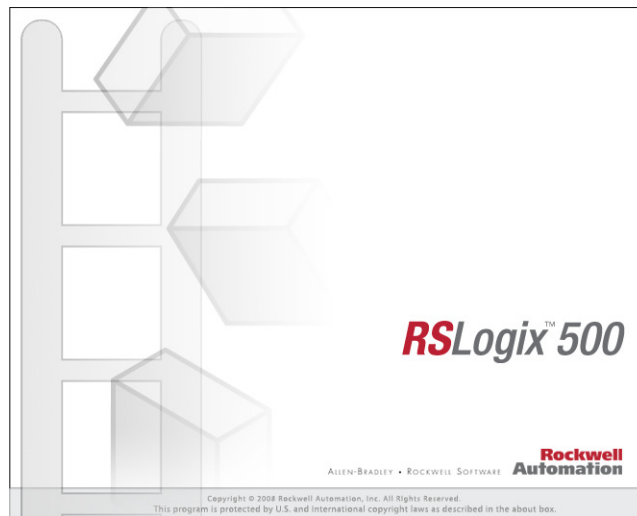


RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1766 MicroLogix 1400 Series A

Processor Name: TMP_CTRL

Total Memory Used: 890 Instruction Words Used - 1004 Data Table Words Used

Total Memory Left: 11544 Instruction Words Left

Program Files: 7

Data Files: 20

Program ID: e7b7

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: 00:00:00:00:00:00
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

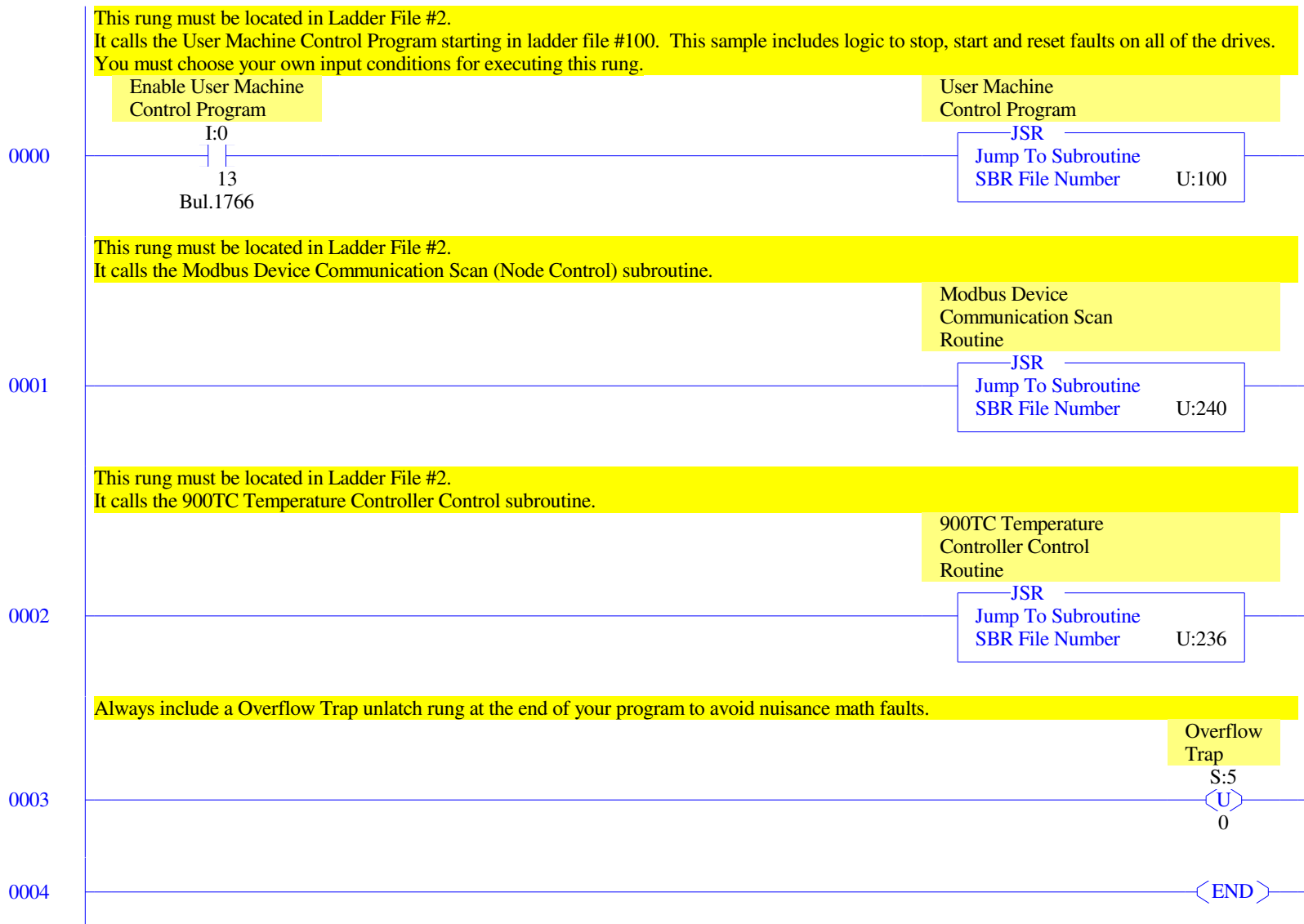
Source ID: 1 (decimal)
Baud: 19200
Parity: NONE
Control Line : No Handshaking
Error Detection: CRC
Embedded Responses: Auto Detect
Duplicate Packet Detect: Yes
ACK Timeout(x20 ms): 50
NAK Retries: 3
ENQ Retries: 3

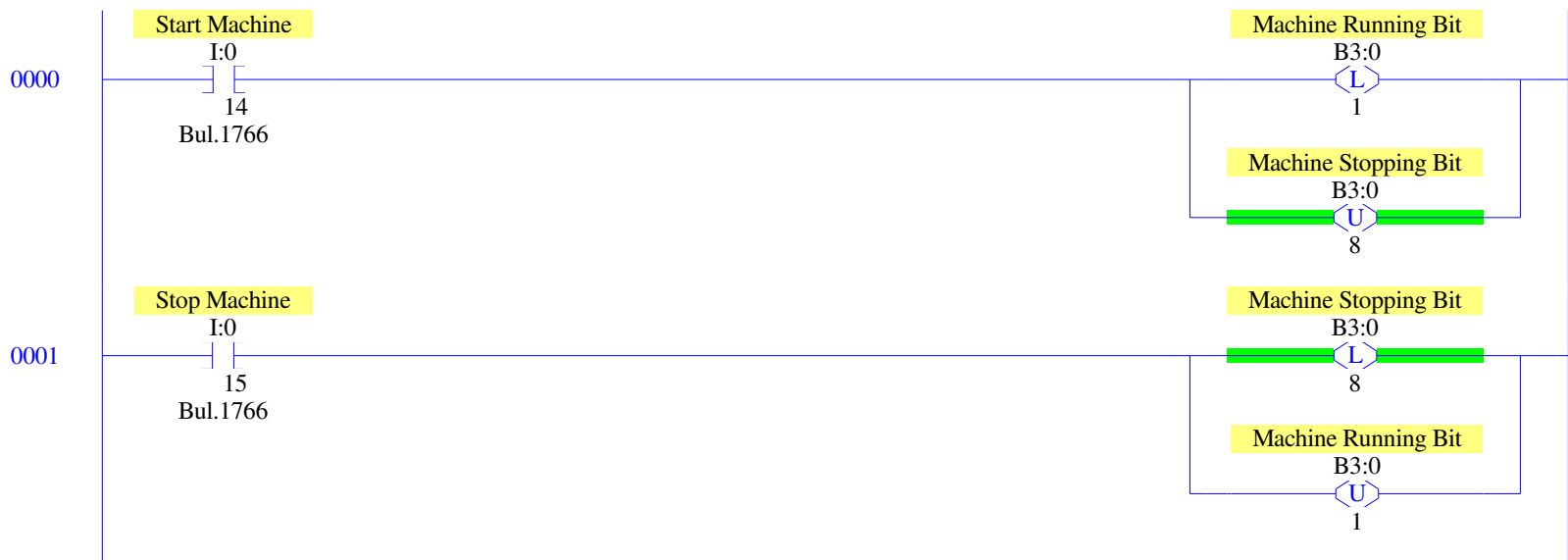
Program File List

Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	5	No	46
USER PRGRM	100	LADDER	5	No	339
TC PV CTRL	235	LADDER	3	No	281
900TC CTRL	236	LADDER	10	No	2475
NODE CTRL	240	LADDER	4	No	346

