTS_TRAVDE	Global	Drv #1 Traverse Decel (=1)
B245:59	1_STS_PARM_POS_STEP	Global	Drv #1 b028 Step# of Position Operation
B245:60	1_STS_PARM_SPD_SRC	Global	Drv #1 P038 Speed Source (5=network) (9=positioning)
B245:61	2_STS_DRV_TYPE	Global	Drv #2 PF4 Class Drive Type
B245:62	2_STS_DRVSTS	Global	Drv #2 Logic Status
B245:62/0	2_STS_DRVSTS_READY	Global	Drv #2 Ready
B245:62/1	2_STS_DRVSTS_ACTIV	Global	Drv #2 Active
B245:62/2	2_STS_DRVSTS_CMDDIR	Global	Drv #2 Commanded Direction (1=FWD, 0=REV)
B245:62/3	2_STS_DRVSTS_ROTDIR	Global	Drv #2 Rotating Direction (1=FWD, 0=REV)
B245:62/4	2_STS_DRVSTS_ACCEL	Global	Drv #2 Accelerating
B245:62/5	2_STS_DRVSTS_DECEL	Global	Drv #2 Decelerating
B245:62/6	2_STS_DRVSTS_ALARM	Global	Drv #2 Alarm
B245:62/7	2_STS_DRVSTS_FAULT	Global	Drv #2 Faulted
B245:62/8	2_STS_DRVSTS_ATREF	Global	Drv #2 At Reference
B245:62/9	2_STS_DRVSTS_REFCC	Global	Drv #2 Reference Controlled by Comm
B245:62/10	2_STS_DRVSTS_CMDCC	Global	Drv #2 Operation Cmd Controlled by Comm
B245:62/11	2_STS_DRVSTS_PARLK	Global	Drv #2 Parameters have been locked
B245:62/12	2_STS_DRVSTS_DGIN1	Global	Drv #2 Digital Input 1 Status
B245:62/13	2_STS_DRVSTS_DGIN2	Global	Drv #2 Digital Input 2 Status
B245:62/14	2_STS_DRVSTS_DGIN3	Global	Drv #2 Digital Input 3 Status
B245:62/15	2_STS_DRVSTS_DGIN4	Global	Drv #2 Digital Input 4 Status
B245:63	2_STS_FAULT_CODE	Global	Drv #2 Fault Code
B245:64	2_STS_CMD_SPEED	Global	Drv #2 Commanded Speed
B245:65	2_STS_SPEED_FDBCK	Global	Drv #2 Speed Feedback
B245:66	2_STS_OUTPT_CURRNT	Global	Drv #2 Output Current
B245:67	2_STS_DCBUS_VOLTAG	Global	Drv #2 DC Bus Voltage
B245:68	2_STS_OUTPT_VOLTAG	Global	Drv #2 Output Voltage
B245:69	2_STS_POSSTS	Global	Drv #2 Logic Status
B245:69/0	2_STS_POSSTS_READY	Global	Drv #2 Ready
B245:69/1	2_STS_POSSTS_ACTIV	Global	Drv #2 Active
B245:69/2	2_STS_POSSTS_CMDDIR	Global	Drv #2 Commanded Direction (1=FWD, 0=REV)
B245:69/3	2_STS_POSSTS_ROTDIR	Global	Drv #2 Rotating Direction (1=FWD, 0=REV)
B245:69/4	2_STS_POSSTS_ACCEL	Global	Drv #2 Accelerating (=1)
B245:69/5	2_STS_POSSTS_DECEL	Global	Drv #2 Decelerating (=1)
B245:69/6	2_STS_POSSTS_TRVPOS	Global	Drv #2 Travel Position (1=FWD, 0=REV)
B245:69/7	2_STS_POSSTS_FAULT	Global	Drv #2 Faulted (=1)
B245:69/8	2_STS_POSSTS_ATREF	Global	Drv #2 At Reference (=1)
B245:69/9	2_STS_POSSTS_ATPOS	Global	Drv #2 At Position (=1)
B245:69/10	2_STS_POSSTS_ATHOME	Global	Drv #2 At Home (=1)
B245:69/11	2_STS_POSSTS_HOMED	Global	Drv #2 Drive Homed (=1)
B245:69/12	2_STS_POSSTS_SNCHLD	Global	Drv #2 Sync Hold (=1)
B245:69/13	2_STS_POSSTS_SNCRMP	Global	Drv #2 Sync Ramp (=1)
B245:69/14	2_STS_POSSTS_TRAVON	Global	Drv #2 Traverse On (=1)
B245:69/15	2_STS_POSSTS_TRAVDE	Global	Drv #2 Traverse Decel (=1)
B245:70	2_STS_PARM_POS_STEP	Global	Drv #2 b028 Step# of Position Operation
B245:71	2_STS_PARM_SPD_SRC	Global	Drv #2 P038 Speed Source (5=network) (9=positioning)
B245:72	3_STS_DRV_TYPE	Global	Drv #3 PF4 Class Drive Type
B245:73	3_STS_DRVSTS	Global	Drv #3 Logic Status
B245:73/0	3_STS_DRVSTS_READY	Global	Drv #3 Ready
B245:73/1	3_STS_DRVSTS_ACTIV	Global	Drv #3 Active
B245:73/2	3_STS_DRVSTS_CMDDIR	Global	Drv #3 Commanded Direction (1=FWD, 0=REV)
B245:73/3	3_STS_DRVSTS_ROTDIR	Global	Drv #3 Rotating Direction (1=FWD, 0=REV)
B245:73/4	3_STS_DRVSTS_ACCEL	Global	Drv #3 Accelerating
B245:73/5	3_STS_DRVSTS_DECEL	Global	Drv #3 Decelerating
B245:73/6	3_STS_DRVSTS_ALARM	Global	Drv #3 Alarm
B245:73/7	3_STS_DRVSTS_FAULT	Global	Drv #3 Faulted
B245:73/8	3_STS_DRVSTS_ATREF	Global	Drv #3 At Reference
B245:73/9	3_STS_DRVSTS_REFCC	Global	Drv #3 Reference Controlled by Comm
B245:73/10	3_STS_DRVSTS_CMDCC	Global	Drv #3 Operation Cmd Controlled by Comm
B245:73/11	3_STS_DRVSTS_PARLK	Global	Drv #3 Parameters have been locked
B245:73/12	3_STS_DRVSTS_DGIN1	Global	Drv #3 Digital Input 1 Status
B245:73/13	3_STS_DRVSTS_DGIN2	Global	Drv #3 Digital Input 2 Status
B245:73/14	3_STS_DRVSTS_DGIN3	Global	Drv #3 Digital Input 3 Status
B245:73/15	3_STS_DRVSTS_DGIN4	Global	Drv #3 Digital Input 4 Status
B245:74	3_STS_FAULT_CODE	Global	Drv #3 Fault Code
B245:75	3_STS_CMD_SPEED	Global	Drv #3 Commanded Speed
B245:76	3_STS_SPEED_FDBCK	Global	Drv #3 Speed Feedback
B245:77	3_STS_OUTPT_CURRNT	Global	Drv #3 Output Current

Address/Symbol Database

Address	Symbol	Scope	Description
B245:78	3_STS_DCBUS_VOLTAG	Global	Drv #3 DC Bus Voltage
B245:79	3_STS_OUTPT_VOLTAG	Global	Drv #3 Output Voltage
B245:80	3_STS_POSSTS	Global	Drv #3 Logic Status
B245:80/0	3_STS_POSSTS_READY	Global	Drv #3 Ready
B245:80/1	3_STS_POSSTS_ACTIV	Global	Drv #3 Active
B245:80/2	3_STS_POSSTS_CMDDIR	Global	Drv #3 Commanded Direction (1=FWD, 0=REV)
B245:80/3	3_STS_POSSTS_ROTDIR	Global	Drv #3 Rotating Direction (1=FWD, 0=REV)
B245:80/4	3_STS_POSSTS_ACCEL	Global	Drv #3 Accelerating (=1)
B245:80/5	3_STS_POSSTS_DECEL	Global	Drv #3 Decelerating (=1)
B245:80/6	3_STS_POSSTS_TRVPOS	Global	Drv #3 Travel Position (1=FWD, 0=REV)
B245:80/7	3_STS_POSSTS_FAULT	Global	Drv #3 Faulted (=1)
B245:80/8	3_STS_POSSTS_ATREF	Global	Drv #3 At Reference (=1)
B245:80/9	3_STS_POSSTS_ATPOS	Global	Drv #3 At Position (=1)
B245:80/10	3_STS_POSSTS_ATHOME	Global	Drv #3 At Home (=1)
B245:80/11	3_STS_POSSTS_HOMED	Global	Drv #3 Drive Homed (=1)
B245:80/12	3_STS_POSSTS_SNCHLD	Global	Drv #3 Sync Hold (=1)
B245:80/13	3_STS_POSSTS_SNCRMP	Global	Drv #3 Sync Ramp (=1)
B245:80/14	3_STS_POSSTS_TRAVON	Global	Drv #3 Traverse On (=1)
B245:80/15	3_STS_POSSTS_TRAVDE	Global	Drv #3 Traverse Decel (=1)
B245:81	3_STS_PARM_POS_STEP	Global	Drv #3 b028 Step# of Position Operation
B245:82	3_STS_PARM_SPD_SRC	Global	Drv #3 P038 Speed Source (5=network) (9=positioning)
B245:83	4_STS_DRV_TYPE	Global	Drv #4 PF4 Class Drive Type
B245:84	4_STS_DRVSTS	Global	Drv #4 Logic Status
B245:84/0	4_STS_DRVSTS_READY	Global	Drv #4 Ready
B245:84/1	4_STS_DRVSTS_ACTIV	Global	Drv #4 Active
B245:84/2	4_STS_DRVSTS_CMDDIR	Global	Drv #4 Commanded Direction (1=FWD, 0=REV)
B245:84/3	4_STS_DRVSTS_ROTDIR	Global	Drv #4 Rotating Direction (1=FWD, 0=REV)
B245:84/4	4_STS_DRVSTS_ACCEL	Global	Drv #4 Accelerating
B245:84/5	4_STS_DRVSTS_DECEL	Global	Drv #4 Decelerating
B245:84/6	4_STS_DRVSTS_ALARM	Global	Drv #4 Alarm
B245:84/7	4_STS_DRVSTS_FAULT	Global	Drv #4 Faulted
B245:84/8	4_STS_DRVSTS_ATREF	Global	Drv #4 At Reference
B245:84/9	4_STS_DRVSTS_REFCC	Global	Drv #4 Reference Controlled by Comm
B245:84/10	4_STS_DRVSTS_CMDCC	Global	Drv #4 Operation Cmd Controlled by Comm
B245:84/11	4_STS_DRVSTS_PARLK	Global	Drv #4 Parameters have been locked
B245:84/12	4_STS_DRVSTS_DGIN1	Global	Drv #4 Digital Input 1 Status
B245:84/13	4_STS_DRVSTS_DGIN2	Global	Drv #4 Digital Input 2 Status
B245:84/14	4_STS_DRVSTS_DGIN3	Global	Drv #4 Digital Input 3 Status
B245:84/15	4_STS_DRVSTS_DGIN4	Global	Drv #4 Digital Input 4 Status
B245:85	4_STS_FAULT_CODE	Global	Drv #4 Fault Code
B245:86	4_STS_CMD_SPEED	Global	Drv #4 Commanded Speed
B245:87	4_STS_SPEED_FDBCK	Global	Drv #4 Speed Feedback
B245:88	4_STS_OUTPT_CURRNT	Global	Drv #4 Output Current
B245:89	4_STS_DCBUS_VOLTAG	Global	Drv #4 DC Bus Voltage
B245:90	4_STS_OUTPT_VOLTAG	Global	Drv #4 Output Voltage
B245:91	4_STS_POSSTS	Global	Drv #4 Logic Status
B245:91/0	4_STS_POSSTS_READY	Global	Drv #4 Ready
B245:91/1	4_STS_POSSTS_ACTIV	Global	Drv #4 Active
B245:91/2	4_STS_POSSTS_CMDDIR	Global	Drv #4 Commanded Direction (1=FWD, 0=REV)
B245:91/3	4_STS_POSSTS_ROTDIR	Global	Drv #4 Rotating Direction (1=FWD, 0=REV)
B245:91/4	4_STS_POSSTS_ACCEL	Global	Drv #4 Accelerating (=1)
B245:91/5	4_STS_POSSTS_DECEL	Global	Drv #4 Decelerating (=1)
B245:91/6	4_STS_POSSTS_TRVPOS	Global	Drv #4 Travel Position (1=FWD, 0=REV)
B245:91/7	4_STS_POSSTS_FAULT	Global	Drv #4 Faulted (=1)
B245:91/8	4_STS_POSSTS_ATREF	Global	Drv #4 At Reference (=1)
B245:91/9	4_STS_POSSTS_ATPOS	Global	Drv #4 At Position (=1)
B245:91/10	4_STS_POSSTS_ATHOME	Global	Drv #4 At Home (=1)
B245:91/11	4_STS_POSSTS_HOMED	Global	Drv #4 Drive Homed (=1)
B245:91/12	4_STS_POSSTS_SNCHLD	Global	Drv #4 Sync Hold (=1)
B245:91/13	4_STS_POSSTS_SNCRMP	Global	Drv #4 Sync Ramp (=1)
B245:91/14	4_STS_POSSTS_TRAVON	Global	Drv #4 Traverse On (=1)
B245:91/15	4_STS_POSSTS_TRAVDE	Global	Drv #4 Traverse Decel (=1)
B245:92	4_STS_PARM_POS_STEP	Global	Drv #4 b028 Step# of Position Operation
B245:93	4_STS_PARM_SPD_SRC	Global	Drv #4 P038 Speed Source (5=network) (9=positioning)
B245:94	5_STS_DRV_TYPE	Global	Drv #5 PF4 Class Drive Type
B245:95	5_STS_DRVSTS	Global	Drv #5 Logic Status
B245:95/0	5_STS_DRVSTS_READY	Global	Drv #5 Ready
B245:95/1	5_STS_DRVSTS_ACTIV	Global	Drv #5 Active
B245:95/2	5_STS_DRVSTS_CMDDIR	Global	Drv #5 Commanded Direction (1=FWD, 0=REV)
B245:95/3	5_STS_DRVSTS_ROTDIR	Global	Drv #5 Rotating Direction (1=FWD, 0=REV)
B245:95/4	5_STS_DRVSTS_ACCEL	Global	Drv #5 Accelerating
B245:95/5	5_STS_DRVSTS_DECEL	Global	Drv #5 Decelerating
B245:95/6	5_STS_DRVSTS_ALARM	Global	Drv #5 Alarm
B245:95/7	5_STS_DRVSTS_FAULT	Global	Drv #5 Faulted
B245:95/8	5_STS_DRVSTS_ATREF	Global	Drv #5 At Reference
B245:95/9	5_STS_DRVSTS_REFCC	Global	Drv #5 Reference Controlled by Comm
B245:95/10	5_STS_DRVSTS_CMDCC	Global	Drv #5 Operation Cmd Controlled by Comm
B245:95/11	5_STS_DRVSTS_PARLK	Global	Drv #5 Parameters have been locked
B245:95/12	5_STS_DRVSTS_DGIN1	Global	Drv #5 Digital Input 1 Status
B245:95/13	5_STS_DRVSTS_DGIN2	Global	Drv #5 Digital Input 2 Status
B245:95/14	5_STS_DRVSTS_DGIN3	Global	Drv #5 Digital Input 3 Status
B245:95/15	5_STS_DRVSTS_DGIN4	Global	Drv #5 Digital Input 4 Status
B245:96	5_STS_FAULT_CODE	Global	Drv #5 Fault Code
B245:97	5_STS_CMD_SPEED	Global	Drv #5 Commanded Speed