Data File List

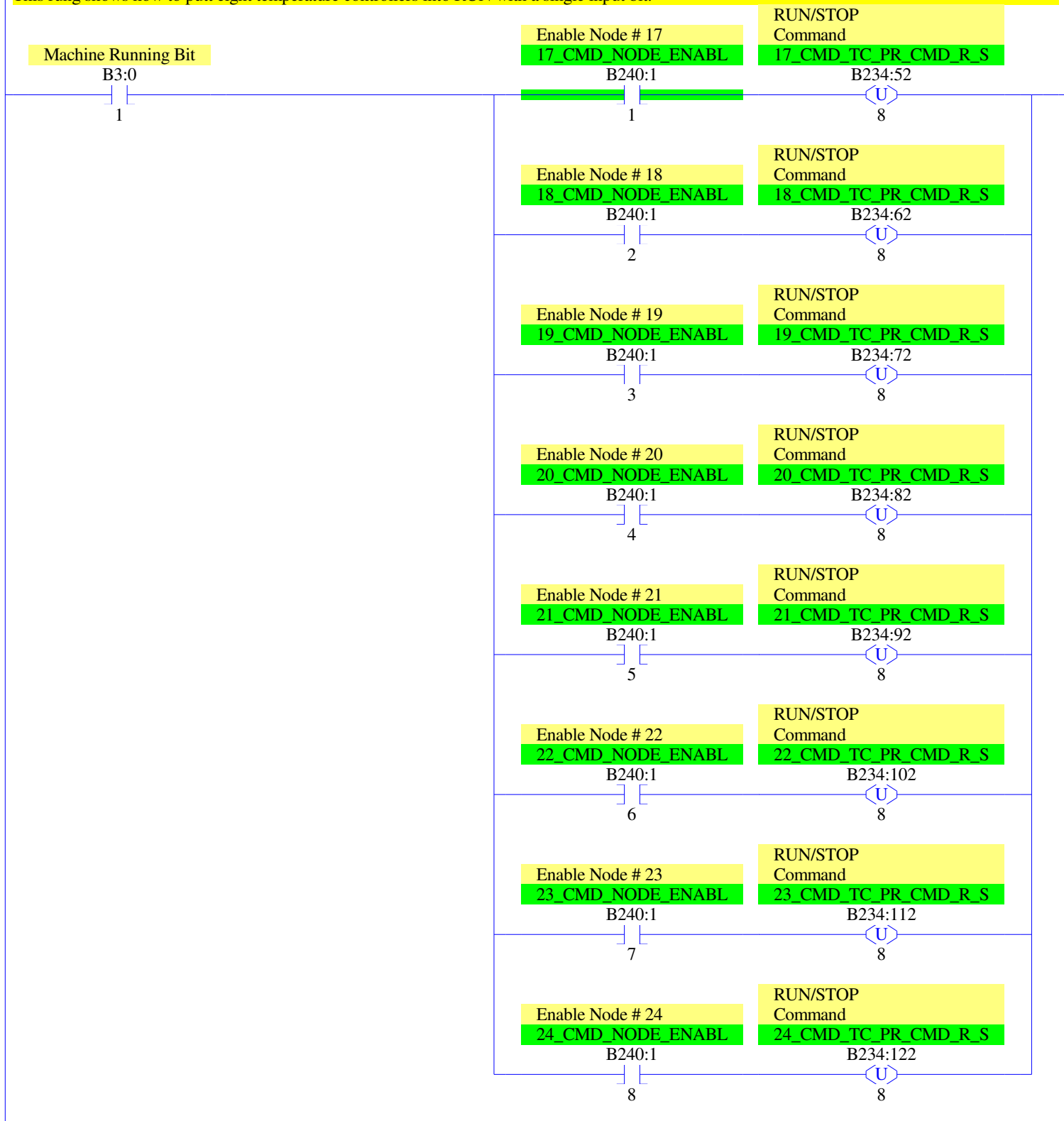
Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	18	6	O:5
INPUT	1	I	Global	No	24	8	I:7
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	1	1	B3:0
TIMER	4	T	Global	No	3	1	T4:0
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	2	2	N7:1
FLOAT	8	F	Global	No	2	1	F8:0
TC TIMERS	231	T	Global	No	3	1	T231:0
TC FLOATS	232	F	Global	No	4	2	F232:1
TC STATUS	233	B	Global	No	256	256	B233:255
TC CMMNDS	234	B	Global	No	256	256	B234:255
TC MISC	235	N	Global	No	26	26	N235:25
TC MSGS	236	MG	Global	No	100	4	MG236:3
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
	255	N	Global	No	256	256	N255:255





This rung shows how to put eight temperature controllers into RUN with a single input bit.

0002



This rung shows how to stop eight temperature controllers with a single input bit.

0003

Machine Stopping Bit

B3:0

8

Enable Node # 17

17_CMD_NODE_ENABL

B240:1

1

RUN/STOP
Command

17_CMD_TC_PR_CMD_R_S

B234:52

8

Enable Node # 18

18_CMD_NODE_ENABL

B240:1

2

RUN/STOP
Command

18_CMD_TC_PR_CMD_R_S

B234:62

8

Enable Node # 19

19_CMD_NODE_ENABL

B240:1

3

RUN/STOP
Command

19_CMD_TC_PR_CMD_R_S

B234:72

8

Enable Node # 20

20_CMD_NODE_ENABL

B240:1

4

RUN/STOP
Command

20_CMD_TC_PR_CMD_R_S

B234:82

8

Enable Node # 21

21_CMD_NODE_ENABL

B240:1

5

RUN/STOP
Command

21_CMD_TC_PR_CMD_R_S

B234:92

8

Enable Node # 22

22_CMD_NODE_ENABL

B240:1

6

RUN/STOP
Command

22_CMD_TC_PR_CMD_R_S

B234:102

8

Enable Node # 23

23_CMD_NODE_ENABL

B240:1

7

RUN/STOP
Command

23_CMD_TC_PR_CMD_R_S

B234:112

8

Enable Node # 24

24_CMD_NODE_ENABL

B240:1

8

RUN/STOP
Command

24_CMD_TC_PR_CMD_R_S

B234:122

8

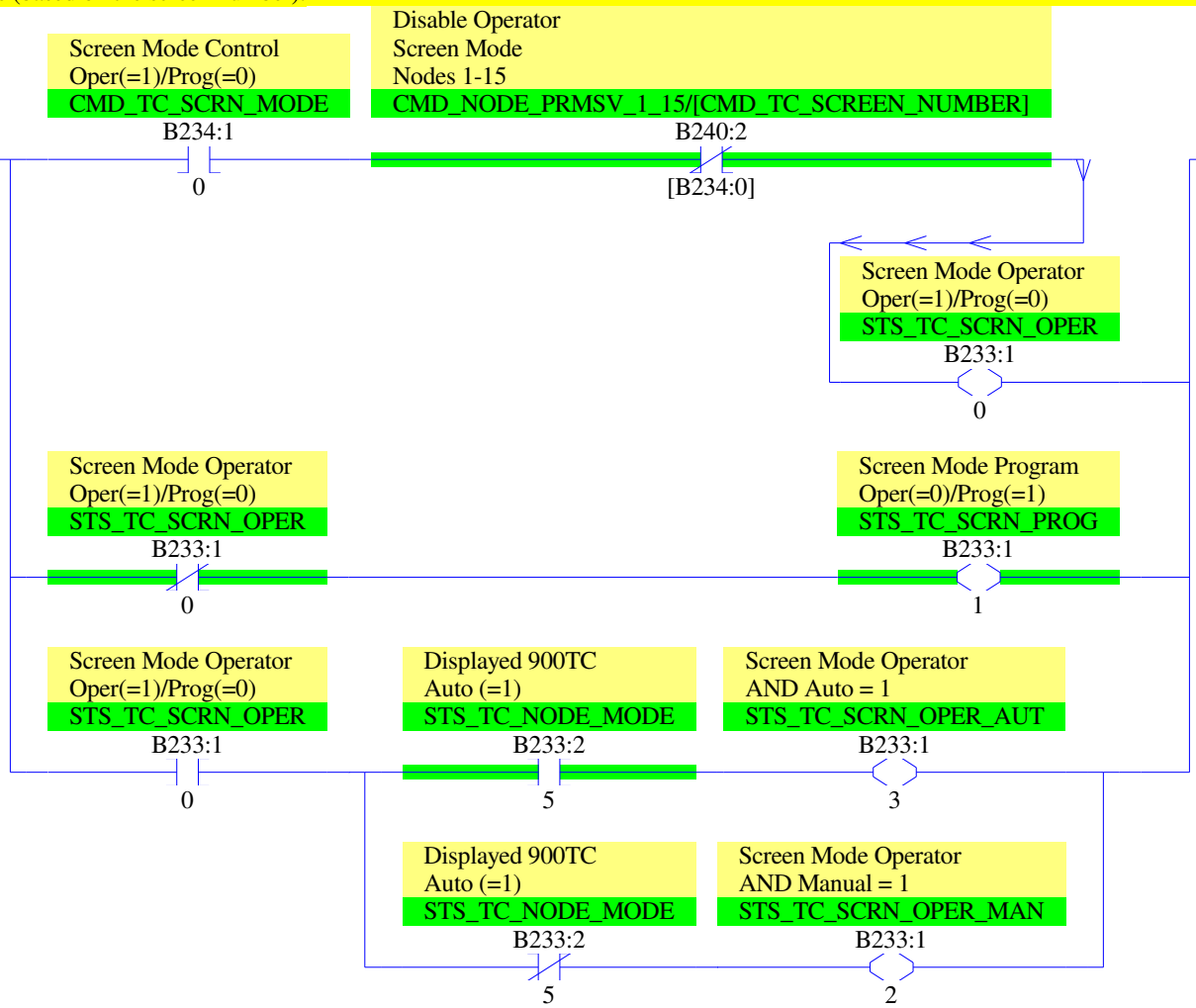
0004

END

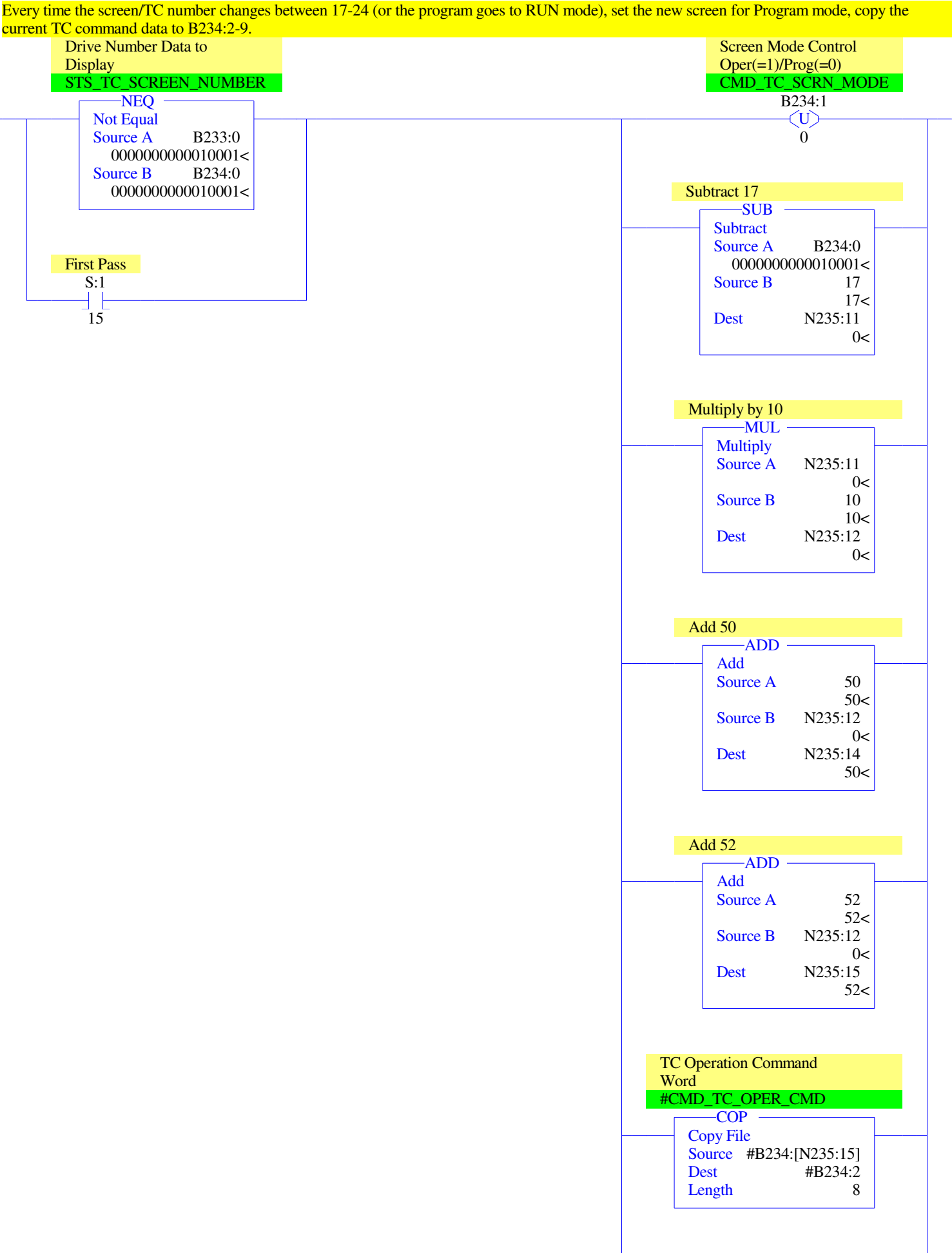
PanelView Component (PVC) Display Control for Temp Control Subroutine

All of the PVC TC status data is read from B233:1-12. The MicroLogix subroutines move the data for the TC being displayed (based on the screen number) into these registers. Similarly, the PVC TC commands are written to B233:1-9. The MicroLogix subroutines move the data from here to the appropriate TC registers (based on the screen number).