Address/Symbol Database

Address	Symbol	Scope	Description
B245:98	5_STS_SPEED_FDBCK	Global	Drv #5 Speed Feedback
B245:99	5_STS_OUTPT_CURRNT	Global	Drv #5 Output Current
B245:100	5_STS_DCBUS_VOLTAG	Global	Drv #5 DC Bus Voltage
B245:101	5_STS_OUTPT_VOLTAG	Global	Drv #5 Output Voltage
B245:102	5_STS_POSSTS	Global	Drv #5 Logic Status
B245:102/0	5_STS_POSSTS_READY	Global	Drv #5 Ready
B245:102/1	5_STS_POSSTS_ACTIV	Global	Drv #5 Active
B245:102/2	5_STS_POSSTS_CMDDIR	Global	Drv #5 Commanded Direction (1=FWD, 0=REV)
B245:102/3	5_STS_POSSTS_ROTDIR	Global	Drv #5 Rotating Direction (1=FWD, 0=REV)
B245:102/4	5_STS_POSSTS_ACCEL	Global	Drv #5 Accelerating (=1)
B245:102/5	5_STS_POSSTS_DECEL	Global	Drv #5 Decelerating (=1)
B245:102/6	5_STS_POSSTS_TRVPOS	Global	Drv #5 Travel Position (1=FWD, 0=REV)
B245:102/7	5_STS_POSSTS_FAULT	Global	Drv #5 Faulted (=1)
B245:102/8	5_STS_POSSTS_ATREF	Global	Drv #5 At Reference (=1)
B245:102/9	5_STS_POSSTS_ATPOS	Global	Drv #5 At Position (=1)
B245:102/10	5_STS_POSSTS_ATHOME	Global	Drv #5 At Home (=1)
B245:102/11	5_STS_POSSTS_HOMED	Global	Drv #5 Drive Homed (=1)
B245:102/12	5_STS_POSSTS_SNCHLD	Global	Drv #5 Sync Hold (=1)
B245:102/13	5_STS_POSSTS_SNCRMP	Global	Drv #5 Sync Ramp (=1)
B245:102/14	5_STS_POSSTS_TRAVON	Global	Drv #5 Traverse On (=1)
B245:102/15	5_STS_POSSTS_TRAVDE	Global	Drv #5 Traverse Decel (=1)
B245:103	5_STS_PARM_POS_STEP	Global	Drv #5 b028 Step# of Position Operation
B245:104	5_STS_PARM_SPD_SRC	Global	Drv #5 P038 Speed Source (5=network) (9=positioning)
B245:105	6_STS_DRV_TYPE	Global	Drv #6 PF4 Class Drive Type
B245:106	6_STS_DRVSTS	Global	Drv #6 Logic Status
B245:106/0	6_STS_DRVSTS_READY	Global	Drv #6 Ready
B245:106/1	6_STS_DRVSTS_ACTIV	Global	Drv #6 Active
B245:106/2	6_STS_DRVSTS_CMDDIR	Global	Drv #6 Commanded Direction (1=FWD, 0=REV)
B245:106/3	6_STS_DRVSTS_ROTDIR	Global	Drv #6 Rotating Direction (1=FWD, 0=REV)
B245:106/4	6_STS_DRVSTS_ACCEL	Global	Drv #6 Accelerating
B245:106/5	6_STS_DRVSTS_DECEL	Global	Drv #6 Decelerating
B245:106/6	6_STS_DRVSTS_ALARM	Global	Drv #6 Alarm
B245:106/7	6_STS_DRVSTS_FAULT	Global	Drv #6 Faulted
B245:106/8	6_STS_DRVSTS_ATREF	Global	Drv #6 At Reference
B245:106/9	6_STS_DRVSTS_REFCC	Global	Drv #6 Reference Controlled by Comm
B245:106/10	6_STS_DRVSTS_CMDCC	Global	Drv #6 Operation Cmd Controlled by Comm
B245:106/11	6_STS_DRVSTS_PARLK	Global	Drv #6 Parameters have been locked
B245:106/12	6_STS_DRVSTS_DGIN1	Global	Drv #6 Digital Input 1 Status
B245:106/13	6_STS_DRVSTS_DGIN2	Global	Drv #6 Digital Input 2 Status
B245:106/14	6_STS_DRVSTS_DGIN3	Global	Drv #6 Digital Input 3 Status
B245:106/15	6_STS_DRVSTS_DGIN4	Global	Drv #6 Digital Input 4 Status
B245:107	6_STS_FAULT_CODE	Global	Drv #6 Fault Code
B245:108	6_STS_CMD_SPEED	Global	Drv #6 Commanded Speed
B245:109	6_STS_SPEED_FDBCK	Global	Drv #6 Speed Feedback
B245:110	6_STS_OUTPT_CURRNT	Global	Drv #6 Output Current
B245:111	6_STS_DCBUS_VOLTAG	Global	Drv #6 DC Bus Voltage
B245:112	6_STS_OUTPT_VOLTAG	Global	Drv #6 Output Voltage
B245:113	6_STS_POSSTS	Global	Drv #6 Logic Status
B245:113/0	6_STS_POSSTS_READY	Global	Drv #6 Ready
B245:113/1	6_STS_POSSTS_ACTIV	Global	Drv #6 Active
B245:113/2	6_STS_POSSTS_CMDDIR	Global	Drv #6 Commanded Direction (1=FWD, 0=REV)
B245:113/3	6_STS_POSSTS_ROTDIR	Global	Drv #6 Rotating Direction (1=FWD, 0=REV)
B245:113/4	6_STS_POSSTS_ACCEL	Global	Drv #6 Accelerating (=1)
B245:113/5	6_STS_POSSTS_DECEL	Global	Drv #6 Decelerating (=1)
B245:113/6	6_STS_POSSTS_TRVPOS	Global	Drv #6 Travel Position (1=FWD, 0=REV)
B245:113/7	6_STS_POSSTS_FAULT	Global	Drv #6 Faulted (=1)
B245:113/8	6_STS_POSSTS_ATREF	Global	Drv #6 At Reference (=1)
B245:113/9	6_STS_POSSTS_ATPOS	Global	Drv #6 At Position (=1)
B245:113/10	6_STS_POSSTS_ATHOME	Global	Drv #6 At Home (=1)
B245:113/11	6_STS_POSSTS_HOMED	Global	Drv #6 Drive Homed (=1)
B245:113/12	6_STS_POSSTS_SNCHLD	Global	Drv #6 Sync Hold (=1)
B245:113/13	6_STS_POSSTS_SNCRMP	Global	Drv #6 Sync Ramp (=1)
B245:113/14	6_STS_POSSTS_TRAVON	Global	Drv #6 Traverse On (=1)
B245:113/15	6_STS_POSSTS_TRAVDE	Global	Drv #6 Traverse Decel (=1)
B245:114	6_STS_PARM_POS_STEP	Global	Drv #6 b028 Step# of Position Operation
B245:115	6_STS_PARM_SPD_SRC	Global	Drv #6 P038 Speed Source (5=network) (9=positioning)
B245:116	7_STS_DRV_TYPE	Global	Drv #7 PF4 Class Drive Type
B245:117	7_STS_DRVSTS	Global	Drv #7 Logic Status
B245:117/0	7_STS_DRVSTS_READY	Global	Drv #7 Ready
B245:117/1	7_STS_DRVSTS_ACTIV	Global	Drv #7 Active
B245:117/2	7_STS_DRVSTS_CMDDIR	Global	Drv #7 Commanded Direction (1=FWD, 0=REV)
B245:117/3	7_STS_DRVSTS_ROTDIR	Global	Drv #7 Rotating Direction (1=FWD, 0=REV)
B245:117/4	7_STS_DRVSTS_ACCEL	Global	Drv #7 Accelerating
B245:117/5	7_STS_DRVSTS_DECEL	Global	Drv #7 Decelerating
B245:117/6	7_STS_DRVSTS_ALARM	Global	Drv #7 Alarm
B245:117/7	7_STS_DRVSTS_FAULT	Global	Drv #7 Faulted
B245:117/8	7_STS_DRVSTS_ATREF	Global	Drv #7 At Reference
B245:117/9	7_STS_DRVSTS_REFCC	Global	Drv #7 Reference Controlled by Comm
B245:117/10	7_STS_DRVSTS_CMDCC	Global	Drv #7 Operation Cmd Controlled by Comm
B245:117/11	7_STS_DRVSTS_PARLK	Global	Drv #7 Parameters have been locked
B245:117/12	7_STS_DRVSTS_DGIN1	Global	Drv #7 Digital Input 1 Status
B245:117/13	7_STS_DRVSTS_DGIN2	Global	Drv #7 Digital Input 2 Status
B245:117/14	7_STS_DRVSTS_DGIN3	Global	Drv #7 Digital Input 3 Status
B245:117/15	7_STS_DRVSTS_DGIN4	Global	Drv #7 Digital Input 4 Status

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Address	Symbol	Scope	Description
B245:118	7_STS_FAULT_CODE	Global	Drv #7 Fault Code
B245:119	7_STS_CMD_SPEED	Global	Drv #7 Commanded Speed
B245:120	7_STS_SPEED_FDBCK	Global	Drv #7 Speed Feedback
B245:121	7_STS_OUTPT_CURRNT	Global	Drv #7 Output Current
B245:122	7_STS_DCBUS_VOLTAG	Global	Drv #7 DC Bus Voltage
B245:123	7_STS_OUTPT_VOLTAG	Global	Drv #7 Output Voltage
B245:124	7_STS_POSSTS	Global	Drv #7 Logic Status
B245:124/0	7_STS_POSSTS_READY	Global	Drv #7 Ready
B245:124/1	7_STS_POSSTS_ACTIV	Global	Drv #7 Active
B245:124/2	7_STS_POSSTS_CMDDIR	Global	Drv #7 Commanded Direction (1=FWD, 0=REV)
B245:124/3	7_STS_POSSTS_ROTDIR	Global	Drv #7 Rotating Direction (1=FWD, 0=REV)
B245:124/4	7_STS_POSSTS_ACCEL	Global	Drv #7 Accelerating (=1)
B245:124/5	7_STS_POSSTS_DECEL	Global	Drv #7 Decelerating (=1)
B245:124/6	7_STS_POSSTS_TRVPOS	Global	Drv #7 Travel Position (1=FWD, 0=REV)
B245:124/7	7_STS_POSSTS_FAULT	Global	Drv #7 Faulted (=1)
B245:124/8	7_STS_POSSTS_ATREF	Global	Drv #7 At Reference (=1)
B245:124/9	7_STS_POSSTS_ATPOS	Global	Drv #7 At Position (=1)
B245:124/10	7_STS_POSSTS_ATHOME	Global	Drv #7 At Home (=1)
B245:124/11	7_STS_POSSTS_HOMED	Global	Drv #7 Drive Homed (=1)
B245:124/12	7_STS_POSSTS_SNCHLD	Global	Drv #7 Sync Hold (=1)
B245:124/13	7_STS_POSSTS_SNCRMP	Global	Drv #7 Sync Ramp (=1)
B245:124/14	7_STS_POSSTS_TRAVON	Global	Drv #7 Traverse On (=1)
B245:124/15	7_STS_POSSTS_TRAVDE	Global	Drv #7 Traverse Decel (=1)
B245:125	7_STS_PARM_POS_STEP	Global	Drv #7 b028 Step# of Position Operation
B245:126	7_STS_PARM_SPD_SRC	Global	Drv #7 P038 Speed Source (5=network) (9=positioning)
B245:127	8_STS_DRV_TYPE	Global	Drv #8 PF4 Class Drive Type
B245:128	8_STS_DRVSTS	Global	Drv #8 Logic Status
B245:128/0	8_STS_DRVSTS_READY	Global	Drv #8 Ready
B245:128/1	8_STS_DRVSTS_ACTIV	Global	Drv #8 Active
B245:128/2	8_STS_DRVSTS_CMDDIR	Global	Drv #8 Commanded Direction (1=FWD, 0=REV)
B245:128/3	8_STS_DRVSTS_ROTDIR	Global	Drv #8 Rotating Direction (1=FWD, 0=REV)
B245:128/4	8_STS_DRVSTS_ACCEL	Global	Drv #8 Accelerating
B245:128/5	8_STS_DRVSTS_DECEL	Global	Drv #8 Decelerating
B245:128/6	8_STS_DRVSTS_ALARM	Global	Drv #8 Alarm
B245:128/7	8_STS_DRVSTS_FAULT	Global	Drv #8 Faulted
B245:128/8	8_STS_DRVSTS_ATREF	Global	Drv #8 At Reference
B245:128/9	8_STS_DRVSTS_REFCC	Global	Drv #8 Reference Controlled by Comm
B245:128/10	8_STS_DRVSTS_CMDCC	Global	Drv #8 Operation Cmd Controlled by Comm
B245:128/11	8_STS_DRVSTS_PARLK	Global	Drv #8 Parameters have been locked
B245:128/12	8_STS_DRVSTS_DGIN1	Global	Drv #8 Digital Input 1 Status
B245:128/13	8_STS_DRVSTS_DGIN2	Global	Drv #8 Digital Input 2 Status
B245:128/14	8_STS_DRVSTS_DGIN3	Global	Drv #8 Digital Input 3 Status
B245:128/15	8_STS_DRVSTS_DGIN4	Global	Drv #8 Digital Input 4 Status
B245:129	8_STS_FAULT_CODE	Global	Drv #8 Fault Code
B245:130	8_STS_CMD_SPEED	Global	Drv #8 Commanded Speed
B245:131	8_STS_SPEED_FDBCK	Global	Drv #8 Speed Feedback
B245:132	8_STS_OUTPT_CURRNT	Global	Drv #8 Output Current
B245:133	8_STS_DCBUS_VOLTAG	Global	Drv #8 DC Bus Voltage
B245:134	8_STS_OUTPT_VOLTAG	Global	Drv #8 Output Voltage
B245:135	8_STS_POSSTS	Global	Drv #8 Logic Status
B245:135/0	8_STS_POSSTS_READY	Global	Drv #8 Ready
B245:135/1	8_STS_POSSTS_ACTIV	Global	Drv #8 Active
B245:135/2	8_STS_POSSTS_CMDDIR	Global	Drv #8 Commanded Direction (1=FWD, 0=REV)
B245:135/3	8_STS_POSSTS_ROTDIR	Global	Drv #8 Rotating Direction (1=FWD, 0=REV)
B245:135/4	8_STS_POSSTS_ACCEL	Global	Drv #8 Accelerating (=1)
B245:135/5	8_STS_POSSTS_DECEL	Global	Drv #8 Decelerating (=1)
B245:135/6	8_STS_POSSTS_TRVPOS	Global	Drv #8 Travel Position (1=FWD, 0=REV)
B245:135/7	8_STS_POSSTS_FAULT	Global	Drv #8 Faulted (=1)
B245:135/8	8_STS_POSSTS_ATREF	Global	Drv #8 At Reference (=1)
B245:135/9	8_STS_POSSTS_ATPOS	Global	Drv #8 At Position (=1)
B245:135/10	8_STS_POSSTS_ATHOME	Global	Drv #8 At Home (=1)
B245:135/11	8_STS_POSSTS_HOMED	Global	Drv #8 Drive Homed (=1)
B245:135/12	8_STS_POSSTS_SNCHLD	Global	Drv #8 Sync Hold (=1)
B245:135/13	8_STS_POSSTS_SNCRMP	Global	Drv #8 Sync Ramp (=1)
B245:135/14	8_STS_POSSTS_TRAVON	Global	Drv #8 Traverse On (=1)
B245:135/15	8_STS_POSSTS_TRAVDE	Global	Drv #8 Traverse Decel (=1)
B245:136	8_STS_PARM_POS_STEP	Global	Drv #8 b028 Step# of Position Operation
B245:137	8_STS_PARM_SPD_SRC	Global	Drv #8 P038 Speed Source (5=network) (9=positioning)
B245:[N247:18]			
B246:0	CMD_DRV_NUMBER	Global	Drive Number Data to Display
B246:1	CMD_SCRN	Global	Current Screen Control
B246:1/0	CMD_SCRN_MODE	Global	Screen Mode Control Oper(=1)/Prog(=0)
B246:2	CMD_OPER_CMD	Global	Operator Command Word
B246:2/0	CMD_OPER_CMD_STOP	Global	Operator Stop Command
B246:2/1	CMD_OPER_CMD_STRT	Global	Operator Start Command
B246:2/2	CMD_OPER_CMD_JOG	Global	Operator Jog Command
B246:2/3	CMD_OPER_CMD_CLRf	Global	Operator Clear Faults Command
B246:2/4	CMD_OPER_CMD_FWD	Global	Operator Forward Command
B246:2/5	CMD_OPER_CMD_REV	Global	Operator Reverse Command
B246:2/6	CMD_OPER_CMD_LGC1	Global	Operator Logic In 1
B246:2/7	CMD_OPER_CMD_LGC2	Global	Operator Logic In 2
B246:2/8	CMD_OPER_CMD_STP0	Global	Operator Step# 0-7 Bit 0
B246:2/9	CMD_OPER_CMD_STP1	Global	Operator Step# 0-7 Bit 1
B246:2/10	CMD_OPER_CMD_STP2	Global	Operator Step# 0-7 Bit 2