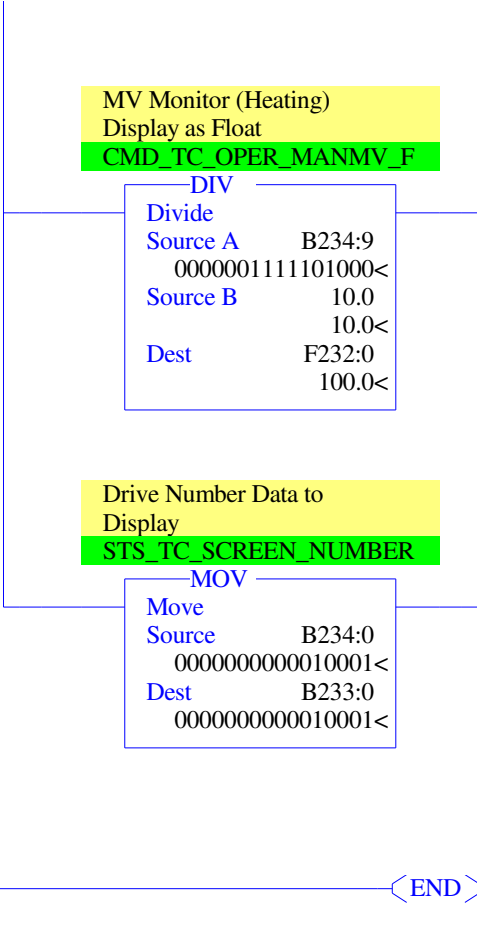
0000



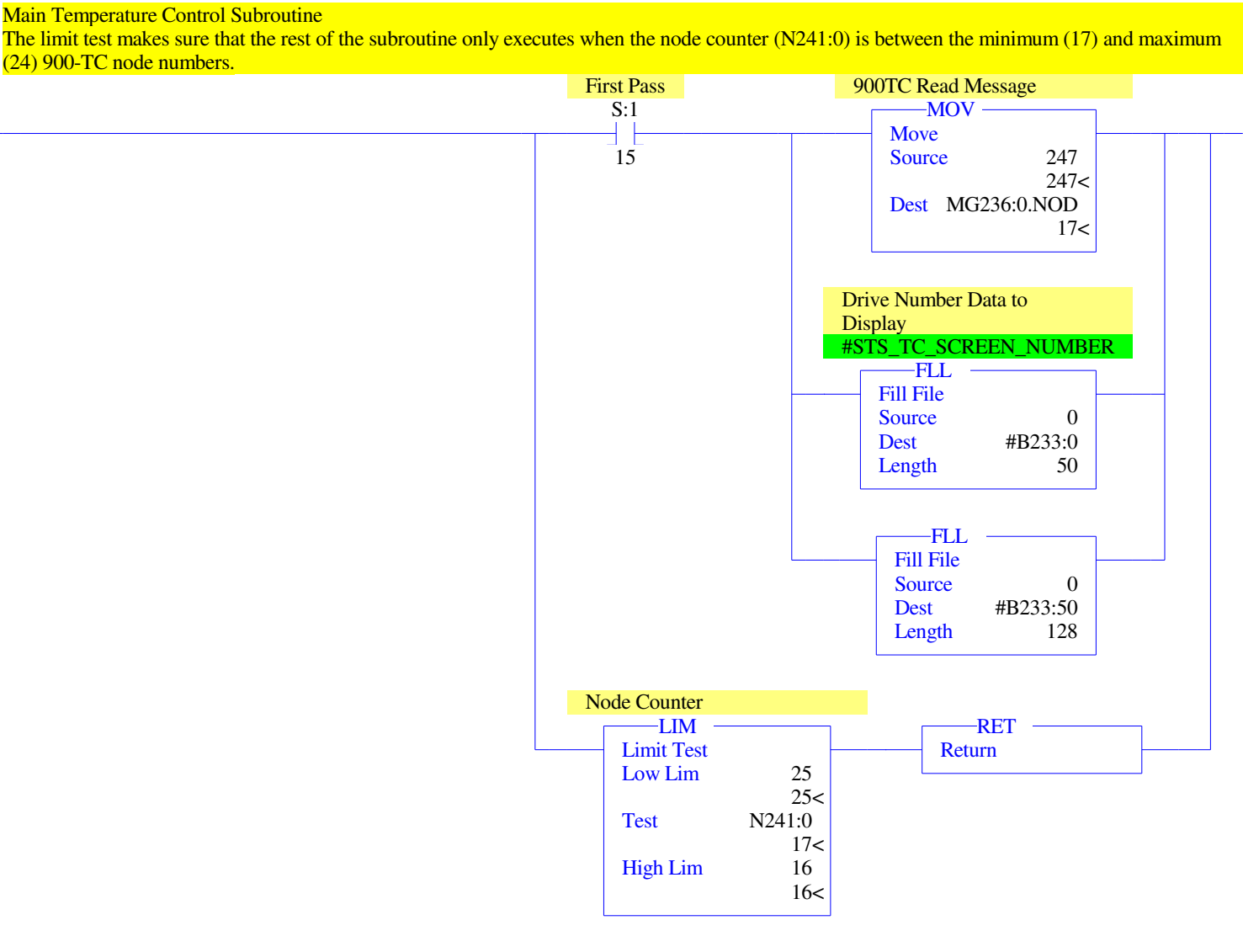
0001

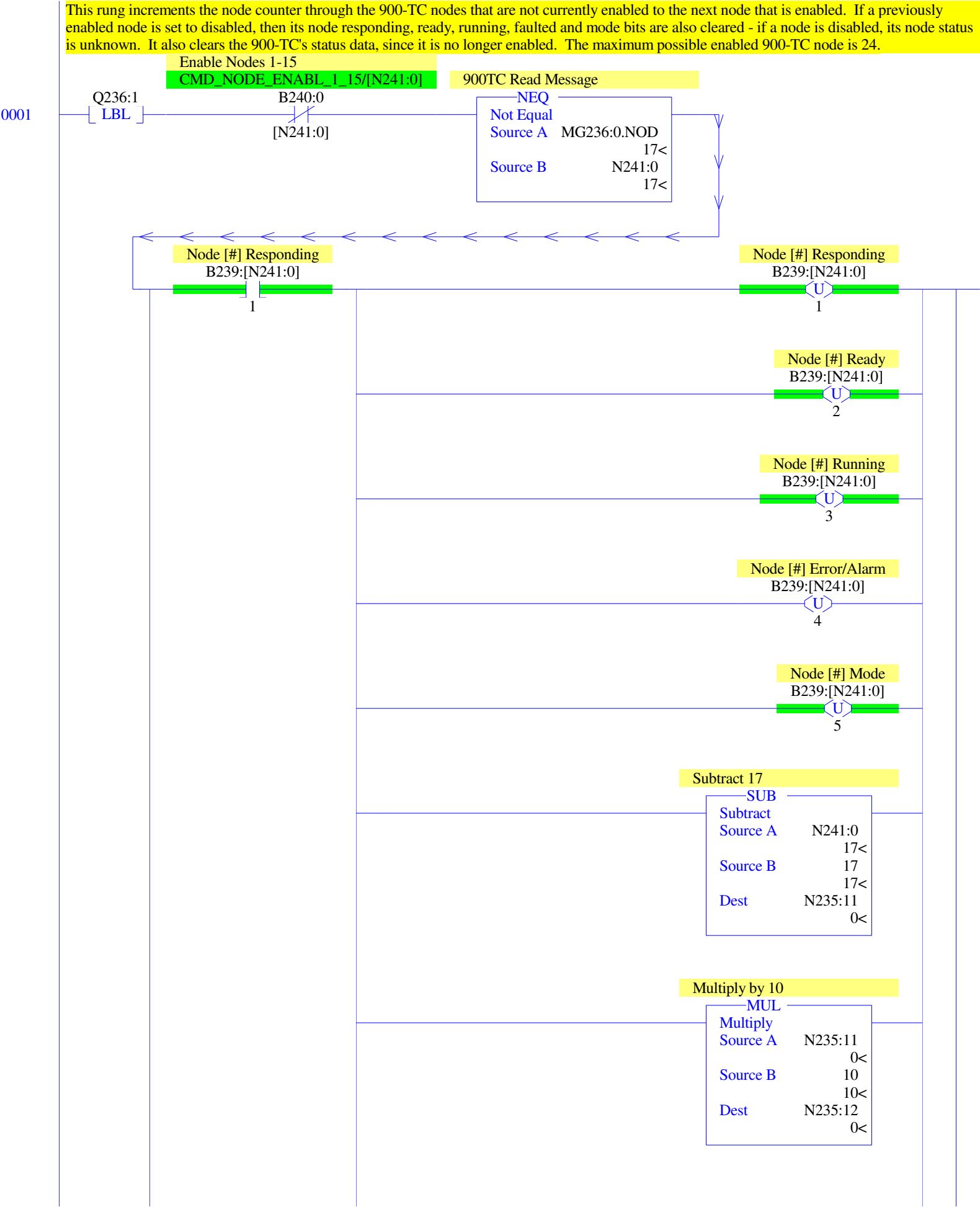


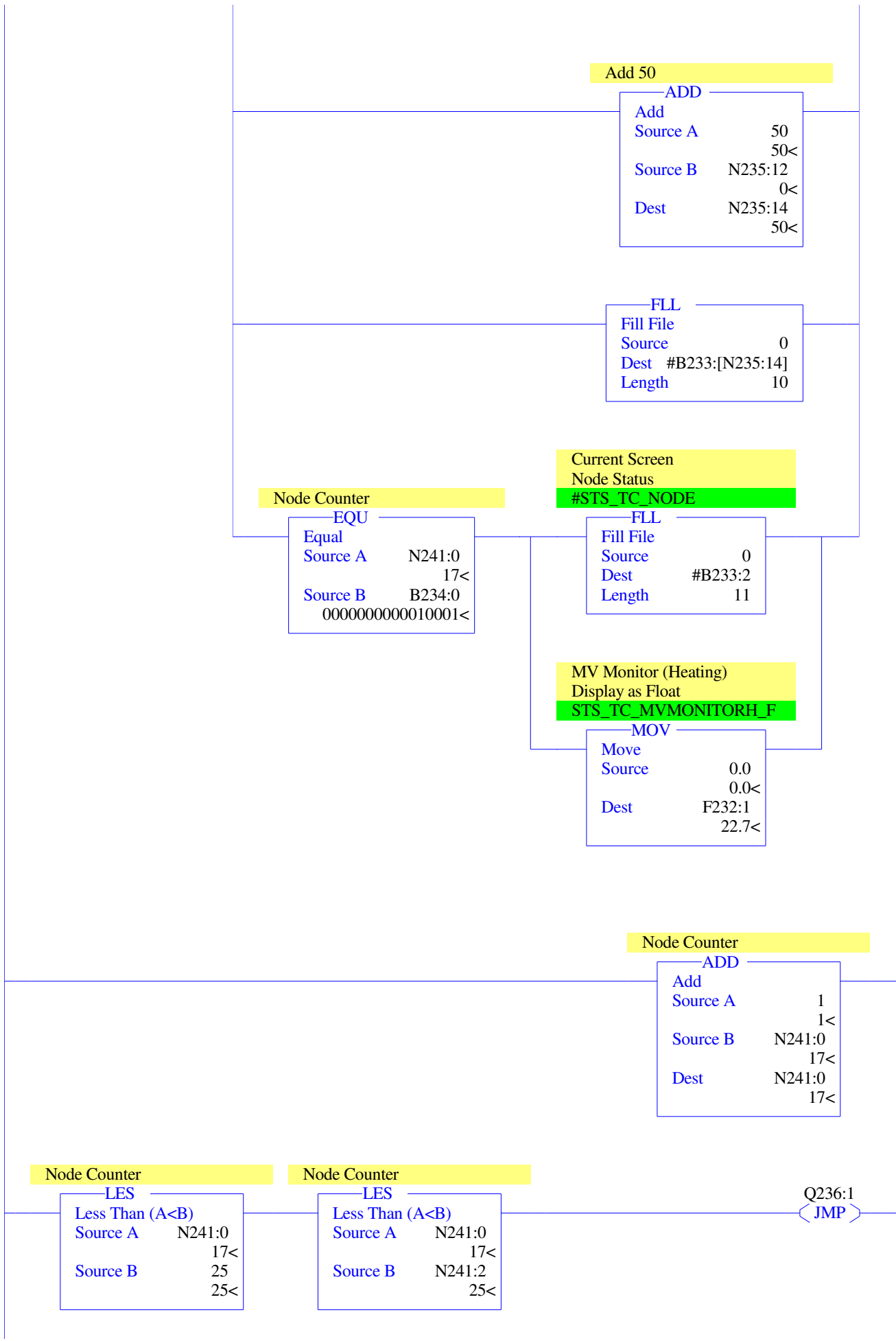
0002

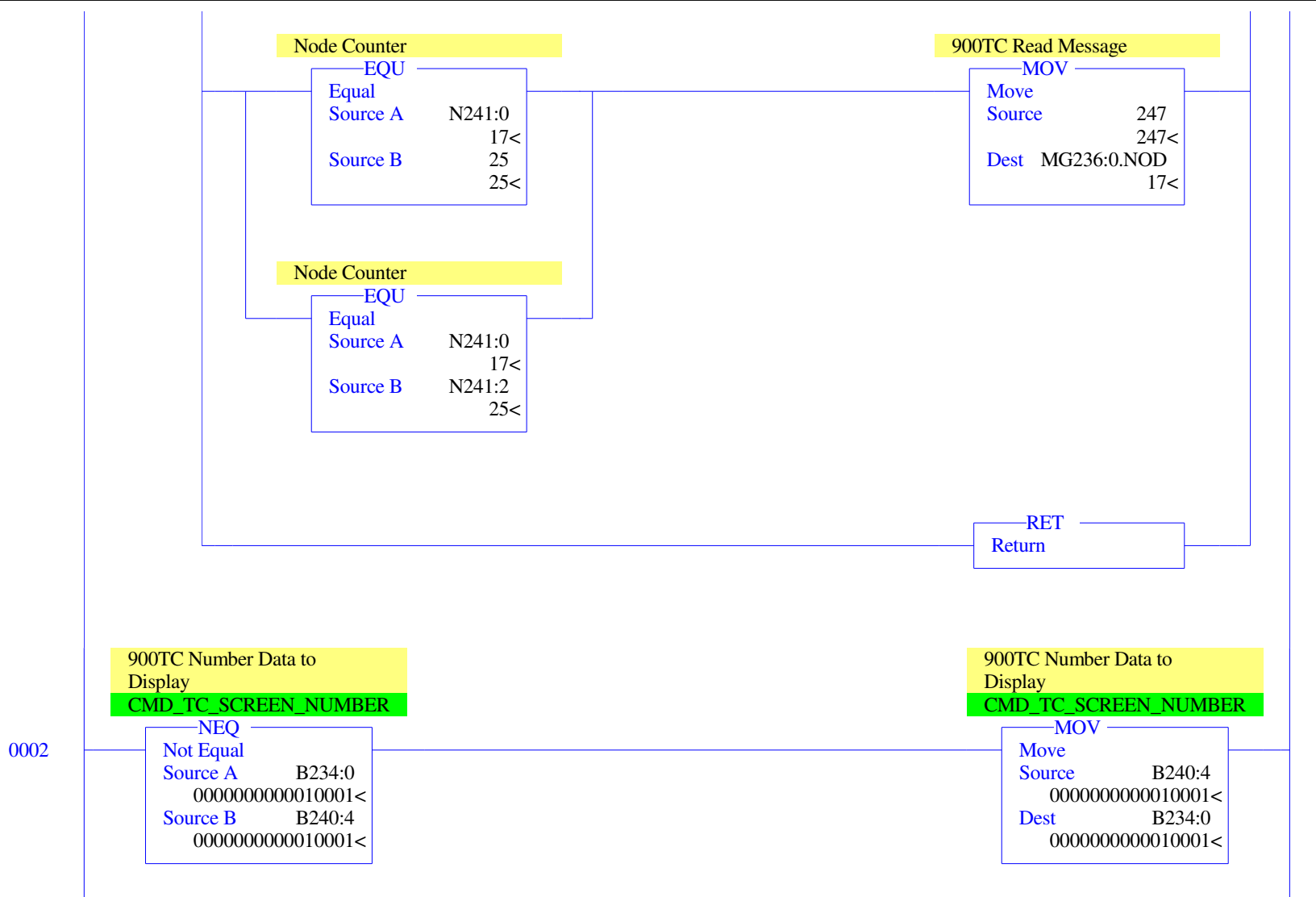


0000









As long as the node counter equals the currently displayed 900-TC node number, the 900-TC is enabled and the screen is in Operator mode, then accept commands from the PVc and overwrite any PLC 900-TC commands.

0003

Node Counter

EQU
Equal
Source A N241:0
 17<
Source B B234:0
 0000000000010001<

B239:[CMD_TC_SCREEN_NUMBER]/1

B239:[B234:0]

1

Subtract 17

SUB
Subtract
Source A N241:0
 17<
Source B 17
 17<
Dest N235:11
 0<

Multiply by 10

MUL
Multiply
Source A N235:11
 0<
Source B 10
 10<
Dest N235:12
 0<

Add 52

ADD
Add
Source A 52
 52<
Source B N235:12
 0<
Dest N235:15
 52<

Screen Mode Operator

Oper(=1)/Prog(=0)

STS_TC_SCRN_OPER

B233:1

0

Communications

Writing Command

CMD_TC_OPER_CMD_CMW

B234:2

9

Manual MV

Command

CMD_TC_OPER_MANMV

MUL
Multiply
Source A F232:0
 100.0<
Source B 10.0
 10.0<
Dest B234:9
 0000001111101000<

COP

Copy File

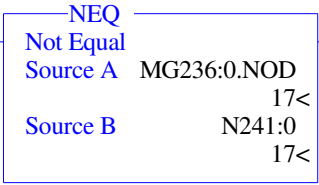
Source #B234:2

Dest #B234:[N235:15]

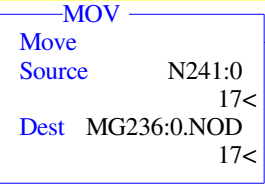
Length 8

For the next enabled node, the read message destination node is set and the write message data file offsets are calculated. For this 900-TC, if any of the command bits, set point or manipulated variable have changed since the last time it was written to, and if the node is active (responded to the last read attempt), then a write message will be sent to this 900-TC with the latest value. In any case, at least one read message is then sent to the drive to read status from the 900-TC. This rung is only true for one scan, which is enough to enable the read message and, under the conditions mentioned above, enable one or more write message(s).