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Address	Symbol	Scope	Description
B246:2/11	CMD_OPER_CMD_HOME	Global	Operator Find Home
B246:2/12	CMD_OPER_CMD_HOLD	Global	Operator Hold Step
B246:2/13	CMD_OPER_CMD_PRDF	Global	Operator Pos Redefine
B246:2/14	CMD_OPER_CMD_SYNC	Global	Operator Sync Enable
B246:2/15	CMD_OPER_CMD_TRAV	Global	Operator Traverse Disable
B246:3	CMD_OPER_CMD_SPDR	Global	Operator Speed Reference Command
B246:4	CMD_OPER_SPD_SRC	Global	Operator Speed Source (5=network) (9=positioning)
B246:5			
B246:50	0_CMD_PROG_CMD	Global	Broadcast Command Word
B246:50/0	0_CMD_PROG_CMD_STOP	Global	Broadcast Stop Command
B246:50/1	0_CMD_PROG_CMD_STRT	Global	Broadcast Start Command
B246:50/2	0_CMD_PROG_CMD_JOG	Global	Broadcast Jog Command
B246:50/3	0_CMD_PROG_CMD_CLRFR	Global	Broadcast Clear Faults Command
B246:50/4	0_CMD_PROG_CMD_FWD	Global	Broadcast Forward Command
B246:50/5	0_CMD_PROG_CMD_REV	Global	Broadcast Reverse Command
B246:51	0_CMD_CMD_CMPAR	Global	Broadcast Command Word Compare
B246:52	1_CMD_PROG_CMD	Global	Drv #1 Command Word
B246:52/0	1_CMD_PROG_CMD_STOP	Global	Drv #1 Stop Command
B246:52/1	1_CMD_PROG_CMD_STRT	Global	Drv #1 Start Command
B246:52/2	1_CMD_PROG_CMD_JOG	Global	Drv #1 Jog Command
B246:52/3	1_CMD_PROG_CMD_CLRFR	Global	Drv #1 Clear Faults Command
B246:52/4	1_CMD_PROG_CMD_FWD	Global	Drv #1 Forward Command
B246:52/5	1_CMD_PROG_CMD_REV	Global	Drv #1 Reverse Command
B246:52/6	1_CMD_PROG_CMD_LGC1	Global	Drv #1 Logic In 1
B246:52/7	1_CMD_PROG_CMD_LGC2	Global	Drv #1 Logic In 2
B246:52/8	1_CMD_PROG_CMD_STP0	Global	Drv #1 Step# 0-7 Bit 0
B246:52/9	1_CMD_PROG_CMD_STP1	Global	Drv #1 Step# 0-7 Bit 1
B246:52/10	1_CMD_PROG_CMD_STP2	Global	Drv #1 Step# 0-7 Bit 2
B246:52/11	1_CMD_PROG_CMD_HOME	Global	Drv #1 Find Home
B246:52/12	1_CMD_PROG_CMD_HOLD	Global	Drv #1 Hold Step
B246:52/13	1_CMD_PROG_CMD_PRDF	Global	Drv #1 Pos Redefine
B246:52/14	1_CMD_PROG_CMD_SYNC	Global	Drv #1 Sync Enable
B246:52/15	1_CMD_PROG_CMD_TRAV	Global	Drv #1 Traverse Disable
B246:53	1_CMD_PROG_CMD_SPDR	Global	Drv #1 Speed Reference
B246:54	1_CMD_PROG_SPD_SRC	Global	Drv #1 Speed Source (5=network) (9=positioning)
B246:55	1_CMD_CMD_CMPAR	Global	Drv #1 Command Word Compare
B246:56	1_CMD_SPD_SRC_CMPAR	Global	Drv #1 Speed Source Word Compare
B246:57	2_CMD_PROG_CMD	Global	Drv #2 Command Word
B246:57/0	2_CMD_PROG_CMD_STOP	Global	Drv #2 Stop Command
B246:57/1	2_CMD_PROG_CMD_STRT	Global	Drv #2 Start Command
B246:57/2	2_CMD_PROG_CMD_JOG	Global	Drv #2 Jog Command
B246:57/3	2_CMD_PROG_CMD_CLRFR	Global	Drv #2 Clear Faults Command
B246:57/4	2_CMD_PROG_CMD_FWD	Global	Drv #2 Forward Command
B246:57/5	2_CMD_PROG_CMD_REV	Global	Drv #2 Reverse Command
B246:57/6	2_CMD_PROG_CMD_LGC1	Global	Drv #2 Logic In 1
B246:57/7	2_CMD_PROG_CMD_LGC2	Global	Drv #2 Logic In 2
B246:57/8	2_CMD_PROG_CMD_STP0	Global	Drv #2 Step# 0-7 Bit 0
B246:57/9	2_CMD_PROG_CMD_STP1	Global	Drv #2 Step# 0-7 Bit 1
B246:57/10	2_CMD_PROG_CMD_STP2	Global	Drv #2 Step# 0-7 Bit 2
B246:57/11	2_CMD_PROG_CMD_HOME	Global	Drv #2 Find Home
B246:57/12	2_CMD_PROG_CMD_HOLD	Global	Drv #2 Hold Step
B246:57/13	2_CMD_PROG_CMD_PRDF	Global	Drv #2 Pos Redefine
B246:57/14	2_CMD_PROG_CMD_SYNC	Global	Drv #2 Sync Enable
B246:57/15	2_CMD_PROG_CMD_TRAV	Global	Drv #2 Traverse Disable
B246:58	2_CMD_PROG_CMD_SPDR	Global	Drv #2 Speed Reference
B246:59	2_CMD_PROG_SPD_SRC	Global	Drv #2 Speed Source (5=network) (9=positioning)
B246:60	2_CMD_CMD_CMPAR	Global	Drv #2 Command Word Compare
B246:61	2_CMD_SPD_SRC_CMPAR	Global	Drv #2 Speed Source Word Compare
B246:62	3_CMD_PROG_CMD	Global	Drv #3 Command Word
B246:62/0	3_CMD_PROG_CMD_STOP	Global	Drv #3 Stop Command
B246:62/1	3_CMD_PROG_CMD_STRT	Global	Drv #3 Start Command
B246:62/2	3_CMD_PROG_CMD_JOG	Global	Drv #3 Jog Command
B246:62/3	3_CMD_PROG_CMD_CLRFR	Global	Drv #3 Clear Faults Command
B246:62/4	3_CMD_PROG_CMD_FWD	Global	Drv #3 Forward Command
B246:62/5	3_CMD_PROG_CMD_REV	Global	Drv #3 Reverse Command
B246:62/6	3_CMD_PROG_CMD_LGC1	Global	Drv #3 Logic In 1
B246:62/7	3_CMD_PROG_CMD_LGC2	Global	Drv #3 Logic In 2
B246:62/8	3_CMD_PROG_CMD_STP0	Global	Drv #3 Step# 0-7 Bit 0
B246:62/9	3_CMD_PROG_CMD_STP1	Global	Drv #3 Step# 0-7 Bit 1
B246:62/10	3_CMD_PROG_CMD_STP2	Global	Drv #3 Step# 0-7 Bit 2
B246:62/11	3_CMD_PROG_CMD_HOME	Global	Drv #3 Find Home
B246:62/12	3_CMD_PROG_CMD_HOLD	Global	Drv #3 Hold Step
B246:62/13	3_CMD_PROG_CMD_PRDF	Global	Drv #3 Pos Redefine
B246:62/14	3_CMD_PROG_CMD_SYNC	Global	Drv #3 Sync Enable
B246:62/15	3_CMD_PROG_CMD_TRAV	Global	Drv #3 Traverse Disable
B246:63	3_CMD_PROG_CMD_SPDR	Global	Drv #3 Speed Reference
B246:64	3_CMD_PROG_SPD_SRC	Global	Drv #3 Speed Source (5=network) (9=positioning)
B246:65	3_CMD_CMD_CMPAR	Global	Drv #3 Command Word Compare
B246:66	3_CMD_SPD_SRC_CMPAR	Global	Drv #3 Speed Source Word Compare
B246:67	4_CMD_PROG_CMD	Global	Drv #4 Command Word
B246:67/0	4_CMD_PROG_CMD_STOP	Global	Drv #4 Stop Command
B246:67/1	4_CMD_PROG_CMD_STRT	Global	Drv #4 Start Command
B246:67/2	4_CMD_PROG_CMD_JOG	Global	Drv #4 Jog Command
B246:67/3	4_CMD_PROG_CMD_CLRFR	Global	Drv #4 Clear Faults Command

Address/Symbol Database

Address	Symbol	Scope	Description
B246:67/4	4_CMD_PROG_CMD_FWD	Global	Drv #4 Forward Command
B246:67/5	4_CMD_PROG_CMD_REV	Global	Drv #4 Reverse Command
B246:67/6	4_CMD_PROG_CMD_LGC1	Global	Drv #4 Logic In 1
B246:67/7	4_CMD_PROG_CMD_LGC2	Global	Drv #4 Logic In 2
B246:67/8	4_CMD_PROG_CMD_STP0	Global	Drv #4 Step# 0-7 Bit 0
B246:67/9	4_CMD_PROG_CMD_STP1	Global	Drv #4 Step# 0-7 Bit 1
B246:67/10	4_CMD_PROG_CMD_STP2	Global	Drv #4 Step# 0-7 Bit 2
B246:67/11	4_CMD_PROG_CMD_HOME	Global	Drv #4 Find Home
B246:67/12	4_CMD_PROG_CMD_HOLD	Global	Drv #4 Hold Step
B246:67/13	4_CMD_PROG_CMD_PRDF	Global	Drv #4 Pos Redefine
B246:67/14	4_CMD_PROG_CMD_SYNC	Global	Drv #4 Sync Enable
B246:67/15	4_CMD_PROG_CMD_TRAV	Global	Drv #4 Traverse Disable
B246:68	4_CMD_PROG_CMD_SPDR	Global	Drv #4 Speed Reference
B246:69	4_CMD_PROG_SPD_SRC	Global	Drv #4 Speed Source (5=network) (9=positioning)
B246:70	4_CMD_CMD_CMPAR	Global	Drv #4 Command Word Compare
B246:71	4_CMD_SPD_SRC_CMPAR	Global	Drv #4 Speed Source Word Compare
B246:72	5_CMD_PROG_CMD	Global	Drv #5 Command Word
B246:72/0	5_CMD_PROG_CMD_STOP	Global	Drv #5 Stop Command
B246:72/1	5_CMD_PROG_CMD_STRT	Global	Drv #5 Start Command
B246:72/2	5_CMD_PROG_CMD_JOG	Global	Drv #5 Jog Command
B246:72/3	5_CMD_PROG_CMD_CLRF	Global	Drv #5 Clear Faults Command
B246:72/4	5_CMD_PROG_CMD_FWD	Global	Drv #5 Forward Command
B246:72/5	5_CMD_PROG_CMD_REV	Global	Drv #5 Reverse Command
B246:72/6	5_CMD_PROG_CMD_LGC1	Global	Drv #5 Logic In 1
B246:72/7	5_CMD_PROG_CMD_LGC2	Global	Drv #5 Logic In 2
B246:72/8	5_CMD_PROG_CMD_STP0	Global	Drv #5 Step# 0-7 Bit 0
B246:72/9	5_CMD_PROG_CMD_STP1	Global	Drv #5 Step# 0-7 Bit 1
B246:72/10	5_CMD_PROG_CMD_STP2	Global	Drv #5 Step# 0-7 Bit 2
B246:72/11	5_CMD_PROG_CMD_HOME	Global	Drv #5 Find Home
B246:72/12	5_CMD_PROG_CMD_HOLD	Global	Drv #5 Hold Step
B246:72/13	5_CMD_PROG_CMD_PRDF	Global	Drv #5 Pos Redefine
B246:72/14	5_CMD_PROG_CMD_SYNC	Global	Drv #5 Sync Enable
B246:72/15	5_CMD_PROG_CMD_TRAV	Global	Drv #5 Traverse Disable
B246:73	5_CMD_PROG_CMD_SPDR	Global	Drv #5 Speed Reference
B246:74	5_CMD_PROG_SPD_SRC	Global	Drv #5 Speed Source (5=network) (9=positioning)
B246:75	5_CMD_CMD_CMPAR	Global	Drv #5 Command Word Compare
B246:76	5_CMD_SPD_SRC_CMPAR	Global	Drv #5 Speed Source Word Compare
B246:77	6_CMD_PROG_CMD	Global	Drv #6 Command Word
B246:77/0	6_CMD_PROG_CMD_STOP	Global	Drv #6 Stop Command
B246:77/1	6_CMD_PROG_CMD_STRT	Global	Drv #6 Start Command
B246:77/2	6_CMD_PROG_CMD_JOG	Global	Drv #6 Jog Command
B246:77/3	6_CMD_PROG_CMD_CLRF	Global	Drv #6 Clear Faults Command
B246:77/4	6_CMD_PROG_CMD_FWD	Global	Drv #6 Forward Command
B246:77/5	6_CMD_PROG_CMD_REV	Global	Drv #6 Reverse Command
B246:77/6	6_CMD_PROG_CMD_LGC1	Global	Drv #6 Logic In 1
B246:77/7	6_CMD_PROG_CMD_LGC2	Global	Drv #6 Logic In 2
B246:77/8	6_CMD_PROG_CMD_STP0	Global	Drv #6 Step# 0-7 Bit 0
B246:77/9	6_CMD_PROG_CMD_STP1	Global	Drv #6 Step# 0-7 Bit 1
B246:77/10	6_CMD_PROG_CMD_STP2	Global	Drv #6 Step# 0-7 Bit 2
B246:77/11	6_CMD_PROG_CMD_HOME	Global	Drv #6 Find Home
B246:77/12	6_CMD_PROG_CMD_HOLD	Global	Drv #6 Hold Step
B246:77/13	6_CMD_PROG_CMD_PRDF	Global	Drv #6 Pos Redefine
B246:77/14	6_CMD_PROG_CMD_SYNC	Global	Drv #6 Sync Enable
B246:77/15	6_CMD_PROG_CMD_TRAV	Global	Drv #6 Traverse Disable
B246:78	6_CMD_PROG_CMD_SPDR	Global	Drv #6 Speed Reference
B246:79	6_CMD_PROG_SPD_SRC	Global	Drv #6 Speed Source (5=network) (9=positioning)
B246:80	6_CMD_CMD_CMPAR	Global	Drv #6 Command Word Compare
B246:81	6_CMD_SPD_SRC_CMPAR	Global	Drv #6 Speed Source Word Compare
B246:82	7_CMD_PROG_CMD	Global	Drv #7 Command Word
B246:82/0	7_CMD_PROG_CMD_STOP	Global	Drv #7 Stop Command
B246:82/1	7_CMD_PROG_CMD_STRT	Global	Drv #7 Start Command
B246:82/2	7_CMD_PROG_CMD_JOG	Global	Drv #7 Jog Command
B246:82/3	7_CMD_PROG_CMD_CLRF	Global	Drv #7 Clear Faults Command
B246:82/4	7_CMD_PROG_CMD_FWD	Global	Drv #7 Forward Command
B246:82/5	7_CMD_PROG_CMD_REV	Global	Drv #7 Reverse Command
B246:82/6	7_CMD_PROG_CMD_LGC1	Global	Drv #7 Logic In 1
B246:82/7	7_CMD_PROG_CMD_LGC2	Global	Drv #7 Logic In 2
B246:82/8	7_CMD_PROG_CMD_STP0	Global	Drv #7 Step# 0-7 Bit 0
B246:82/9	7_CMD_PROG_CMD_STP1	Global	Drv #7 Step# 0-7 Bit 1
B246:82/10	7_CMD_PROG_CMD_STP2	Global	Drv #7 Step# 0-7 Bit 2
B246:82/11	7_CMD_PROG_CMD_HOME	Global	Drv #7 Find Home
B246:82/12	7_CMD_PROG_CMD_HOLD	Global	Drv #7 Hold Step
B246:82/13	7_CMD_PROG_CMD_PRDF	Global	Drv #7 Pos Redefine
B246:82/14	7_CMD_PROG_CMD_SYNC	Global	Drv #7 Sync Enable
B246:82/15	7_CMD_PROG_CMD_TRAV	Global	Drv #7 Traverse Disable
B246:83	7_CMD_PROG_CMD_SPDR	Global	Drv #7 Speed Reference
B246:84	7_CMD_PROG_SPD_SRC	Global	Drv #7 Speed Source (5=network) (9=positioning)
B246:85	7_CMD_CMD_CMPAR	Global	Drv #7 Command Word Compare
B246:86	7_CMD_SPD_SRC_CMPAR	Global	Drv #7 Speed Source Word Compare
B246:87	8_CMD_PROG_CMD	Global	Drv #8 Command Word
B246:87/0	8_CMD_PROG_CMD_STOP	Global	Drv #8 Stop Command
B246:87/1	8_CMD_PROG_CMD_STRT	Global	Drv #8 Start Command
B246:87/2	8_CMD_PROG_CMD_JOG	Global	Drv #8 Jog Command
B246:87/3	8_CMD_PROG_CMD_CLRF	Global	Drv #8 Clear Faults Command