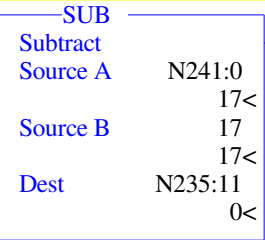
900TC Read Message



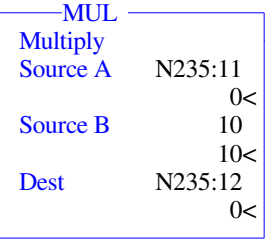
900TC Read Message



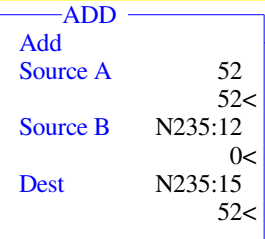
Subtract 17

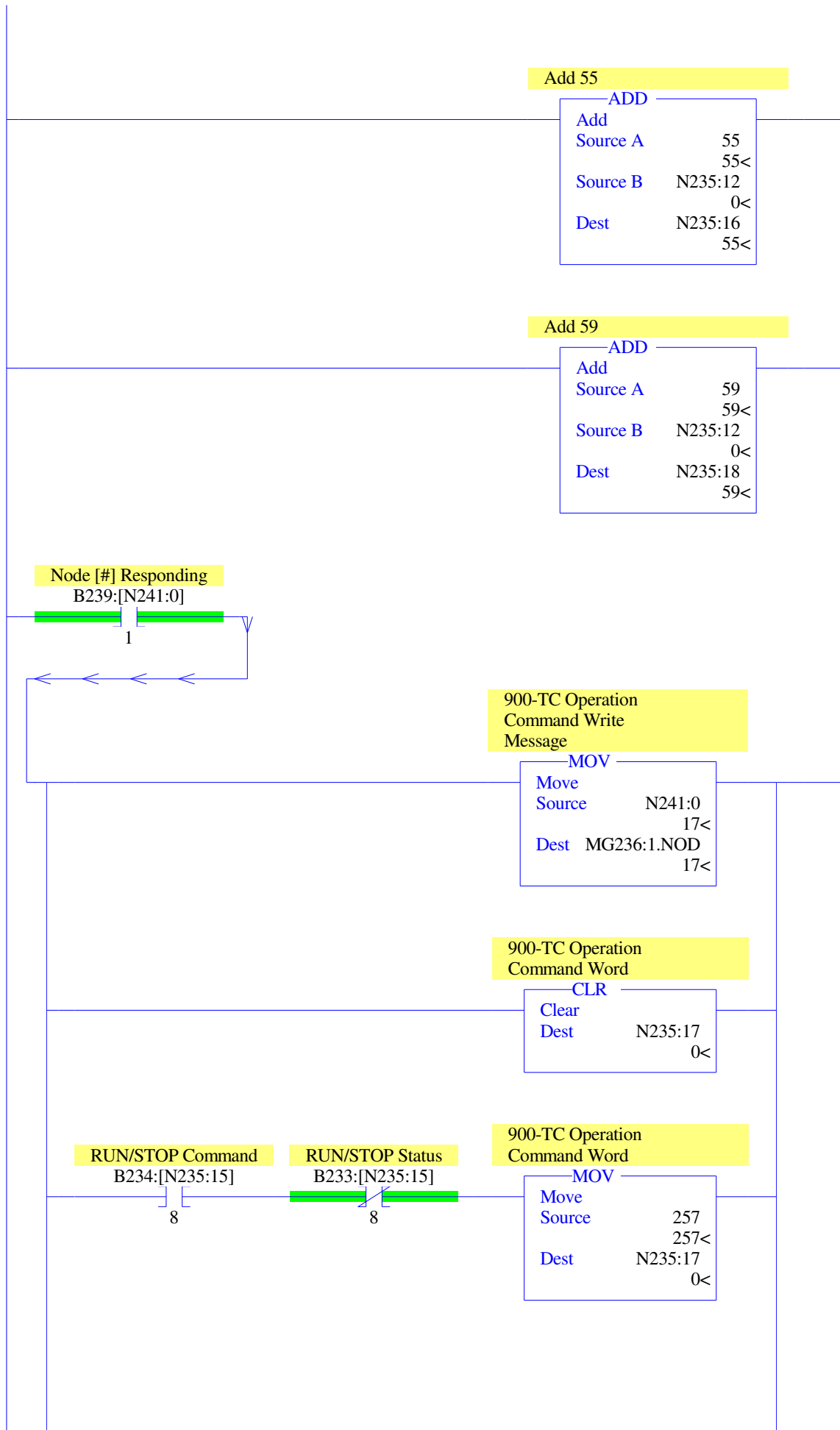


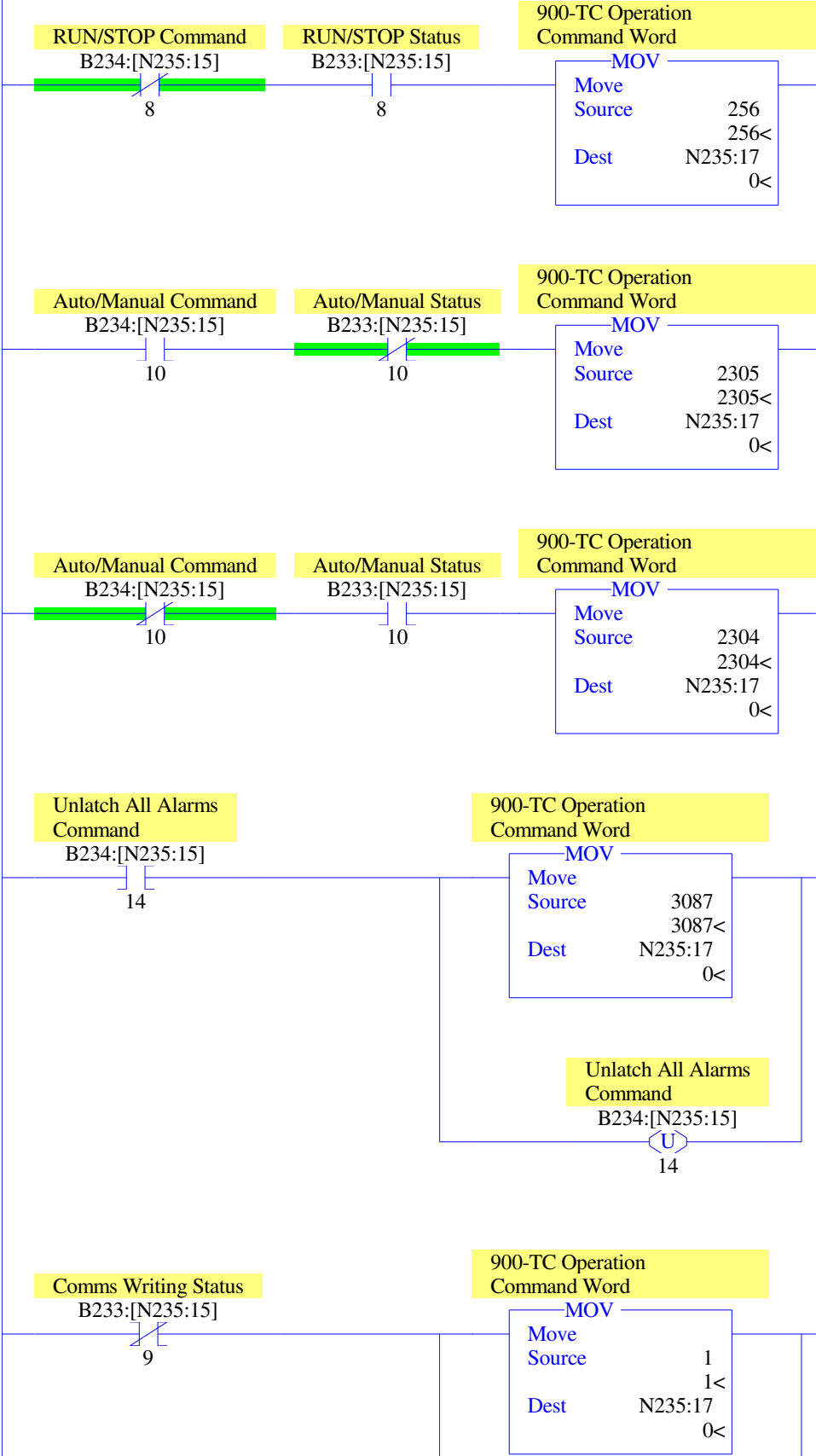