Address/Symbol Database

Address	Symbol	Scope	Description
B246:87/4	8_CMD_PROG_CMD_FWD	Global	Drv #8 Forward Command
B246:87/5	8_CMD_PROG_CMD_REV	Global	Drv #8 Reverse Command
B246:87/6	8_CMD_PROG_CMD_LGC1	Global	Drv #8 Logic In 1
B246:87/7	8_CMD_PROG_CMD_LGC2	Global	Drv #8 Logic In 2
B246:87/8	8_CMD_PROG_CMD_STP0	Global	Drv #8 Step# 0-7 Bit 0
B246:87/9	8_CMD_PROG_CMD_STP1	Global	Drv #8 Step# 0-7 Bit 1
B246:87/10	8_CMD_PROG_CMD_STP2	Global	Drv #8 Step# 0-7 Bit 2
B246:87/11	8_CMD_PROG_CMD_HOME	Global	Drv #8 Find Home
B246:87/12	8_CMD_PROG_CMD_HOLD	Global	Drv #8 Hold Step
B246:87/13	8_CMD_PROG_CMD_PRDF	Global	Drv #8 Pos Redefine
B246:87/14	8_CMD_PROG_CMD_SYNC	Global	Drv #8 Sync Enable
B246:87/15	8_CMD_PROG_CMD_TRAV	Global	Drv #8 Traverse Disable
B246:88	8_CMD_PROG_CMD_SPDR	Global	Drv #8 Speed Reference
B246:89	8_CMD_PROG_SPD_SRC	Global	Drv #8 Speed Source (5=network) (9=positioning)
B246:90	8_CMD_CMD_CMPAR	Global	Drv #8 Command Word Compare
B246:91	8_CMD_SPD_SRC_CMPAR	Global	Drv #8 Speed Source Word Compare
F224:0	9_CMD_PCMIN_SPD	Global	Drv #9 Min Speed [Hz]
F224:1	9_CMD_PCMAx_SPD	Global	Drv #9 Max Speed [Hz]
F224:2	9_CMD_PCPRS_STPT	Global	Drv #9 Pressure Setpoint [P]
F224:3	9_CMD_PCMAx_PRSFDBK	Global	Drv #9 Max Pressure Feedback at Max Analog Input [P]
F224:4	9_CMD_PCRTD_PRS	Global	Drv #9 Rated Pressure [P]
F224:5	9_CMD_PCNOFLO_PRS	Global	Drv #9 No-Flow Pressure [P]
F224:6			
F224:7	9_CMD_PCNOFLO_SPD	Global	Drv #9 No-Flow Speed [Hz]
F224:8	9_CMD_PCLOSPD_LMT	Global	Drv #9 Low Speed Limit (\geq MIN_SPD) [Hz]
F224:9	9_CMD_PCFLO_COMPAPX	Global	Drv #9 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:10	9_CMD_PCPWR_50PCT	Global	Drv #9 No-Flow Output Power at 50% Speed [kW]
F224:11	9_CMD_PCPWR_85PCT	Global	Drv #9 No-Flow Output Power at 85% Speed [kW]
F224:12	9_CMD_PCINIT_RMPTIM	Global	Drv #9 Initial Ramp Time [sec]
F224:13	9_CMD_PCNORM_RMPTIM	Global	Drv #9 Normal Ramp Time [sec]
F224:14	9_CMD_PCEND_SPD	Global	Drv #9 End Speed [Hz]
F224:15	9_CMD_PCEND_RMPTIM	Global	Drv #9 End Speed Ramp Time [sec]
F224:16	9_CMD_PCMIN_RUNTIM	Global	Drv #9 Min Run Delay Time [sec]
F224:17	9_CMD_PCLOSPD_TIM	Global	Drv #9 Low/No-Flow Delay Time [sec]
F224:18	9_CMD_PCWAKE_LVL	Global	Drv #9 Wake Level [%]
F224:19	9_CMD_PCBOOST_LVL	Global	Drv #9 Boost Level [%]
F224:20	9_CMD_PCMAx_BSTTIM	Global	Drv #9 Max Boost Time [sec]
F224:21	9_CMD_PCMIN_SLPTIM	Global	Drv #9 Min Sleep Time [sec]
F224:22	9_CMD_PCROUT_DLYTIM	Global	Drv #9 Run Out Delay Time [sec]
F224:23	9_CMD_PCDRY_DLYTIM	Global	Drv #9 Dry Pump Delay Time [sec]
F224:24	9_CMD_PCPID_PROP	Global	Drv #9 PID Prop Gain
F224:25	9_CMD_PCPID_INTG	Global	Drv #9 PID Integ Gain
F224:26	9_CMD_PCPID_DIFF	Global	Drv #9 PID Diff Rate
F224:27	9_CMD_PCPID_DBND	Global	Drv #9 PID Deadband
F224:28	9_CMD_PCNOFLO_OFS	Global	Drv #9 No-Flow Output Power Curve Offset [%] Default-100
F224:29			
F224:30	9_CMD_PCPROG_SPDREF	Global	Drv #9 Program Speed Reference [Hz]
F224:31	9_CMD_PCPRS_AUTSP	Global	Drv #9 Auto Pressure Setpoint [P]
F224:32	10_CMD_PCMIN_SPD	Global	Drv #10 Min Speed [Hz]
F224:33	10_CMD_PCMAx_SPD	Global	Drv #10 Max Speed [Hz]
F224:34	10_CMD_PCPRS_STPT	Global	Drv #10 Pressure Setpoint [P]
F224:35	10_CMD_PCMAx_PRSFDBK	Global	Drv #10 Max Pressure Feedback at Max Analog Input [P]
F224:36	10_CMD_PCRTD_PRS	Global	Drv #10 Rated Pressure [P]
F224:37	10_CMD_PCNOFLO_PRS	Global	Drv #10 No-Flow Pressure [P]
F224:38			
F224:39	10_CMD_PCNOFLO_SPD	Global	Drv #10 No-Flow Speed [Hz]
F224:40	10_CMD_PCLOSPD_LMT	Global	Drv #10 Low Speed Limit (\geq MIN_SPD) [Hz]
F224:41	10_CMD_PCFLO_COMPAPX	Global	Drv #10 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:42	10_CMD_PCPWR_50PCT	Global	Drv #10 No-Flow Output Power at 50% Speed [kW]
F224:43	10_CMD_PCPWR_85PCT	Global	Drv #10 No-Flow Output Power at 85% Speed [kW]
F224:44	10_CMD_PCINIT_RMPTIM	Global	Drv #10 Initial Ramp Time [sec]
F224:45	10_CMD_PCNORM_RMPTIM	Global	Drv #10 Normal Ramp Time [sec]
F224:46	10_CMD_PCEND_SPD	Global	Drv #10 End Speed [Hz]
F224:47	10_CMD_PCEND_RMPTIM	Global	Drv #10 End Speed Ramp Time [sec]
F224:48	10_CMD_PCMIN_RUNTIM	Global	Drv #10 Min Run Delay Time [sec]
F224:49	10_CMD_PCLOSPD_TIM	Global	Drv #10 Low/No-Flow Delay Time [sec]
F224:50	10_CMD_PCWAKE_LVL	Global	Drv #10 Wake Level [%]
F224:51	10_CMD_PCBOOST_LVL	Global	Drv #10 Boost Level [%]
F224:52	10_CMD_PCMAx_BSTTIM	Global	Drv #10 Max Boost Time [sec]
F224:53	10_CMD_PCMIN_SLPTIM	Global	Drv #10 Min Sleep Time [sec]
F224:54	10_CMD_PCROUT_DLYTIM	Global	Drv #10 Run Out Delay Time [sec]
F224:55	10_CMD_PCDRY_DLYTIM	Global	Drv #10 Dry Pump Delay Time [sec]
F224:56	10_CMD_PCPID_PROP	Global	Drv #10 PID Prop Gain
F224:57	10_CMD_PCPID_INTG	Global	Drv #10 PID Integ Gain
F224:58	10_CMD_PCPID_DIFF	Global	Drv #10 PID Diff Rate
F224:59	10_CMD_PCPID_DBND	Global	Drv #10 PID Deadband
F224:60	10_CMD_PCNOFLO_OFS	Global	Drv #10 No-Flow Output Power Curve Offset [%] Default-100
F224:61			
F224:62	10_CMD_PCPROG_SPDREF	Global	Drv #10 Program Speed Reference [Hz]
F224:63	10_CMD_PCPRS_AUTSP	Global	Drv #10 Auto Pressure Setpoint [P]
F224:64	11_CMD_PCMIN_SPD	Global	Drv #11 Min Speed [Hz]
F224:65	11_CMD_PCMAx_SPD	Global	Drv #11 Max Speed [Hz]
F224:66	11_CMD_PCPRS_STPT	Global	Drv #11 Pressure Setpoint [P]
F224:67	11_CMD_PCMAx_PRSFDBK	Global	Drv #11 Max Pressure Feedback at Max Analog Input [P]

Address/Symbol Database

Address	Symbol	Scope	Description
F224:68	11_CMD_PCRTD_PRS	Global	Drv #11 Rated Pressure [P]
F224:69	11_CMD_PCNOFLO_PRS	Global	Drv #11 No-Flow Pressure [P]
F224:70			
F224:71	11_CMD_PCNOFLO_SPD	Global	Drv #11 No-Flow Speed [Hz]
F224:72	11_CMD_PCLOSPD_LMT	Global	Drv #11 Low Speed Limit (>= MIN_SPD) [Hz]
F224:73	11_CMD_PCFLO_COMPAPX	Global	Drv #11 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:74	11_CMD_PCPWR_50PCT	Global	Drv #11 No-Flow Output Power at 50% Speed [kW]
F224:75	11_CMD_PCPWR_85PCT	Global	Drv #11 No-Flow Output Power at 85% Speed [kW]
F224:76	11_CMD_PCINIT_RMPTIM	Global	Drv #11 Initial Ramp Time [sec]
F224:77	11_CMD_PCNORM_RMPTIM	Global	Drv #11 Normal Ramp Time [sec]
F224:78	11_CMD_PCEND_SPD	Global	Drv #11 End Speed [Hz]
F224:79	11_CMD_PCEND_RMPTIM	Global	Drv #11 End Speed Ramp Time [sec]
F224:80	11_CMD_PCMIN_RUNTIM	Global	Drv #11 Min Run Delay Time [sec]
F224:81	11_CMD_PCLOSPD_TIM	Global	Drv #11 Low/No-Flow Delay Time [sec]
F224:82	11_CMD_PCWAKE_LVL	Global	Drv #11 Wake Level [%]
F224:83	11_CMD_PCBOOST_LVL	Global	Drv #11 Boost Level [%]
F224:84	11_CMD_PCMAX_BSTTIM	Global	Drv #11 Max Boost Time [sec]
F224:85	11_CMD_PCMIN_SLPTIM	Global	Drv #11 Min Sleep Time [sec]
F224:86	11_CMD_PCROUT_DLYTIM	Global	Drv #11 Run Out Delay Time [sec]
F224:87	11_CMD_PCDRY_DLYTIM	Global	Drv #11 Dry Pump Delay Time [sec]
F224:88	11_CMD_PCPID_PROP	Global	Drv #11 PID Prop Gain
F224:89	11_CMD_PCPID_INTG	Global	Drv #11 PID Integ Gain
F224:90	11_CMD_PCPID_DIFF	Global	Drv #11 PID Diff Rate
F224:91	11_CMD_PCPID_DBND	Global	Drv #11 PID Deadband
F224:92	11_CMD_PCNOFLO_OFS	Global	Drv #11 No-Flow Output Power Curve Offset [%] Default-100
F224:93			
F224:94	11_CMD_PCPRG_SPDREF	Global	Drv #11 Program Speed Reference [Hz]
F224:95	11_CMD_PCPRS_AUTSP	Global	Drv #11 Auto Pressure Setpoint [P]
F224:96	12_CMD_PCMIN_SPD	Global	Drv #12 Min Speed [Hz]
F224:97	12_CMD_PCMAX_SPD	Global	Drv #12 Max Speed [Hz]
F224:98	12_CMD_PCPRS_STPT	Global	Drv #12 Pressure Setpoint [P]
F224:99	12_CMD_PCMAX_PRSFDBK	Global	Drv #12 Max Pressure Feedback at Max Analog Input [P]
F224:100	12_CMD_PCRTD_PRS	Global	Drv #12 Rated Pressure [P]
F224:101	12_CMD_PCNOFLO_PRS	Global	Drv #12 No-Flow Pressure [P]
F224:102			
F224:103	12_CMD_PCNOFLO_SPD	Global	Drv #12 No-Flow Speed [Hz]
F224:104	12_CMD_PCLOSPD_LMT	Global	Drv #12 Low Speed Limit (>= MIN_SPD) [Hz]
F224:105	12_CMD_PCFLO_COMPAPX	Global	Drv #12 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:106	12_CMD_PCPWR_50PCT	Global	Drv #12 No-Flow Output Power at 50% Speed [kW]
F224:107	12_CMD_PCPWR_85PCT	Global	Drv #12 No-Flow Output Power at 85% Speed [kW]
F224:108	12_CMD_PCINIT_RMPTIM	Global	Drv #12 Initial Ramp Time [sec]
F224:109	12_CMD_PCNORM_RMPTIM	Global	Drv #12 Normal Ramp Time [sec]
F224:110	12_CMD_PCEND_SPD	Global	Drv #12 End Speed [Hz]
F224:111	12_CMD_PCEND_RMPTIM	Global	Drv #12 End Speed Ramp Time [sec]
F224:112	12_CMD_PCMIN_RUNTIM	Global	Drv #12 Min Run Delay Time [sec]
F224:113	12_CMD_PCLOSPD_TIM	Global	Drv #12 Low/No-Flow Delay Time [sec]
F224:114	12_CMD_PCWAKE_LVL	Global	Drv #12 Wake Level [%]
F224:115	12_CMD_PCBOOST_LVL	Global	Drv #12 Boost Level [%]
F224:116	12_CMD_PCMAX_BSTTIM	Global	Drv #12 Max Boost Time [sec]
F224:117	12_CMD_PCMIN_SLPTIM	Global	Drv #12 Min Sleep Time [sec]
F224:118	12_CMD_PCROUT_DLYTIM	Global	Drv #12 Run Out Delay Time [sec]
F224:119	12_CMD_PCDRY_DLYTIM	Global	Drv #12 Dry Pump Delay Time [sec]
F224:120	12_CMD_PCPID_PROP	Global	Drv #12 PID Prop Gain
F224:121	12_CMD_PCPID_INTG	Global	Drv #12 PID Integ Gain
F224:122	12_CMD_PCPID_DIFF	Global	Drv #12 PID Diff Rate
F224:123	12_CMD_PCPID_DBND	Global	Drv #12 PID Deadband
F224:124	12_CMD_PCNOFLO_OFS	Global	Drv #12 No-Flow Output Power Curve Offset [%] Default-100
F224:125			
F224:126	12_CMD_PCPRG_SPDREF	Global	Drv #12 Program Speed Reference [Hz]
F224:127	12_CMD_PCPRS_AUTSP	Global	Drv #12 Auto Pressure Setpoint [P]
F224:128	13_CMD_PCMIN_SPD	Global	Drv #13 Min Speed [Hz]
F224:129	13_CMD_PCMAX_SPD	Global	Drv #13 Max Speed [Hz]
F224:130	13_CMD_PCPRS_STPT	Global	Drv #13 Pressure Setpoint [P]
F224:131	13_CMD_PCMAX_PRSFDBK	Global	Drv #13 Max Pressure Feedback at Max Analog Input [P]
F224:132	13_CMD_PCRTD_PRS	Global	Drv #13 Rated Pressure [P]
F224:133	13_CMD_PCNOFLO_PRS	Global	Drv #13 No-Flow Pressure [P]
F224:134			
F224:135	13_CMD_PCNOFLO_SPD	Global	Drv #13 No-Flow Speed [Hz]
F224:136	13_CMD_PCLOSPD_LMT	Global	Drv #13 Low Speed Limit (>= MIN_SPD) [Hz]
F224:137	13_CMD_PCFLO_COMPAPX	Global	Drv #13 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:138	13_CMD_PCPWR_50PCT	Global	Drv #13 No-Flow Output Power at 50% Speed [kW]
F224:139	13_CMD_PCPWR_85PCT	Global	Drv #13 No-Flow Output Power at 85% Speed [kW]
F224:140	13_CMD_PCINIT_RMPTIM	Global	Drv #13 Initial Ramp Time [sec]
F224:141	13_CMD_PCNORM_RMPTIM	Global	Drv #13 Normal Ramp Time [sec]
F224:142	13_CMD_PCEND_SPD	Global	Drv #13 End Speed [Hz]
F224:143	13_CMD_PCEND_RMPTIM	Global	Drv #13 End Speed Ramp Time [sec]
F224:144	13_CMD_PCMIN_RUNTIM	Global	Drv #13 Min Run Delay Time [sec]
F224:145	13_CMD_PCLOSPD_TIM	Global	Drv #13 Low/No-Flow Delay Time [sec]
F224:146	13_CMD_PCWAKE_LVL	Global	Drv #13 Wake Level [%]
F224:147	13_CMD_PCBOOST_LVL	Global	Drv #13 Boost Level [%]
F224:148	13_CMD_PCMAX_BSTTIM	Global	Drv #13 Max Boost Time [sec]
F224:149	13_CMD_PCMIN_SLPTIM	Global	Drv #13 Min Sleep Time [sec]
F224:150	13_CMD_PCROUT_DLYTIM	Global	Drv #13 Run Out Delay Time [sec]
F224:151	13_CMD_PCDRY_DLYTIM	Global	Drv #13 Dry Pump Delay Time [sec]

Address/Symbol Database

Address	Symbol	Scope	Description
F224:152	13_CMD_PCPID_PROP	Global	Drv #13 PID Prop Gain
F224:153	13_CMD_PCPID_INTG	Global	Drv #13 PID Integ Gain
F224:154	13_CMD_PCPID_DIFF	Global	Drv #13 PID Diff Rate
F224:155	13_CMD_PCPID_DBND	Global	Drv #13 PID Deadband
F224:156	13_CMD_PCNOFLO_OFS	Global	Drv #13 No-Flow Output Power Curve Offset [%] Default-100
F224:157			
F224:158	13_CMD_PCPROG_SPDREF	Global	Drv #13 Program Speed Reference [Hz]
F224:159	13_CMD_PCPRS_AUTSP	Global	Drv #13 Auto Pressure Setpoint [P]
F224:160	14_CMD_PCMIN_SPD	Global	Drv #14 Min Speed [Hz]
F224:161	14_CMD_PCMAX_SPD	Global	Drv #14 Max Speed [Hz]
F224:162	14_CMD_PCPRS_STPT	Global	Drv #14 Pressure Setpoint [P]
F224:163	14_CMD_PCMAX_PRSFDBK	Global	Drv #14 Max Pressure Feedback at Max Analog Input [P]
F224:164	14_CMD_PCRTD_PRS	Global	Drv #14 Rated Pressure [P]
F224:165	14_CMD_PCNOFLO_PRS	Global	Drv #14 No-Flow Pressure [P]
F224:166			
F224:167	14_CMD_PCNOFLO_SPD	Global	Drv #14 No-Flow Speed [Hz]
F224:168	14_CMD_PCLOSPD_LMT	Global	Drv #14 Low Speed Limit (\geq MIN_SPD) [Hz]
F224:169	14_CMD_PCFLO_COMPAPX	Global	Drv #14 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:170	14_CMD_PCPWR_50PCT	Global	Drv #14 No-Flow Output Power at 50% Speed [kW]
F224:171	14_CMD_PCPWR_85PCT	Global	Drv #14 No-Flow Output Power at 85% Speed [kW]
F224:172	14_CMD_PCINIT_RMPTIM	Global	Drv #14 Initial Ramp Time [sec]
F224:173	14_CMD_PCNORM_RMPTIM	Global	Drv #14 Normal Ramp Time [sec]
F224:174	14_CMD_PCEND_SPD	Global	Drv #14 End Speed [Hz]
F224:175	14_CMD_PCEND_RMPTIM	Global	Drv #14 End Speed Ramp Time [sec]
F224:176	14_CMD_PCMIN_RUNTIM	Global	Drv #14 Min Run Delay Time [sec]
F224:177	14_CMD_PCLOSPD_TIM	Global	Drv #14 Low/No-Flow Delay Time [sec]
F224:178	14_CMD_PCWAKE_LVL	Global	Drv #14 Wake Level [%]
F224:179	14_CMD_PCBOOST_LVL	Global	Drv #14 Boost Level [%]
F224:180	14_CMD_PCMAX_BSTTIM	Global	Drv #14 Max Boost Time [sec]
F224:181	14_CMD_PCMIN_SLPTIM	Global	Drv #14 Min Sleep Time [sec]
F224:182	14_CMD_PCROUT_DLYTIM	Global	Drv #14 Run Out Delay Time [sec]
F224:183	14_CMD_PCDRY_DLYTIM	Global	Drv #14 Dry Pump Delay Time [sec]
F224:184	14_CMD_PCPID_PROP	Global	Drv #14 PID Prop Gain
F224:185	14_CMD_PCPID_INTG	Global	Drv #14 PID Integ Gain
F224:186	14_CMD_PCPID_DIFF	Global	Drv #14 PID Diff Rate
F224:187	14_CMD_PCPID_DBND	Global	Drv #14 PID Deadband
F224:188	14_CMD_PCNOFLO_OFS	Global	Drv #14 No-Flow Output Power Curve Offset [%] Default-100
F224:189			
F224:190	14_CMD_PCPROG_SPDREF	Global	Drv #14 Program Speed Reference [Hz]
F224:191	14_CMD_PCPRS_AUTSP	Global	Drv #14 Auto Pressure Setpoint [P]
F224:192	15_CMD_PCMIN_SPD	Global	Drv #15 Min Speed [Hz]
F224:193	15_CMD_PCMAX_SPD	Global	Drv #15 Max Speed [Hz]
F224:194	15_CMD_PCPRS_STPT	Global	Drv #15 Pressure Setpoint [P]
F224:195	15_CMD_PCMAX_PRSFDBK	Global	Drv #15 Max Pressure Feedback at Max Analog Input [P]
F224:196	15_CMD_PCRTD_PRS	Global	Drv #15 Rated Pressure [P]
F224:197	15_CMD_PCNOFLO_PRS	Global	Drv #15 No-Flow Pressure [P]
F224:198			
F224:199	15_CMD_PCNOFLO_SPD	Global	Drv #15 No-Flow Speed [Hz]
F224:200	15_CMD_PCLOSPD_LMT	Global	Drv #15 Low Speed Limit (\geq MIN_SPD) [Hz]
F224:201	15_CMD_PCFLO_COMPAPX	Global	Drv #15 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:202	15_CMD_PCPWR_50PCT	Global	Drv #15 No-Flow Output Power at 50% Speed [kW]
F224:203	15_CMD_PCPWR_85PCT	Global	Drv #15 No-Flow Output Power at 85% Speed [kW]
F224:204	15_CMD_PCINIT_RMPTIM	Global	Drv #15 Initial Ramp Time [sec]
F224:205	15_CMD_PCNORM_RMPTIM	Global	Drv #15 Normal Ramp Time [sec]
F224:206	15_CMD_PCEND_SPD	Global	Drv #15 End Speed [Hz]
F224:207	15_CMD_PCEND_RMPTIM	Global	Drv #15 End Speed Ramp Time [sec]
F224:208	15_CMD_PCMIN_RUNTIM	Global	Drv #15 Min Run Delay Time [sec]
F224:209	15_CMD_PCLOSPD_TIM	Global	Drv #15 Low/No-Flow Delay Time [sec]
F224:210	15_CMD_PCWAKE_LVL	Global	Drv #15 Wake Level [%]
F224:211	15_CMD_PCBOOST_LVL	Global	Drv #15 Boost Level [%]
F224:212	15_CMD_PCMAX_BSTTIM	Global	Drv #15 Max Boost Time [sec]
F224:213	15_CMD_PCMIN_SLPTIM	Global	Drv #15 Min Sleep Time [sec]
F224:214	15_CMD_PCROUT_DLYTIM	Global	Drv #15 Run Out Delay Time [sec]
F224:215	15_CMD_PCDRY_DLYTIM	Global	Drv #15 Dry Pump Delay Time [sec]
F224:216	15_CMD_PCPID_PROP	Global	Drv #15 PID Prop Gain
F224:217	15_CMD_PCPID_INTG	Global	Drv #15 PID Integ Gain
F224:218	15_CMD_PCPID_DIFF	Global	Drv #15 PID Diff Rate
F224:219	15_CMD_PCPID_DBND	Global	Drv #15 PID Deadband
F224:220	15_CMD_PCNOFLO_OFS	Global	Drv #15 No-Flow Output Power Curve Offset [%] Default-100
F224:221			
F224:222	15_CMD_PCPROG_SPDREF	Global	Drv #15 Program Speed Reference [Hz]
F224:223	15_CMD_PCPRS_AUTSP	Global	Drv #15 Auto Pressure Setpoint [P]
F224:224	16_CMD_PCMIN_SPD	Global	Drv #16 Min Speed [Hz]
F224:225	16_CMD_PCMAX_SPD	Global	Drv #16 Max Speed [Hz]
F224:226	16_CMD_PCPRS_STPT	Global	Drv #16 Pressure Setpoint [P]
F224:227	16_CMD_PCMAX_PRSFDBK	Global	Drv #16 Max Pressure Feedback at Max Analog Input [P]
F224:228	16_CMD_PCRTD_PRS	Global	Drv #16 Rated Pressure [P]
F224:229	16_CMD_PCNOFLO_PRS	Global	Drv #16 No-Flow Pressure [P]
F224:230			
F224:231	16_CMD_PCNOFLO_SPD	Global	Drv #16 No-Flow Speed [Hz]
F224:232	16_CMD_PCLOSPD_LMT	Global	Drv #16 Low Speed Limit (\geq MIN_SPD) [Hz]
F224:233	16_CMD_PCFLO_COMPAPX	Global	Drv #16 Flow Comp Curve Approx [%] Linear-0, Ideal-100
F224:234	16_CMD_PCPWR_50PCT	Global	Drv #16 No-Flow Output Power at 50% Speed [kW]
F224:235	16_CMD_PCPWR_85PCT	Global	Drv #16 No-Flow Output Power at 85% Speed [kW]

Address/Symbol Database

Address	Symbol	Scope	Description
F224:236	16_CMD_PCINIT_RMPTIM	Global	Drv #16 Initial Ramp Time [sec]
F224:237	16_CMD_PCNORM_RMPTIM	Global	Drv #16 Normal Ramp Time [sec]
F224:238	16_CMD_PCEND_SPD	Global	Drv #16 End Speed [Hz]
F224:239	16_CMD_PCEND_RMPTIM	Global	Drv #16 End Speed Ramp Time [sec]
F224:240	16_CMD_PCMIN_RUNTIM	Global	Drv #16 Min Run Delay Time [sec]
F224:241	16_CMD_PCLOSPD_TIM	Global	Drv #16 Low/No-Flow Delay Time [sec]
F224:242	16_CMD_PCWAKE_LVL	Global	Drv #16 Wake Level [%]
F224:243	16_CMD_PCBOOST_LVL	Global	Drv #16 Boost Level [%]
F224:244	16_CMD_PCMAX_BSTTIM	Global	Drv #16 Max Boost Time [sec]
F224:245	16_CMD_PCMIN_SLPTIM	Global	Drv #16 Min Sleep Time [sec]
F224:246	16_CMD_PCROUT_DLYTIM	Global	Drv #16 Run Out Delay Time [sec]
F224:247	16_CMD_PCDRY_DLYTIM	Global	Drv #16 Dry Pump Delay Time [sec]
F224:248	16_CMD_PCPID_PROP	Global	Drv #16 PID Prop Gain
F224:249	16_CMD_PCPID_INTG	Global	Drv #16 PID Integ Gain
F224:250	16_CMD_PCPID_DIFF	Global	Drv #16 PID Diff Rate
F224:251	16_CMD_PCPID_DBND	Global	Drv #16 PID Deadband
F224:252	16_CMD_PCNOFLO_OFS	Global	Drv #16 No-Flow Output Power Curve Offset [%] Default-100
F224:253			
F224:254	16_CMD_PCPROG_SPDREF	Global	Drv #16 Program Speed Reference [Hz]
F224:255	16_CMD_PCPRS_AUTSP	Global	Drv #16 Auto Pressure Setpoint [P]
F227:0	CMD_PCOP_CMD_SPDR_F	Global	Speed Reference Command as Float
F227:1	STS_PCREF_SPEED_F	Global	Commanded Speed Display as Float
F227:2	STS_PCSPEED_FDBCK_F	Global	Speed Feedback Display as Float
F227:3	STS_PCOUPT_CURRNT_F	Global	Output Current Display as Float
F227:4	STS_PCOUPT_VOLTAG_F	Global	Output Voltage Display as Float
F227:5	STS_PCDCBUS_VOLTAG_F	Global	DC Bus Voltage Display as Float
F227:6	STS_PCPRS_FDBK	Global	Pressure Feedback [P]
F227:7	STS_PCPID_STPT	Global	PID Setpoint [P]
F227:8	STS_PCSPD_50PCT	Global	50% Max Speed [Hz]
F227:9	STS_PCSPD_85PCT	Global	85% Max Speed [Hz]
F227:10	STS_PCOUPT_POWER_F	Global	Output Power Display as Float
F227:11			
F227:12			
F227:13			
F227:14			
F227:15			
F227:16			
F227:17			
F227:18			
F227:19			
F227:20	CMD_PCMIN_SPD	Global	Min Speed [Hz]
F227:21	CMD_PCMAX_SPD	Global	Max Speed [Hz]
F227:22	CMD_PCPRS_STPT	Global	Pressure Setpoint [P]
F227:23	CMD_PCMAX_PRSFDBK	Global	Max Pressure Feedback at Max Analog Input [P]
F227:24	CMD_PCRTD_PRS	Global	Rated Pressure [P]
F227:25	CMD_PCNOFLO_PRS	Global	No-Flow Pressure [P]
F227:26			
F227:27	CMD_PCNOFLO_SPD	Global	No-Flow Speed [Hz]
F227:28	CMD_PCLOSPD_LMT	Global	Low Speed Limit (\geq MIN_SPD) [Hz]
F227:29	CMD_PCFLO_COMPAPX	Global	Flow Compensation Curve Approx [%] Linear-0, Ideal-100
F227:30	CMD_PCPWR_50PCT	Global	No-Flow Output Power at 50% Speed [kW]
F227:31	CMD_PCPWR_85PCT	Global	No-Flow Output Power at 85% Speed [kW]
F227:32	CMD_PCINIT_RMPTIM	Global	Initial Ramp Time [sec]
F227:33	CMD_PCNORM_RMPTIM	Global	Normal Ramp Time [sec]
F227:34	CMD_PCEND_SPD	Global	End Speed [Hz]
F227:35	CMD_PCEND_RMPTIM	Global	End Speed Ramp Time [sec]
F227:36	CMD_PCMIN_RUNTIM	Global	Min Run Delay Time [sec]
F227:37	CMD_PCLOSPD_TIM	Global	Low/No-Flow Delay Time [sec]
F227:38	CMD_PCWAKE_LVL	Global	Wake Level [%]
F227:39	CMD_PCBOOST_LVL	Global	Boost Level [%]
F227:40	CMD_PCMAX_BSTTIM	Global	Max Boost Time [sec]
F227:41	CMD_PCMIN_SLPTIM	Global	Min Sleep Time [sec]
F227:42	CMD_PCROUT_DLYTIM	Global	Run Out Delay Time [sec]
F227:43	CMD_PCDRY_DLYTIM	Global	Dry Pump Delay Time [sec]
F227:44	CMD_PCPID_PROP	Global	PID Prop Gain
F227:45	CMD_PCPID_INTG	Global	PID Integ Gain [sec]
F227:46	CMD_PCPID_DIFF	Global	PID Diff Rate [1/sec]
F227:47	CMD_PCPID_DBND	Global	PID Deadband [%]
F227:48	CMD_PCNOFLO_OFS	Global	No-Flow Output Power Curve Offset [%] Default-100
F227:49			
F227:50	CMD_PCPROG_SPDREF	Global	Program Speed Reference [Hz]
F227:51	CMD_PCPRS_AUTSP	Global	Auto Pressure Setpoint [P]
F227:52			
F227:53			
F227:54			
F227:55			
F227:56			
F227:57			
F227:58			
F227:59			
F227:60			
F227:61			
F227:62			
F227:63			