Multiply by 10

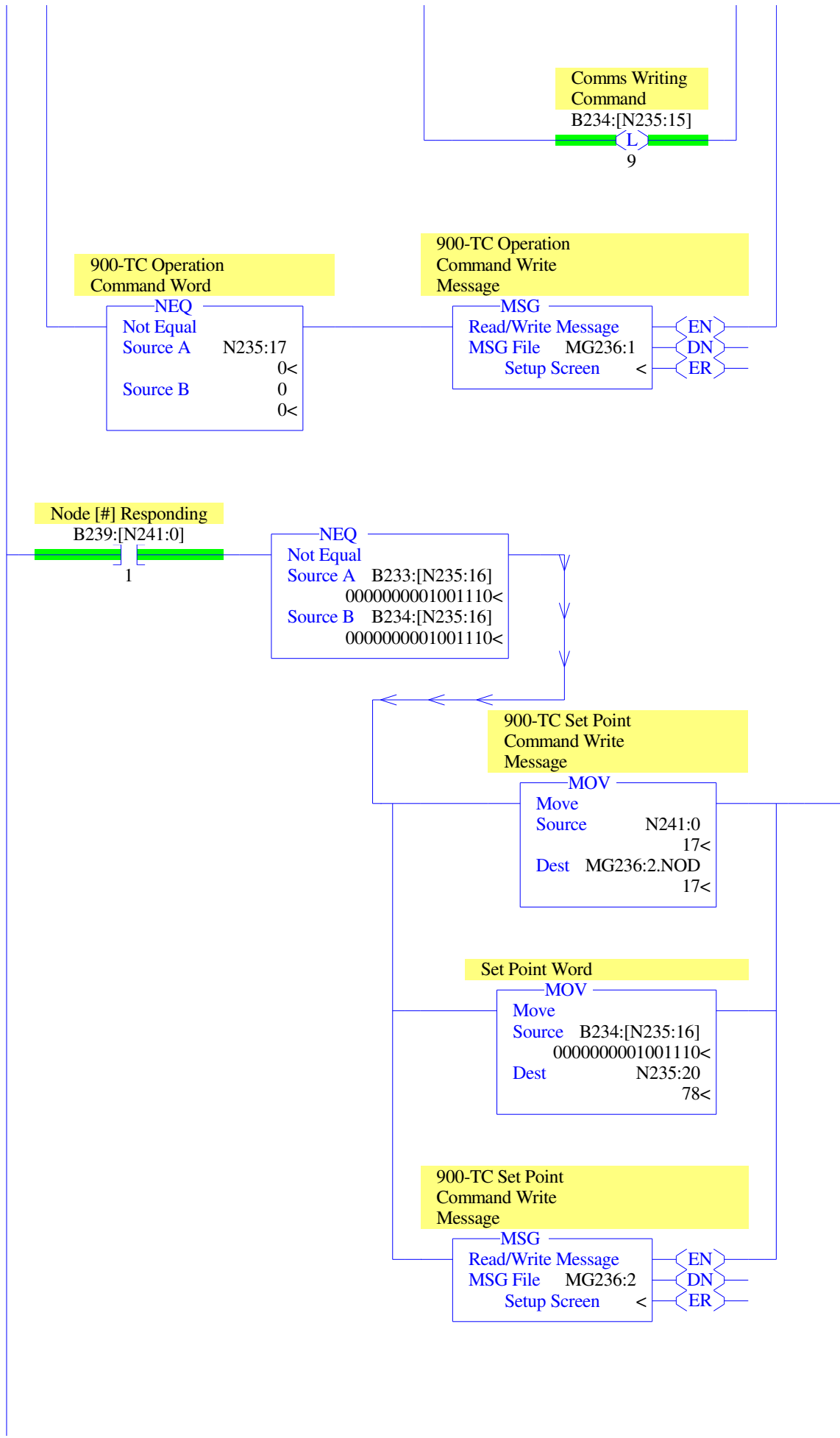


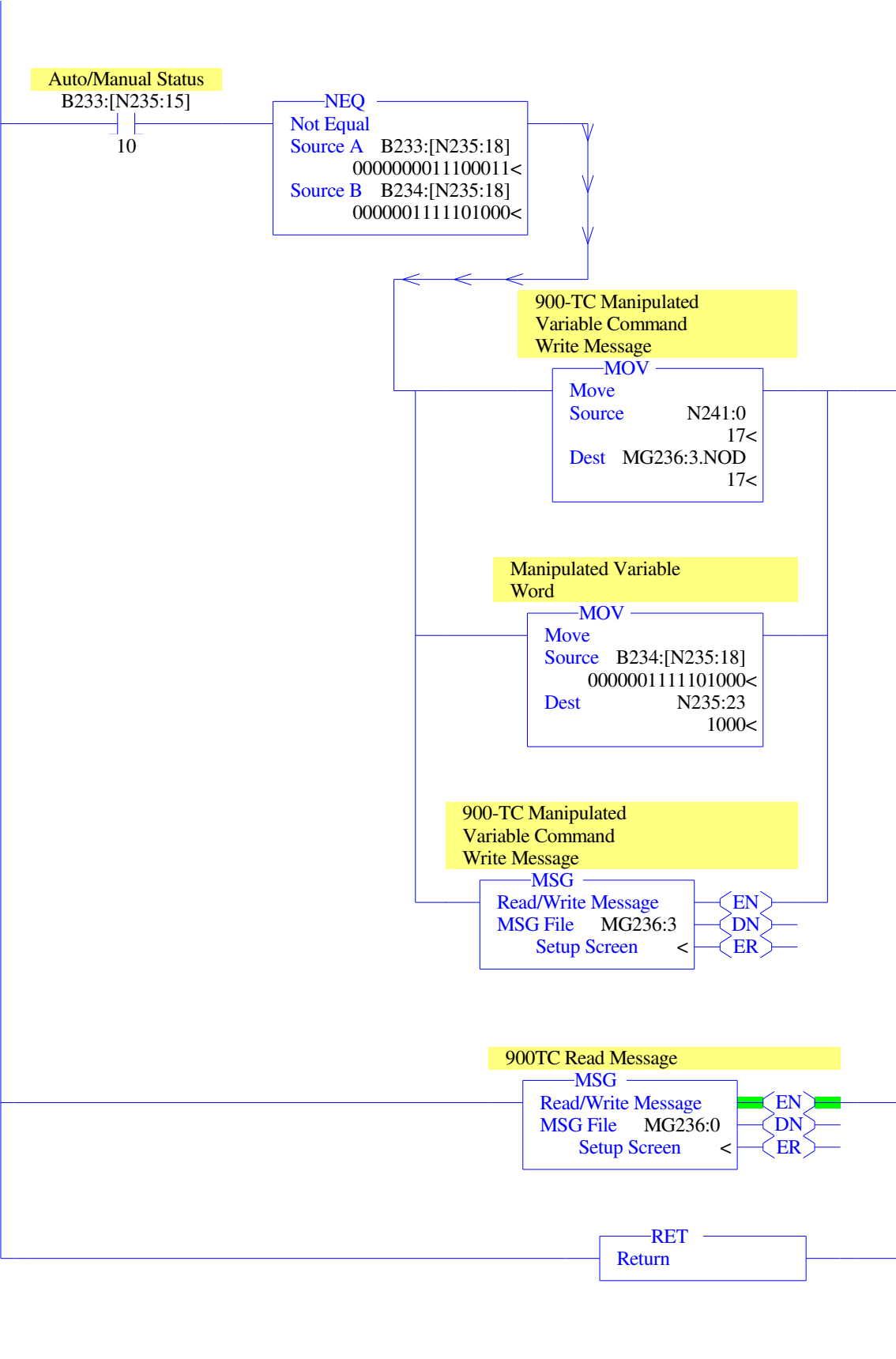
Add 52

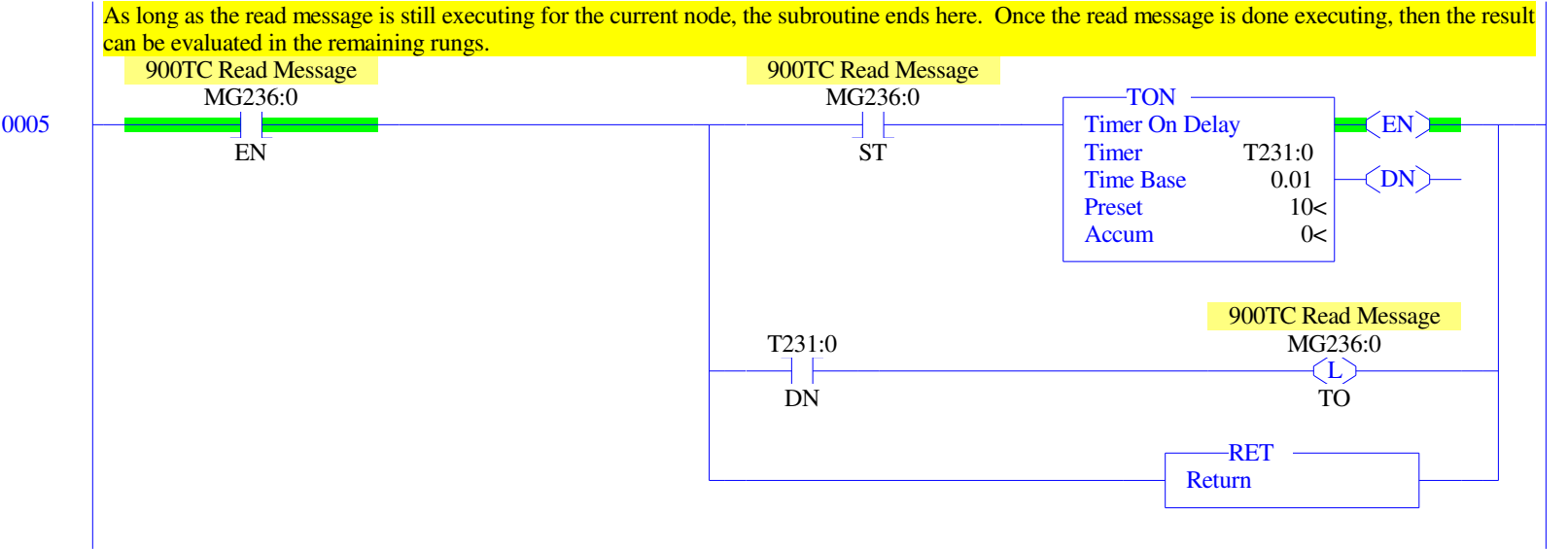












0006

Calculate offset into the TC Status file based on the TC node number.