Address/Symbol Database

Address	Symbol	Scope	Description
F227:64			
F227:65			
F227:66			
F227:67			
F227:68			
F227:69			
F227:70			
F227:71			
F227:72			
F227:73			
F227:74			
F227:75			
F227:76			
F227:77			
F227:78			
F227:79			
F227:80			
F227:81			
F227:82			
F227:83			
F227:84			
F227:85			
F227:86			
F227:87			
F227:88			
F227:89			
F227:90			
F227:91			
F227:92			
F227:93			
F227:94			
F227:95			
F227:96			
F227:97			
F227:98			
F227:99			
F227:100	X_CMD_PCMIN_SPD	Global	Drv #X Min Speed [Hz]
F227:101	X_CMD_PCMAx_SPD	Global	Drv #X Max Speed [Hz]
F227:102	X_CMD_PCPRS_STPT	Global	Drv #X Pressure Setpoint [P]
F227:103	X_CMD_PCMAx_PRSFDBK	Global	Drv #X Max Pressure Feedback at Max Analog Input [P]
F227:104	X_CMD_PCRTD_PRS	Global	Drv #X Rated Pressure [P]
F227:105	X_CMD_PCNOFLO_PRS	Global	Drv #X No-Flow Pressure [P]
F227:106			
F227:107	X_CMD_PCNOFLO_SPD	Global	Drv #X No-Flow Speed [Hz]
F227:108	X_CMD_PCLOSPD_LMT	Global	Drv #X Low Speed Limit (\geq MIN_SPD) [Hz]
F227:109	X_CMD_PCFLO_COMPAPX	Global	Drv #X Flow Comp Curve Approx [%] Linear-0, Ideal-100
F227:110	X_CMD_PCPWR_50PCT	Global	Drv #X No-Flow Output Power at 50% Speed [kW]
F227:111	X_CMD_PCPWR_85PCT	Global	Drv #X No-Flow Output Power at 85% Speed [kW]
F227:112	X_CMD_PCINIT_RMPTIM	Global	Drv #X Initial Ramp Time [sec]
F227:113	X_CMD_PCNORM_RMPTIM	Global	Drv #X Normal Ramp Time [sec]
F227:114	X_CMD_PCEND_SPD	Global	Drv #X End Speed [Hz]
F227:115	X_CMD_PCEND_RMPTIM	Global	Drv #X End Speed Ramp Time [sec]
F227:116	X_CMD_PCMIN_RUNTIM	Global	Drv #X Min Run Delay Time [sec]
F227:117	X_CMD_PCLOSPD_TIM	Global	Drv #X Low/No-Flow Delay Time [sec]
F227:118	X_CMD_PCWAKE_LVL	Global	Drv #X Wake Level [%]
F227:119	X_CMD_PCBOOST_LVL	Global	Drv #X Boost Level [%]
F227:120	X_CMD_PCMAx_BSTTIM	Global	Drv #X Max Boost Time [sec]
F227:121	X_CMD_PCMIN_SLPTIM	Global	Drv #X Min Sleep Time [sec]
F227:122	X_CMD_PCROUT_DLYTIM	Global	Drv #X Run Out Delay Time [sec]
F227:123	X_CMD_PCDRY_DLYTIM	Global	Drv #X Dry Pump Delay Time [sec]
F227:124	X_CMD_PCPID_PROP	Global	Drv #X PID Prop Gain
F227:125	X_CMD_PCPID_INTG	Global	Drv #X PID Integ Gain [sec]
F227:126	X_CMD_PCPID_DIFF	Global	Drv #X PID Diff Rate [1/sec]
F227:127	X_CMD_PCPID_DBND	Global	Drv #X PID Deadband [%]
F227:128	X_CMD_PCNOFLO_OFS	Global	Drv #X No-Flow Output Power Curve Offset [%] Default-100
F227:129			
F227:130	X_CMD_PCPRG_SPDREF	Global	Drv #X Program Speed Reference [Hz]
F227:131	X_CMD_PCPRS_AUTSP	Global	Drv #X Auto Pressure Setpoint [P]
F227:132	SPEED_FDBCK	Global	Speed Feedback [Hz]
F227:133	ANALOG_IN_1	Global	Analog Inp 1 [%]
F227:134	OUTPUT_POWER	Global	Output Power [kW]
F227:135	ACCEL_TIME1	Global	Accel Time 1 [sec]
F227:136	DECEL_TIME1	Global	Decel Time 1 [sec]
F227:137	PID_SETPOINT	Global	PID Setpoint [%]
F227:138	INIT_ACC_TIME	Global	Initial Accel Time [sec]
F227:139	NORM_ACC_TIME	Global	Normal Accel/Decel Time [sec]
F227:140	END_DEC_TIME	Global	End Speed Decel Time [sec]
F227:141	CLC_NO_FLO_PWR	Global	Calculated No-Flow Output Power [kW]
F227:142	CLC_SYS_PRS	Global	Calculated System Pressure [P]
F227:143	ROUT_PRS_LMT	Global	Run-Out Detect Pressure Limit [%]
F227:144	OUTPUT_CURRENT	Global	Output Current [A]
F227:145	OUTPUT_VOLTAGE	Global	Output Voltage [V]
F227:146	PRS_FBK_LO_LMT	Global	Pressure Feedback Low Limit
F227:147	PRS_FBK_HI_LMT	Global	Pressure Feedback High Limit

Address/Symbol Database

Address	Symbol	Scope	Description
F227:148	NO_FLO_PWR_SLOPE	Global	Calculated No-Flow Output Power Slope
F227:149	PID_STPT_PRS_UNITS	Global	PID Setpoint [P]
F227:150			
F227:151			
F227:152			
F227:153			
F227:154			
F227:155			
F227:156			
F227:157			
F227:158			
F227:159			
F227:160			
F227:161			
F227:162	PRS_STPT_CMPAR	Global	Pressure Setpoint Compare Word [P]
F227:163	WAKE_STPT	Global	Pressure Feedback Wake Level Setpoint [%]
F227:164	BOOST_STPT	Global	Pressure Boost Level PID Setpoint [%]
F227:165			
F227:166			
F227:167			Drv #9 Pressure Setpoint Compare Word [P]
F227:168			Drv #9 Pressure Feedback Wake Level Setpoint [%]
F227:169			Drv #9 Pressure Boost Level PID Setpoint [%]
F227:170			
F227:171			
F227:172			Drv #10 Pressure Setpoint Compare Word [P]
F227:173			Drv #10 Pressure Feedback Wake Level Setpoint [%]
F227:174			Drv #10 Pressure Boost Level PID Setpoint [%]
F227:175			
F227:176			
F227:177			Drv #11 Pressure Setpoint Compare Word [P]
F227:178			Drv #11 Pressure Feedback Wake Level Setpoint [%]
F227:179			Drv #11 Pressure Boost Level PID Setpoint [%]
F227:180			
F227:181			
F227:182			Drv #12 Pressure Setpoint Compare Word [P]
F227:183			Drv #12 Pressure Feedback Wake Level Setpoint [%]
F227:184			Drv #11 Pressure Boost Level PID Setpoint [%]
F227:185			
F227:186			
F227:187			Drv #13 Pressure Setpoint Compare Word [P]
F227:188			Drv #13 Pressure Feedback Wake Level Setpoint [%]
F227:189			Drv #13 Pressure Boost Level PID Setpoint [%]
F227:190			
F227:191			
F227:192			Drv #14 Pressure Setpoint Compare Word [P]
F227:193			Drv #14 Pressure Feedback Wake Level Setpoint [%]
F227:194			Drv #14 Pressure Boost Level PID Setpoint [%]
F227:195			
F227:196			
F227:197			Drv #15 Pressure Setpoint Compare Word [P]
F227:198			Drv #15 Pressure Feedback Wake Level Setpoint [%]
F227:199			Drv #15 Pressure Boost Level PID Setpoint [%]
F227:200			
F227:201			
F227:202			Drv #16 Pressure Setpoint Compare Word [P]
F227:203			Drv #16 Pressure Feedback Wake Level Setpoint [%]
F227:204			Drv #16 Pressure Boost Level PID Setpoint [%]
F227:205			
F227:206			
F227:207			
F227:208			
F227:209			
F227:210			
F227:211			
F227:212			
F227:213			
F227:214			
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F227:224			
F227:225			
F227:226			
F227:227			
F227:228			
F227:229			
F227:230			
F227:231			

Address/Symbol Database

Address	Symbol	Scope	Description
F227:232			
F227:233			
F227:234			
F227:235			
F227:236			
F227:237			
F227:238			
F227:239			
F227:240			
F227:241			
F227:242			
F227:243			
F227:244			
F227:245			
F227:246			
F227:247			
F227:248			
F227:249			
F227:250			
F227:251			
F227:252			
F227:253			
F227:254			
F227:255			
F244:0	CMD_OPER_SPD_REF_F	Global	Speed Reference Command as Float
F244:1	STS_REF_SPEED_F	Global	Commanded Speed Display as Float
F244:2	STS_SPEED_FDBCK_F	Global	Speed Feedback Display as Float
F244:3	STS_OUTPT_CURRNT_F	Global	Output Current Display as Float
F244:4	STS_OUTPT_VOLTAG_F	Global	Output Voltage Display as Float
F244:5	STS_DCBUS_VOLTAG_F	Global	DC Bus Voltage Display as Float
I:0/1			
I:0/2			
I:0/4			
I:0/5			
I:0/6			
I:0/7			
I:0/8			
I:0/9			
I:0/10			
I:0/11			
I:0/12			Reset Machine
I:0/13			Enable User Machine Control Program
I:0/14			Start Machine
I:0/15			Stop Machine
LCD:0/JOG			KeyIn Mode Indicator
LCD:0/OK			User Display/LCD OK Key Indicator
LCD:0/ESC			User Display/LCD ESC Key Indicator
LCD:0/WND			User Display/LCD Window Active Indicator
LCD:0.POT0			Digital Trimpot 0
MG226:0			Drive Status Read Message
MG226:0.IA			
MG226:1			Speed Reference Write Message
MG226:2			Logic Command Write Message
MG226:3			Drive Type Read Message
MG226:4			Analog Input Read Message
MG226:5			Output Power Read Message
MG226:6			Initial Commanded Speed Read Message
MG226:7			Initial Parameter Read P34-P41
MG226:8			Initial Parameter Read P152-P159
MG226:9			Parameter P34 Write Message
MG226:10			Parameter P35 Write Message
MG226:11			Parameter P39 Write Message
MG226:12			Parameter P40 Write Message
MG226:13			Parameter P34-P40 Read Message
MG226:14			Parameter P152 Write Message
MG226:15			Parameter P154 Write Message
MG226:16			Parameter P155 Write Message
MG226:17			Parameter P156 Write Message
MG226:18			Parameter P157 Write Message
MG226:19			Parameter P158 Write Message
MG226:20			Parameter P159 Write Message
MG226:21			Parameter P152-P159 Read Message
MG243:0			Drive Control Read Message
MG243:0.NOD			
MG243:1			Speed Reference Write Message
MG243:2			Logic Command Write Message
MG243:3			Speed Control Broadcast Write Command
MG243:4			Drive Type Read Message
MG243:5			Speed Reference Source Write MSG
MG243:6			Position Status Read Message
MG243:7			Position Control Read Message
MG243:7/EN			Position Control Read Message
MG248:0			PF400 Backup MSG #1
MG248:1			PF400 Backup MSG #2

Address/Symbol Database

Address	Symbol	Scope	Description
MG248:2			PF400 Backup MSG #3
MG248:3			PF400 Backup MSG #4
MG248:4			PF400 Backup MSG #5
MG248:5			PF400 Backup MSG #6
MG248:6			PF400 Backup MSG #7
MG248:7			PF400 Restore MSG #1
MG248:8			PF400 Restore MSG #2
MG248:9			PF400 Restore MSG #3
MG248:10			PF400 Restore MSG #4
MG248:11			PF400 Restore MSG #5
MG248:12			PF400 Restore MSG #6
MG248:13			PF400 Restore MSG #7
MG248:14			PF400 Restore MSG #8
MG248:15			PF400 Restore MSG#9
MG248:16			PF400 Restore MSG#10
MG248:17			PF400 Restore MSG#11
MG248:18			PF400 Restore MSG#12
MG248:19			PF400 Restore MSG#13
MG248:20			PF400 Restore MSG#14
MG248:21			PF400 Restore MSG#15
MG248:22			PF400 Restore MSG#16
MG249:0			PF40P Backup MSG #1
MG249:1			PF40P Backup MSG #2
MG249:2			PF40P Backup MSG #3
MG249:3			PF40P Backup MSG #4
MG249:4			PF40P Backup MSG #5
MG249:5			PF40P Backup MSG #6
MG249:6			PF40P Backup MSG #7
MG249:7			PF40P Restore MSG #1
MG249:8			PF40P Restore MSG #2
MG249:9			PF40P Restore MSG #3
MG249:10			PF40P Restore MSG #4
MG249:11			PF40P Restore MSG #5
MG249:12			PF40P Restore MSG #6
MG249:13			PF40P Restore MSG #7
MG249:14			PF40P Restore MSG #8
MG249:15			PF40P Restore MSG #9
MG249:16			PF40P Restore MSG#10
MG249:17			PF40P Restore MSG#11
MG249:18			PF40P Restore MSG#12
MG249:19			PF40P Restore MSG#13
MG249:20			PF40P Restore MSG#14
MG249:21			PF40P Restore MSG#15
MG249:22			PF40P Restore MSG#16
MG249:23			PF40P Restore MSG#17
MG249:24			PF40P Restore MSG#18
MG249:25			PF40P Restore MSG#19
MG249:26			PF40P Restore MSG#20
MG249:27			PF40P Restore MSG#21
MG250:0			PF40 Backup MSG #1
MG250:1			PF40 Backup MSG #2
MG250:2			PF40 Backup MSG #3
MG250:3			PF40 Backup MSG #4
MG250:4			PF40 Backup MSG #5
MG250:5			PF40 Restore MSG #1
MG250:6			PF40 Restore MSG #2
MG250:7			PF40 Restore MSG #3
MG250:8			PF40 Restore MSG #4
MG250:9			PF40 Restore MSG #5
MG250:10			PF40 Restore MSG #6
MG250:11			PF40 Restore MSG #7
MG250:12			PF40 Restore MSG #8
MG250:13			PF40 Restore MSG #9
MG250:14			PF40 Restore MSG #10
MG250:15			PF40 Restore MSG #11
MG251:0			PF4 Backup MSG #1
MG251:1			PF4 Backup MSG #2
MG251:2			PF4 Backup MSG #3
MG251:3			PF4 Restore MSG #1
MG251:4			PF4 Restore MSG #2
MG251:5			PF4 Restore MSG #3
MG251:6			PF4 Restore MSG #4
MG251:7			PF4 Restore MSG #5
MG251:8			PF4 Restore MSG #6
MG251:9			PF4 Restore MSG #7
MG251:10			PF4 Restore MSG #8
MG252:0			PF4M Backup MSG #1
MG252:1			PF4M Backup MSG #2
MG252:2			PF4M Backup MSG #3
MG252:3			PF4M Backup MSG #4
MG252:4			PF4M Backup MSG #5
MG252:5			PF4M Restore MSG #1
MG252:6			PF4M Restore MSG #2
MG252:7			PF4M Restore MSG #3

Address/Symbol Database

Address	Symbol	Scope	Description
MG252:8			PF4M Restore MSG #4
MG252:9			PF4M Restore MSG #5
MG252:10			PF4M Restore MSG #6
MG252:11			PF4M Restore MSG #7
MG252:12			PF4M Restore MSG #8
MG252:13			PF4M Restore MSG #9
MG252:14			PF4M Restore MSG #10
MG252:15			PF4M Restore MSG #11
MG252:16			PF4M Restore MSG #12
MG252:17			PF4M Restore MSG #13
MG252:18			PF4M Restore MSG #14
MG252:19			PF4M Restore MSG #15
MG252:20			PF4M Restore MSG #16
MG252:21			PF4M Restore MSG #17
MG254:0			Modbus MSG - Read from Node# [N255:0]
MG254:0.NOD			MSG Target Node#
MG254:1			Modbus MSG - Read from Restore Node#
MG254:1.NOD			MSG Target Node#
MG254:2			Modbus MSG - Read from Default Node#
MG254:2.NOD			MSG Target Node#
MG254:3			Modbus MSG #3
MG254:3.NOD			MSG Target Node#
MG254:4			Modbus MSG #4
MG254:4.NOD			MSG Target Node#
MG254:5			Modbus MSG #5
MG254:6			Modbus MSG #6
MG254:7			Modbus MSG #7
MG254:8			Modbus MSG #8
MG254:9			Modbus MSG #9
MG254:10			Modbus MSG #10
MG254:11			Modbus MSG #11
MG254:12			Modbus MSG #12
MG254:13			Modbus MSG #13
MG254:14			Modbus MSG #14
MG254:15			Modbus MSG #15
MG254:16			Modbus MSG #16
MG254:17			Modbus MSG #17
MG254:18			Modbus MSG #18
MG254:19			Modbus MSG #19
MG254:20			Modbus MSG #20
MG254:21			Modbus MSG #21
MG254:22			Modbus MSG #22
MG254:23			Modbus MSG #23
MG254:24			Modbus MSG #24
MG254:25			Modbus MSG #25
MG254:26			Modbus MSG #26
MG254:27			Modbus MSG #27
MG254:28			Modbus MSG #28
MG254:29			Modbus MSG #29
N230:0			Always Zero
N230:1			Read File Offset Math for Status
N230:2			Write File Offset Math for Logic Command
N230:3			Write File Offset Math for Parameters
N230:4			Read File Offset Math for Commanded Speed
N230:5			Read File Offset Math for Drive Type
N230:6			Write File Offset Math for Logic Command Compare
N230:7			Write File Offset Math for Speed Reference
N230:8			Write MSG Speed Reference
N230:9			Write MSG Command Word
N230:10			Read Message Drive Type
N230:11			Read Message Logic Status
N230:12			Read Message Fault Code
N230:13			Read Message Commanded Speed
N230:14			Read Message Speed Feedback
N230:15			Read Message Output Current
N230:16			Read Message DC Bus Voltage
N230:17			Read Message Output Voltage
N230:18			Read Message Analog Input 1
N230:19			Read Message Output Power
N230:20			Read Message P34 Min Freq
N230:21			Read Message P35 Max Freq
N230:22			Read Message P36
N230:23			Read Message P37
N230:24			Read Message P38
N230:25			Read Message P39 Accel Time 1
N230:26			Read Message P40 Decel Time 1
N230:27			Read Message P152 PID Ref Sel
N230:28			Read Message P153
N230:29			Read Message P154 PID Prop Gain
N230:30			Read Message P155 PID Integ Gain
N230:31			Read Message P156 PID Diff Rate
N230:32			Read Message P157 PID Setpoint
N230:33			Read Message P158 PID Deadband
N230:34			Read Message P159 PID Preload

Address/Symbol Database

Address	Symbol	Scope	Description
N230:35			Read File Offset Math for Drive Type
N230:36			Read File Offset Math for Analog Input 1
N230:37			Read File Offset Math for Output Power
N230:38			Write File Offset Math for P34
N230:39			Write File Offset Math for P35
N230:40			Write File Offset Math for P39
N230:41			Write File Offset Math for P40
N230:42			Write File Offset Math for P152
N230:43			Write File Offset Math for P154
N230:44			Write File Offset Math for P155
N230:45			Write File Offset Math for P156
N230:46			Write File Offset Math for P157
N230:47			Write File Offset Math for P158
N230:48			Write File Offset Math for P159
N230:49			Write Parameter P34
N230:50			Write Parameter P35
N230:51			Write Parameter P39
N230:52			Write Parameter P40
N230:53			Write Parameter P152
N230:54			Write Parameter P154
N230:55			Write Parameter P155
N230:56			Write Parameter P156
N230:57			Write Parameter P157
N230:58			Write Parameter P158
N230:59			Write Parameter P159
N230:60			Write File Offset Math for Logic Command
N230:61			Write File Offset Math for Min Freq
N230:62			Read File Offset Math for Toggle Bit Word
N230:63			
N230:64			B228 - PC STATUS Drive Type Offset
N230:65			B229 - PC CMMNDS Command Word Offset
N230:66			F224 - PC STPTS Min Speed Offset
N230:67			B228 - PC STATUS Pump Cond Offset
N230:68			B229 - PC CMMNDS Pump Config Offset
N230:69			T225 - PC TIMERS Min Run Delay Timer Offset
N230:70			F227 - PC FLOATS Pressure Setpoint Compare Word Offset
N230:71			B228 - PC STATUS Logic Status Offset
N230:72			F224 - PC STPTS Pressure Setpoint Offset
N230:73			F224 - PC STPTS Program Speed Reference Offset
N230:74			F224 - PC STPTS Auto Pressure Setpoint Offset
N230:75			B229 - PC CMMNDS Low/No-Flow Function Offset
N230:76			
N230:77			
N230:78			
N230:79			
N230:80			Actively Scanned Status
N230:80/0	OPER	Global	Operator Mode
N230:80/1	PROG	Global	Program Mode
N230:80/2	LOW_POWER	Global	Low Power Detected
N230:80/3	LOW_SPEED	Global	Low Speed Detected
N230:80/4	MAX_SPEED	Global	Max Speed Detected
N230:80/5	PID_REF_STOP	Global	PID Reference Change Stop
N230:80/6	SLEEP_STOP	Global	Sleep Mode Stop
N230:80/7	SLEEP_START	Global	Sleep Mode ReStart
N230:80/8	DISABLE_FLOW_COMP	Global	Disable Flow Compensation - Pressure Setpoint Change
N230:80/9	PMP_CTRL_ENABLED	Global	Pump Control Enabled
N230:81			
N230:82			
N230:83			
N230:84			
N230:85			
N230:86			
N230:87			
N230:88			
N230:89			
N230:90			
N230:90/0			
N230:91			
N230:92			
N230:93			
N230:94			
N230:95			
N230:96			
N230:97			
N230:98			
N230:99			
N230:100	X_STS_PCDRV_TYPE	Global	Drv #X PF4 Class Drive Type
N230:101	X_STS_PCSTS	Global	Drv #X Logic Status
N230:101/0	X_STS_PCSTS_READY	Global	Drv #X Ready
N230:101/1	X_STS_PCSTS_ACTIV	Global	Drv #X Active
N230:101/2	X_STS_PCSTS_CMDDIR	Global	Drv #X Commanded Direction (1=FWD, 0=REV)
N230:101/3	X_STS_PCSTS_ROTDIR	Global	Drv #X Rotating Direction (1=FWD, 0=REV)
N230:101/4	X_STS_PCSTS_ACCEL	Global	Drv #X Accelerating
N230:101/5	X_STS_PCSTS_DECEL	Global	Drv #X Decelerating

Address/Symbol Database

Address	Symbol	Scope	Description
N230:101/6	X_STS_PCSTS_ALARM	Global	Drv #X Alarm
N230:101/7	X_STS_PCSTS_FAULT	Global	Drv #X Faulted
N230:101/8	X_STS_PCSTS_ATREF	Global	Drv #X At Reference
N230:101/9	X_STS_PCSTS_REFCC	Global	Drv #X Reference Controlled by Comm
N230:101/10	X_STS_PCSTS_CMDCC	Global	Drv #X Operation Cmd Controlled by Comm
N230:101/11	X_STS_PCSTS_PARLK	Global	Drv #X Parameters have been locked
N230:101/12	X_STS_PCSTS_DGIN1	Global	Drv #X Digital Input 1 Status
N230:101/13	X_STS_PCSTS_DGIN2	Global	Drv #X Digital Input 2 Status
N230:101/14	X_STS_PCSTS_DGIN3	Global	Drv #X Digital Input 3 Status
N230:101/15	X_STS_PCSTS_DGIN4	Global	Drv #X Digital Input 4 Status
N230:102	X_STS_FAULT_CODE	Global	Drv #X Fault Code
N230:103	X_STS_CMD_SPEED	Global	Drv #X Commanded Speed
N230:104	X_STS_SPEED_FDBCK	Global	Drv #X Speed Feedback
N230:105	X_STS_OUTPT_CURRNT	Global	Drv #X Output Current
N230:106	X_STS_DCBUS_VOLTAG	Global	Drv #X DC Bus Voltage
N230:107	X_STS_OUTPT_VOLTAG	Global	Drv #X Output Voltage
N230:108	X_STS_ANALOG_IN_1	Global	Drv #X Analog Inp 1
N230:109	X_STS_OUTPUT_POWER	Global	Drv #X Output Power
N230:110	X_STS_P34_MIN_FREQ	Global	Drv #X Min Freq
N230:111	X_STS_P35_MAX_FREQ	Global	Drv #X Max Freq
N230:112	X_STS_P39_ACCEL_TM1	Global	Drv #X Accel Time 1
N230:113	X_STS_P40_DECEL_TM1	Global	Drv #X Decel Time 1
N230:114	X_STS_P152_PID_REF	Global	Drv #X PID Ref Sel
N230:115	X_STS_P154_PID_PROP	Global	Drv #X PID Prop Gain
N230:116	X_STS_P155_PID_INTG	Global	Drv #X PID Integ Gain
N230:117	X_STS_P156_PID_DIFF	Global	Drv #X PID Diff Rate
N230:118	X_STS_P157_PID_SETP	Global	Drv #X PID Setpoint
N230:119	X_STS_P158_PID_DBND	Global	Drv #X PID Deadband
N230:120	X_STS_P159_PID_PRLD	Global	Drv #X PID Preload
N230:121	X_STS_PCCND	Global	Drv #X Pump Condition
N230:121/0	X_STS_PCCND_READY	Global	Drv #X Pump Ready
N230:121/1	X_STS_PCCND_RUN	Global	Drv #X Pump Running
N230:121/2	X_STS_PCCND_BOOST	Global	Drv #X Pump Boosting Pressure
N230:121/3	X_STS_PCCND_SLEEP	Global	Drv #X Pump in Sleep Mode
N230:121/4	X_STS_PCCND_LOFLO	Global	Drv #X Low/No-Flow Condition Detected
N230:121/5	X_STS_PCCND_DRYPMP	Global	Drv #X Dry Pump Condition Detected
N230:121/6	X_STS_PCCND_RUNOUT	Global	Drv #X Run-Out Condition Detected
N230:121/7	X_STS_PCCND_PMPFLT	Global	Drv #X Pump Faulted
N230:121/8	X_STS_PCCND_STOP	Global	Drv #X Pump Stop Request
N230:121/9	X_STS_PCCND_START	Global	Drv #X Pump Start Request
N230:121/10	X_STS_PCCND_FLOCMP	Global	Drv #X Flow Compensation Active
N230:121/11	X_STS_PCCND_STOPACT	Global	Drv #X Stop Active (Stopping)
N230:122	X_STS_ERROR_CODE	Global	Drv #X Pump Error Code
N230:123	X_STS_PCSLEEP_SEQ	Global	Drv #X Sleep Sequence
N230:124			
N230:125	X_CMD_PROG_CMD	Global	Drv #X Command Word
N230:125/0	X_CMD_PROG_CMD_STOP	Global	Drv #X Stop Command
N230:125/1	X_CMD_PROG_CMD_STRT	Global	Drv #X Start Command
N230:125/2	X_CMD_PROG_CMD_JOG	Global	Drv #X Jog Command
N230:125/3	X_CMD_PROG_CMD_CLRFR	Global	Drv #X Clear Faults Command
N230:125/4	X_CMD_PROG_CMD_FWD	Global	Drv #X Forward Command
N230:125/5	X_CMD_PROG_CMD_REV	Global	Drv #X Reverse Command
N230:126	X_CMD_PROG_CMD_SPDR	Global	Drv #X Speed Reference
N230:127	X_CMD_CMD_CMPAR	Global	Drv #X Command Word Compare
N230:128			
N230:129			
N230:130			
N230:131			
N230:132			
N230:133			
N230:134			
N230:135	X_CMD_P34_MIN_FREQ	Global	Drv #X Min Freq
N230:136	X_CMD_P35_MAX_FREQ	Global	Drv #X Max Freq
N230:137	X_CMD_P39_ACCEL_TM1	Global	Drv #X Accel Time 1
N230:138	X_CMD_P40_DECEL_TM1	Global	Drv #X Decel Time 1
N230:139	X_CMD_P152_PID_REF	Global	Drv #X PID Ref Sel
N230:140	X_CMD_P154_PID_PROP	Global	Drv #X PID Prop Gain
N230:141	X_CMD_P155_PID_INTG	Global	Drv #X PID Integ Gain
N230:142	X_CMD_P156_PID_DIFF	Global	Drv #X PID Diff Rate
N230:143	X_CMD_P157_PID_SETP	Global	Drv #X PID Setpoint
N230:144	X_CMD_P158_PID_DBND	Global	Drv #X PID Deadband
N230:145	X_CMD_P159_PID_PRLD	Global	Drv #X PID Preload
N230:146	X_CMD_PCCFG	Global	Drv #X Pump Configuration
N230:146/0	X_CMD_PCCFG_RSTPMP	Global	Drv #X Reset Pump Fault
N230:146/1	X_CMD_PCCFG_FLOCMP	Global	Drv #X Flow Compensation Enable
N230:146/2	X_CMD_PCCFG_LOPWR	Global	Drv #X Low Power Detect Enable
N230:146/3	X_CMD_PCCFG_LOSPD	Global	Drv #X Low Speed Detect Enable
N230:146/4	X_CMD_PCCFG_AUTSP	Global	Drv #X Auto Setpoint Enable
N230:146/5	X_CMD_PCCFG_PROG	Global	Drv #X Program Speed Reference Enable
N230:146/6	X_CMD_PCCFG_FWD	Global	Drv #X Forward Direction Select
N230:146/7	X_CMD_PCCFG_STOP	Global	Drv #X User Stop Command
N230:146/8	X_CMD_PCCFG_START	Global	Drv #X User Start Command
N230:147	X_CMD_PCFNC_LOFLO	Global	Drv #X Low/No-Flow Function 0=Off, 1=Alarm, 2=Fault, 3=Sleep
N230:148	X_CMD_PCFNC_DRYPMP	Global	Drv #X Dry Pump Function 0=Off, 1=Alarm, 2=Fault

Address/Symbol Database

Address	Symbol	Scope	Description
N230:149	X_CMD_PCFNC_RUNOUT	Global	Drv #X Run-Out Function 0=Off, 1=Alarm, 2=Fault
N230:150			
N230:151			
N230:152			
N230:153			
N230:154			
N230:155			
N230:156			
N230:157			
N230:158			
N230:159			
N230:160			
N230:161			
N230:162			
N230:163			
N230:164			
N230:165			
N230:166			
N230:167			
N230:168			
N230:169			
N230:170			
N230:171			
N230:172			
N230:173			
N230:174			
N230:175			
N230:176			
N230:177			
N230:178			
N230:179			
N230:180			
N230:181			
N230:182			
N230:183			
N230:184			
N230:185			
N230:186			
N230:187			
N230:188			
N230:189			
N230:190			
N230:191			
N230:192			
N230:193			
N230:194			
N230:195			
N230:196			
N230:197			
N230:198			
N230:199			
N230:200			
N230:201			
N230:202			
N230:203			
N230:204			
N230:205			
N230:206			
N230:207			
N230:208			
N230:209			
N230:210			
N230:211			
N230:212			
N230:213			
N230:214			
N230:215			
N230:216			
N230:217			
N230:218			
N230:219			
N230:220			
N230:221			
N230:222			
N230:223			
N230:224			
N230:225			
N230:226			
N230:227			
N230:228			
N230:229			
N230:230			
N230:231			
N230:232			

Address/Symbol Database

Address	Symbol	Scope	Description
N230:233			
N230:234			
N230:235			
N230:236			
N230:237			
N230:238			
N230:239			
N230:240			
N230:241			
N230:242			
N230:243			
N230:244			
N230:245			
N230:246			
N230:247			
N230:248			
N230:249			
N230:250			
N230:251			
N230:252			
N230:253			
N230:254			
N230:255			
N241:0			Node Counter
N241:1			Minimum Node#
N241:2			Maximum Node# +1
N241:3			Comms Cycle - Previous Scan Time
N241:4			Comms Cycle - Maximum Scan Time
N241:5			
N241:6			Buffer for Node# Loop
N244:1			Node 1 Position Command Compare
N244:2			Node 2 Position Command Compare
N244:3			Node 3 Position Command Compare
N244:4			Node 4 Position Command Compare
N244:5			Node 5 Position Command Compare
N244:6			Node 6 Position Command Compare
N244:7			Node 7 Position Command Compare
N244:8			Node 8 Position Command Compare
N244:9			Node 9 Position Command Compare
N244:10			Node 10 Position Command Compare
N244:11			Node 11 Position Command Compare
N244:12			Node 12 Position Command Compare
N244:13			Node 13 Position Command Compare
N244:14			Node 14 Position Command Compare
N244:15			Node 15 Position Command Compare
N244:16			Node 16 Position Command Compare
N244:17			Node 17 Position Command Compare
N244:18			Node 18 Position Command Compare
N244:19			Node 19 Position Command Compare
N244:20			Node 20 Position Command Compare
N244:21			Node 21 Position Command Compare
N244:22			Node 22 Position Command Compare
N244:23			Node 23 Position Command Compare
N244:24			Node 24 Position Command Compare
N244:25			Node 25 Position Command Compare
N244:26			Node 26 Position Command Compare
N244:27			Node 27 Position Command Compare
N244:28			Node 28 Position Command Compare
N244:29			Node 29 Position Command Compare
N244:30			Node 30 Position Command Compare
N247:0			Always Zero
N247:1			Read MSG Status
N247:2			Read MSG Error Code
N247:3			Read MSG Commanded Speed
N247:4			Read MSG Speed Feedback
N247:5			Read MSG Output Current
N247:6			Read MSG DC Bus Voltage
N247:7			Read MSG Output Voltage
N247:8			Write MSG Command Word
N247:9			Write MSG Speed Reference
N247:10			Write File Offset Math (multiply by 5)
N247:11			Write File Offset Math for Speed (add 48)
N247:12			Write File Offset Math for Logic Command (add 47)
N247:13			Read File Offset Math (multiply by 11)
N247:14			Read File Offset Math for Status (add 40)
N247:15			Read File Offset Math for Commanded Speed (add 42)
N247:16			Write File Offset Math for Logic Command Compare (add 50)
N247:17			Write File Offset Math for Logic Command (add 47)
N247:18			Read File Offset Math for Drive Type (add 40)
N247:19			Read File Offset Math for Drive Type (add 39)
N247:20			Drive Type Read Data
N247:21			Write File Offset Math for Speed Source (add 49)
N247:22			Write File Offset Math for Speed Source Compare (add 51)
N247:23			Write MSG Speed Reference Source Word

Address/Symbol Database

Address	Symbol	Scope	Description
N247:35			Read File Offset Math for Position Step Parameter (add 48)
N247:36			Read File Offset Math for Speed Source Parameter (add 49)
N247:37			Read File Offset Math for Drive Type (add 41)
N247:38			Read File Offset Math for Drive Type (add 47)
N247:53			Write File Offset Math (multiply by 5)
N247:54			Write File Offset Math for Logic Command (add 47)
N255:0			Backup Node Address
N255:1			Product Family Code
N255:2			Backup Timestamp Year
N255:3			Backup Timestamp Month
N255:4			Backup Timestamp Day
N255:5			Backup Timestamp Hour
N255:6			Backup Timestamp Minute
N255:7			Backup Timestamp Second
N255:252			LCD Backup/Restore Control
N255:253			Copy of Backup/Restore Node Address
N255:254			Product Family Code of Default Drive
N255:255			Restore Node Address
O:0/0	OUTPUT_0	Global	
O:0/8			
O:0/9			Node #1 Responding
S:0			Arithmetic Flags
S:0/0			Processor Arithmetic Carry Flag
S:0/1			Processor Arithmetic Underflow/ Overflow Flag
S:0/2			Processor Arithmetic Zero Flag
S:0/3			Processor Arithmetic Sign Flag
S:1			Processor Mode Status/ Control
S:1/0			Processor Mode Bit 0
S:1/1			Processor Mode Bit 1
S:1/2			Processor Mode Bit 2
S:1/3			Processor Mode Bit 3
S:1/4			Processor Mode Bit 4
S:1/5			Forces Enabled
S:1/6			Forces Present
S:1/7			Comms Active
S:1/8			Fault Override at Powerup
S:1/9			Startup Protection Fault
S:1/10			Load Memory Module on Memory Error
S:1/11			Load Memory Module Always
S:1/12			Load Memory Module and RUN
S:1/13			Major Error Halted
S:1/14			Access Denied
S:1/15			First Pass
S:2/0			STI Pending
S:2/1			STI Enabled
S:2/2			STI Executing
S:2/3			Index Addressing File Range
S:2/4			Saved with Debug Single Step
S:2/5			DH-485 Incoming Command Pending
S:2/6			DH-485 Message Reply Pending
S:2/7			DH-485 Outgoing Message Command Pending
S:2/15			Comms Servicing Selection
S:3			Current Scan Time/ Watchdog Scan Time
S:4			Time Base
S:5/0			Overflow Trap
S:5/2			Control Register Error
S:5/3			Major Err Detected Executing UserFault Routine
S:5/4			M0-M1 Referenced on Disabled Slot
S:5/8			Memory Module Boot
S:5/9			Memory Module Password Mismatch
S:5/10			STI Overflow
S:5/11			Battery Low
S:6			Major Error Fault Code
S:7			Suspend Code
S:8			Suspend File
S:9			Active Nodes
S:10			Active Nodes
S:11			I/O Slot Enables
S:12			I/O Slot Enables
S:13			Math Register
S:14			Math Register
S:15			Node Address/ Baud Rate
S:16			Debug Single Step Rung
S:17			Debug Single Step File
S:18			Debug Single Step Breakpoint Rung
S:19			Debug Single Step Breakpoint File
S:20			Debug Fault/ Powerdown Rung
S:21			Debug Fault/ Powerdown File
S:22			Maximum Observed Scan Time
S:23			Average Scan Time
S:24			Index Register
S:25			I/O Interrupt Pending
S:26			I/O Interrupt Pending
S:27			I/O Interrupt Enabled

Address/Symbol Database

Address	Symbol	Scope	Description
S:28			I/O Interrupt Enabled
S:29			User Fault Routine File Number
S:30			STI Setpoint
S:31			STI File Number
S:32			I/O Interrupt Executing
S:33			Extended Proc Status Control Word
S:33/0			Incoming Command Pending
S:33/1			Message Reply Pending
S:33/2			Outgoing Message Command Pending
S:33/3			Selection Status User/DF1
S:33/4			Communicat Active
S:33/5			Communicat Servicing Selection
S:33/6			Message Servicing Selection Channel 0
S:33/7			Message Servicing Selection Channel 1
S:33/8			Interrupt Latency Control Flag
S:33/9			Scan Toggle Flag
S:33/10			Discrete Input Interrupt Reconfigur Flag
S:33/11			Online Edit Status
S:33/12			Online Edit Status
S:33/13			Scan Time Timebase Selection
S:33/14			DTR Control Bit
S:33/15			DTR Force Bit
S:34			Pass-thru Disabled
S:34/0			Pass-Thru Disabled Flag
S:34/1			DH+ Active Node Table Enable Flag
S:34/2			Floating Point Math Flag Disable,Fl
S:35			Last 1 ms Scan Time
S:36			Extended Minor Error Bits
S:36/8			DII Lost
S:36/9			STI Lost
S:36/10			Memory Module Data File Overwrite Protection
S:37			Clock Calendar Year
S:38			Clock Calendar Month
S:39			Clock Calendar Day
S:40			Clock Calendar Hours
S:41			Clock Calendar Minutes
S:42			Clock Calendar Seconds
S:43			STI Interrupt Time
S:44			I/O Event Interrupt Time
S:45			DII Interrupt Time
S:46			Discrete Input Interrupt- File Number
S:47			Discrete Input Interrupt- Slot Number
S:48			Discrete Input Interrupt- Bit Mask
S:49			Discrete Input Interrupt- Compare Value
S:50			Processor Catalog Number
S:51			Discrete Input Interrupt- Return Number
S:52			Discrete Input Interrupt- Accumulat
S:53			Reserved/ Clock Calendar Day of the Week
S:55			Last DII Scan Time
S:56			Maximum Observed DII Scan Time
S:57			Operating System Catalog Number
S:58			Operating System Series
S:59			Operating System FRN
S:61			Processor Series
S:62			Processor Revision
S:63			User Program Type
S:64			User Program Functional Index
S:65			User RAM Size
S:66			Flash EEPROM Size
S:67			Channel 0 Active Nodes
S:68			Channel 0 Active Nodes
S:69			Channel 0 Active Nodes
S:70			Channel 0 Active Nodes
S:71			Channel 0 Active Nodes
S:72			Channel 0 Active Nodes
S:73			Channel 0 Active Nodes
S:74			Channel 0 Active Nodes
S:75			Channel 0 Active Nodes
S:76			Channel 0 Active Nodes
S:77			Channel 0 Active Nodes
S:78			Channel 0 Active Nodes
S:79			Channel 0 Active Nodes
S:80			Channel 0 Active Nodes
S:81			Channel 0 Active Nodes
S:82			Channel 0 Active Nodes
S:83			DH+ Active Nodes
S:84			DH+ Active Nodes
S:85			DH+ Active Nodes
S:86			DH+ Active Nodes
T225:0			Drive Status Delay Timer
T225:1			Drive Type Delay Timer
T225:2			
T225:3			
T225:4			

Address/Symbol Database

Address	Symbol	Scope	Description
T225:5			
T225:6			
T225:7			
T225:8			
T225:9			
T225:10	MIN_RUN_TIMER	Global	Min Run Delay Timer
T225:11	LO_FLO_TIMER	Global	Low/No-Flow Detect Delay Timer
T225:12	MAX_BST_TIMER	Global	Max Boost Timer
T225:13	MIN_SLP_TIMER	Global	Min Sleep Timer
T225:14	RUN_OUT_TIMER	Global	Run-Out Detect Delay Timer
T225:15	DRY_PMP_TIMER	Global	Dry Pump Detect Delay Timer
T225:16			
T225:17			
T225:18	9_MIN_RUN_TIMER	Global	Drv #9 Min Run Delay Timer
T225:19	9_LO_FLO_TIMER	Global	Drv #9 Low/No-Flow Detect Delay Timer
T225:20	9_MAX_BST_TIMER	Global	Drv #9 Max Boost Timer
T225:21	9_MIN_SLP_TIMER	Global	Drv #9 Min Sleep Timer
T225:22	9_RUN_OUT_TIMER	Global	Drv #9 Run Out Detect Delay Timer
T225:23	9_DRY_PMP_TIMER	Global	Drv #9 Dry Pump Detect Delay Timer
T225:24			
T225:25			
T225:26	10_MIN_RUN_TIMER	Global	Drv #10 Min Run Delay Timer
T225:27	10_LO_FLO_TIMER	Global	Drv #10 Low/No-Flow Detect Delay Timer
T225:28	10_MAX_BST_TIMER	Global	Drv #10 Max Boost Timer
T225:29	10_MIN_SLP_TIMER	Global	Drv #10 Min Sleep Timer
T225:30	10_RUN_OUT_TIMER	Global	Drv #10 Run Out Detect Delay Timer
T225:31	10_DRY_PMP_TIMER	Global	Drv #10 Dry Pump Detect Delay Timer
T225:32			
T225:33			
T225:34	11_MIN_RUN_TIMER	Global	Drv #11 Min Run Delay Timer
T225:35	11_LO_FLO_TIMER	Global	Drv #11 Low/No-Flow Detect Delay Timer
T225:36	11_MAX_BST_TIMER	Global	Drv #11 Max Boost Timer
T225:37	11_MIN_SLP_TIMER	Global	Drv #11 Min Sleep Timer
T225:38	11_RUN_OUT_TIMER	Global	Drv #11 Run Out Detect Delay Timer
T225:39	11_DRY_PMP_TIMER	Global	Drv #11 Dry Pump Detect Delay Timer
T225:40			
T225:41			
T225:42	12_MIN_RUN_TIMER	Global	Drv #12 Min Run Delay Timer
T225:43	12_LO_FLO_TIMER	Global	Drv #12 Low/No-Flow Detect Delay Timer
T225:44	12_MAX_BST_TIMER	Global	Drv #12 Max Boost Timer
T225:45	12_MIN_SLP_TIMER	Global	Drv #12 Min Sleep Timer
T225:46	12_RUN_OUT_TIMER	Global	Drv #12 Run Out Detect Delay Timer
T225:47	12_DRY_PMP_TIMER	Global	Drv #12 Dry Pump Detect Delay Timer
T225:48			
T225:49			
T225:50	13_MIN_RUN_TIMER	Global	Drv #13 Min Run Delay Timer
T225:51	13_LO_FLO_TIMER	Global	Drv #13 Low/No-Flow Detect Delay Timer
T225:52	13_MAX_BST_TIMER	Global	Drv #13 Max Boost Timer
T225:53	13_MIN_SLP_TIMER	Global	Drv #13 Min Sleep Timer
T225:54	13_RUN_OUT_TIMER	Global	Drv #13 Run Out Detect Delay Timer
T225:55	13_DRY_PMP_TIMER	Global	Drv #13 Dry Pump Detect Delay Timer
T225:56			
T225:57			
T225:58	14_MIN_RUN_TIMER	Global	Drv #14 Min Run Delay Timer
T225:59	14_LO_FLO_TIMER	Global	Drv #14 Low/No-Flow Detect Delay Timer
T225:60	14_MAX_BST_TIMER	Global	Drv #14 Max Boost Timer
T225:61	14_MIN_SLP_TIMER	Global	Drv #14 Min Sleep Timer
T225:62	14_RUN_OUT_TIMER	Global	Drv #14 Run Out Detect Delay Timer
T225:63	14_DRY_PMP_TIMER	Global	Drv #14 Dry Pump Detect Delay Timer
T225:64			
T225:65			
T225:66	15_MIN_RUN_TIMER	Global	Drv #15 Min Run Delay Timer
T225:67	15_LO_FLO_TIMER	Global	Drv #15 Low/No-Flow Detect Delay Timer
T225:68	15_MAX_BST_TIMER	Global	Drv #15 Max Boost Timer
T225:69	15_MIN_SLP_TIMER	Global	Drv #15 Min Sleep Timer
T225:70	15_RUN_OUT_TIMER	Global	Drv #15 Run Out Detect Delay Timer
T225:71	15_DRY_PMP_TIMER	Global	Drv #15 Dry Pump Detect Delay Timer
T225:72			
T225:73			
T225:74	16_MIN_RUN_TIMER	Global	Drv #16 Min Run Delay Timer
T225:75	16_LO_FLO_TIMER	Global	Drv #16 Low/No-Flow Detect Delay Timer
T225:76	16_MAX_BST_TIMER	Global	Drv #16 Max Boost Timer
T225:77	16_MIN_SLP_TIMER	Global	Drv #16 Min Sleep Timer
T225:78	16_RUN_OUT_TIMER	Global	Drv #16 Run Out Detect Delay Timer
T225:79	16_DRY_PMP_TIMER	Global	Drv #16 Dry Pump Detect Delay Timer
T225:80			
T225:81			
T237:0	T238	Global	Node Scan Timer
T237:0/EN			Comms Scan Cycle Timer
T238:0			Comms Scan Cycle Timer
T238:0/EN			
T242:0			
U:100			User Machine Control Program
U:232			PowerFlex 400 Pump Control Subroutine

Address/Symbol Database

Address	Symbol	Scope	Description
U:233			Pump Control PVc Display Control
U:234			PowerFlex 400 Pump Communications Routine
U:239			Drive Control PVc Display Control
U:240			Modbus Device Communication Scan Routine
U:241			PowerFlex 4-Class Drive Control Routine
U:242			PowerFlex 400 Drive Parameter Restore Subroutine
U:243			PowerFlex 400 Drive Parameter Backup Subroutine
U:244			PowerFlex 40P Drive Parameter Restore Subroutine
U:245			PowerFlex 40P Drive Parameter Backup Subroutine
U:246			PowerFlex 40 Drive Parameter Restore Subroutine
U:247			PowerFlex 40 Drive Parameter Backup Subroutine
U:248			PowerFlex 4 Drive Parameter Restore Subroutine
U:249			PowerFlex 4 Drive Parameter Backup Subroutine
U:250			PowerFlex 4M Drive Parameter Restore Subroutine
U:251			PowerFlex 4M Drive Parameter Backup Subroutine
U:252			PowerFlex 4-Class User Display/LCD Subroutine
U:253			Restore PowerFlex 4-Class Parameters for Node [N255:255=1 to 30] to Default Node #
U:254			Subroutine to Backup PowerFlex 4-Class Drive Parameters from Node# [N255:0=1 to 30]
U:255			PowerFlex 4-Class Drives Parameter Backup & Restore Main Subroutine

Instruction Comment Database

Address	Instruction	Description
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Symbol Group Database

Group_Name	Description
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