Subtract 17

SUB

Subtract

Source A MG236:0.NOD

17<

Source B 17

17<

Dest N235:11

0<

Multiply by 10

MUL

Multiply

Source A N235:11

0<

Source B 10

10<

Dest N235:12

0<

Add 50

ADD

Add

Source A 50

50<

Source B N235:12

0<

Dest N235:14

50<

Add 52

ADD

Add

Source A 52

52<

Source B N235:12

0<

Dest N235:15

52<

Add 55

ADD

Add

Source A 55

55<

Source B N235:12

0<

Dest N235:16

55<

Add 59

ADD

Add

Source A 59

59<

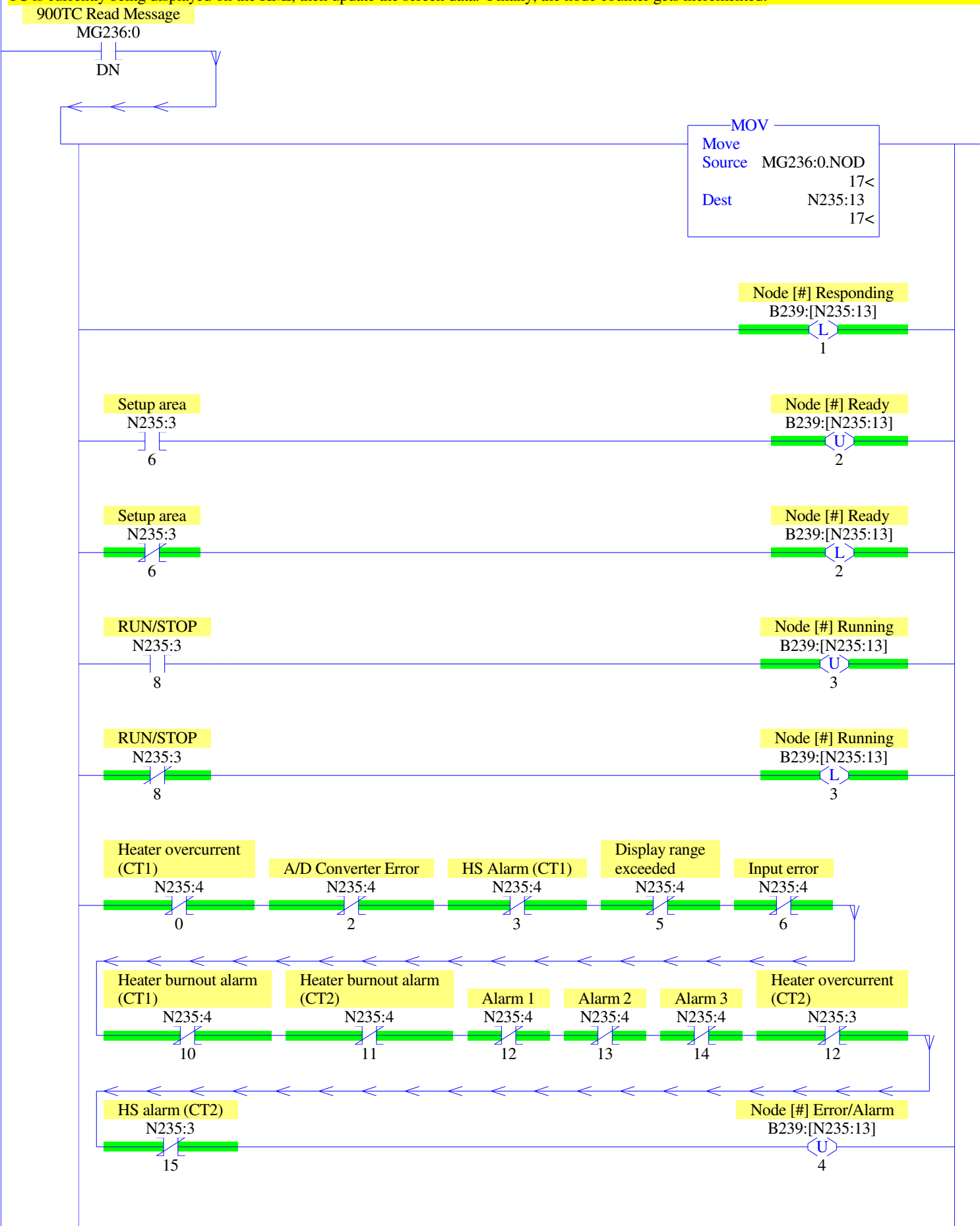
Source B N235:12

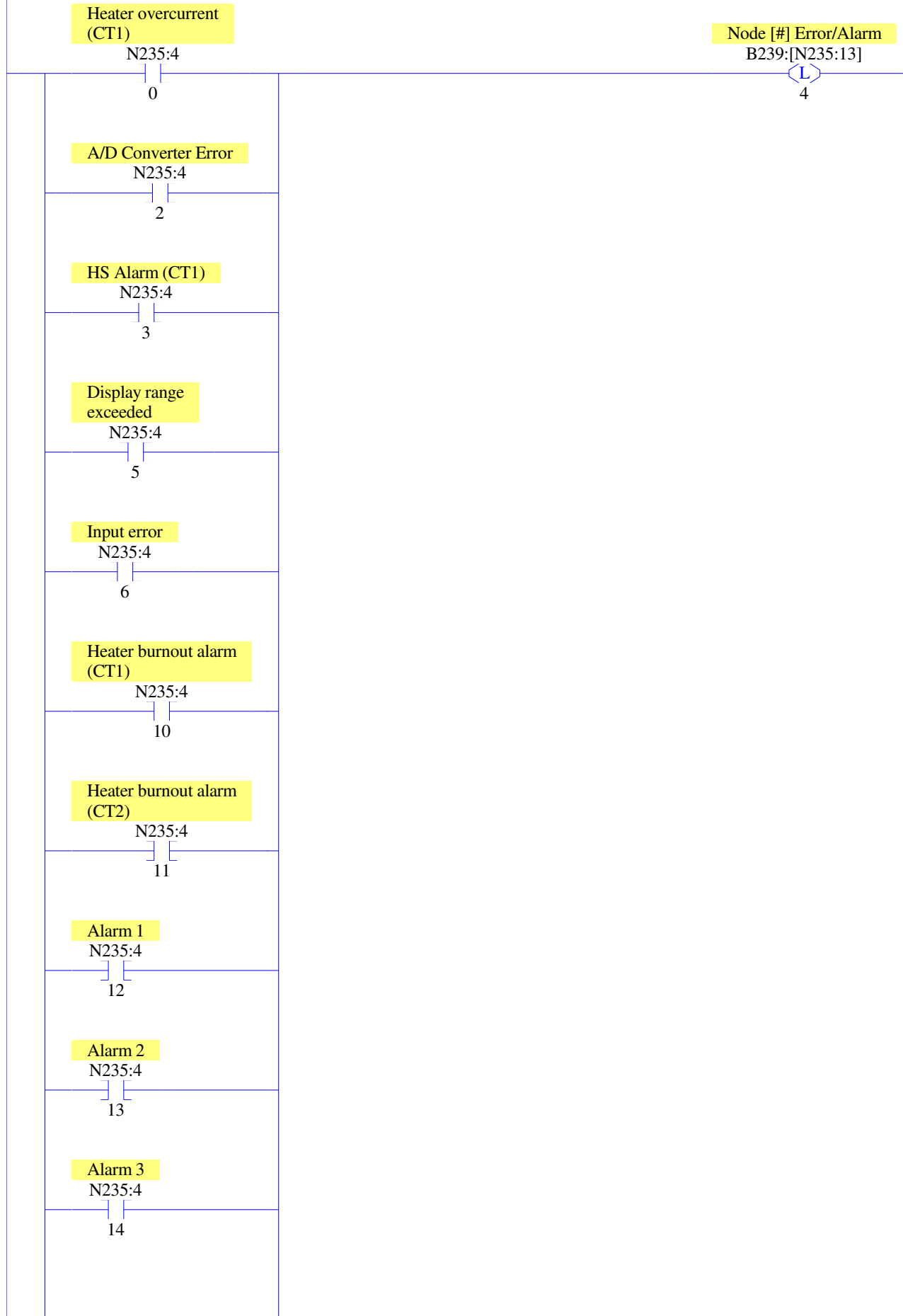
0<

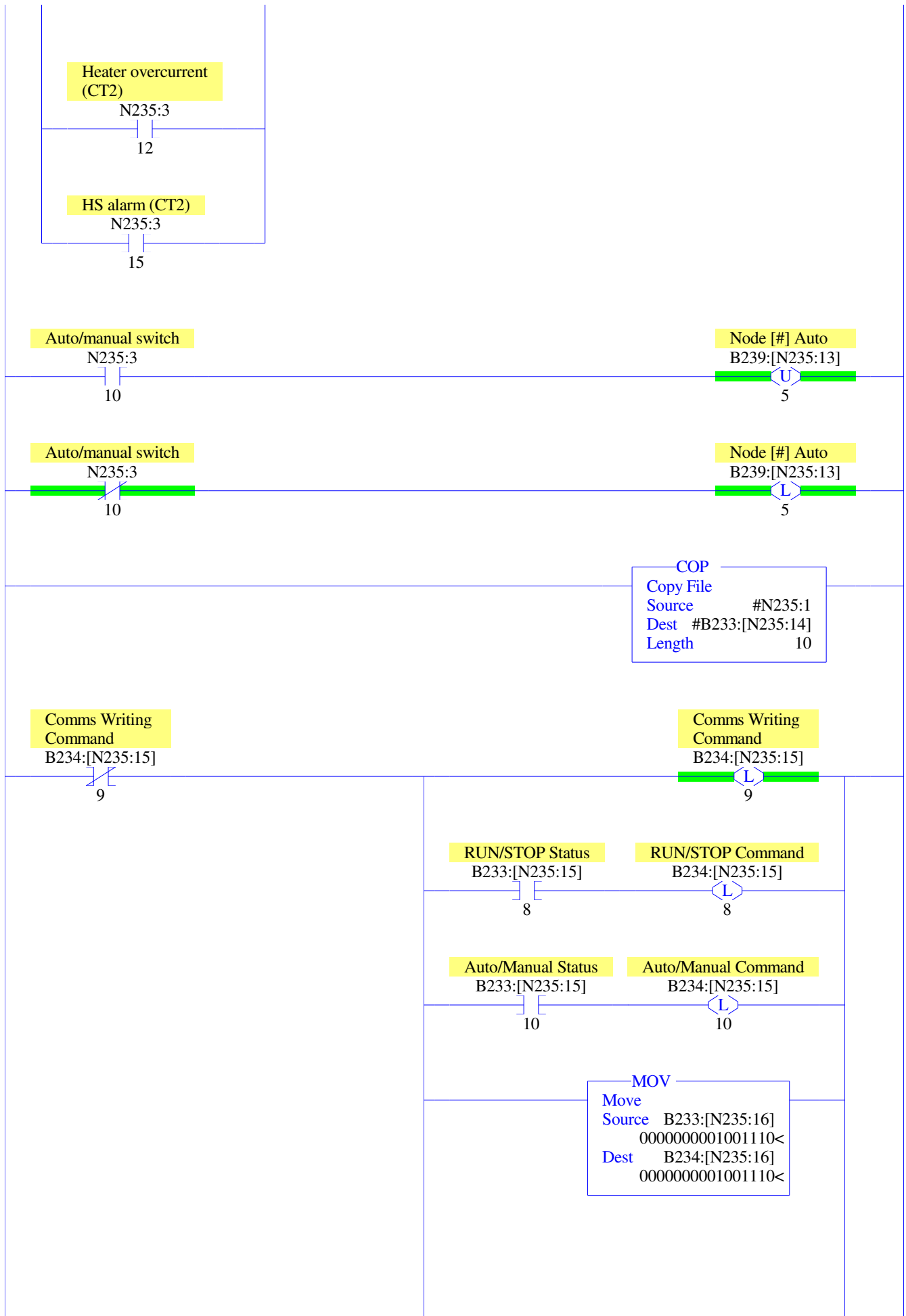
Dest N235:18

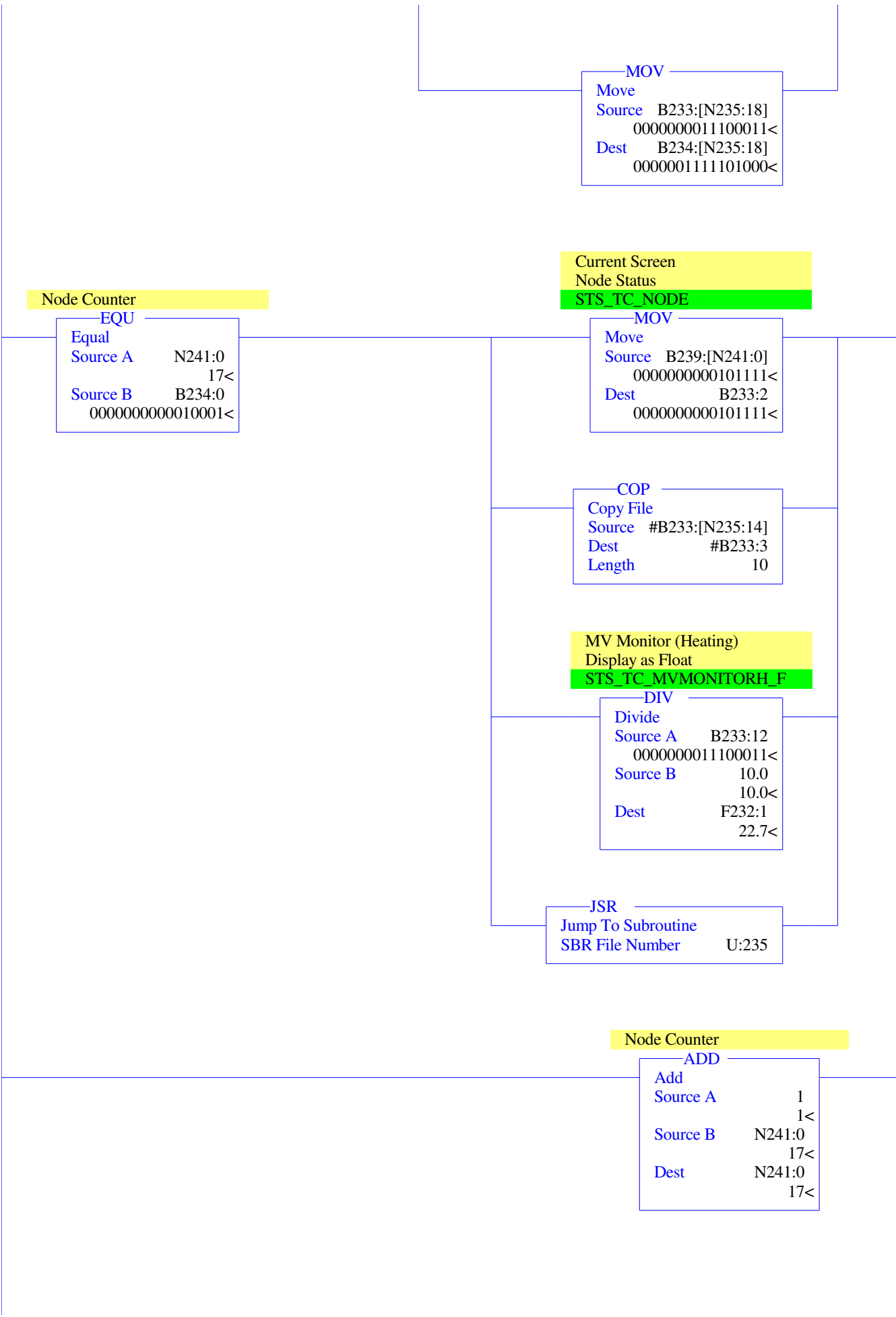
59<

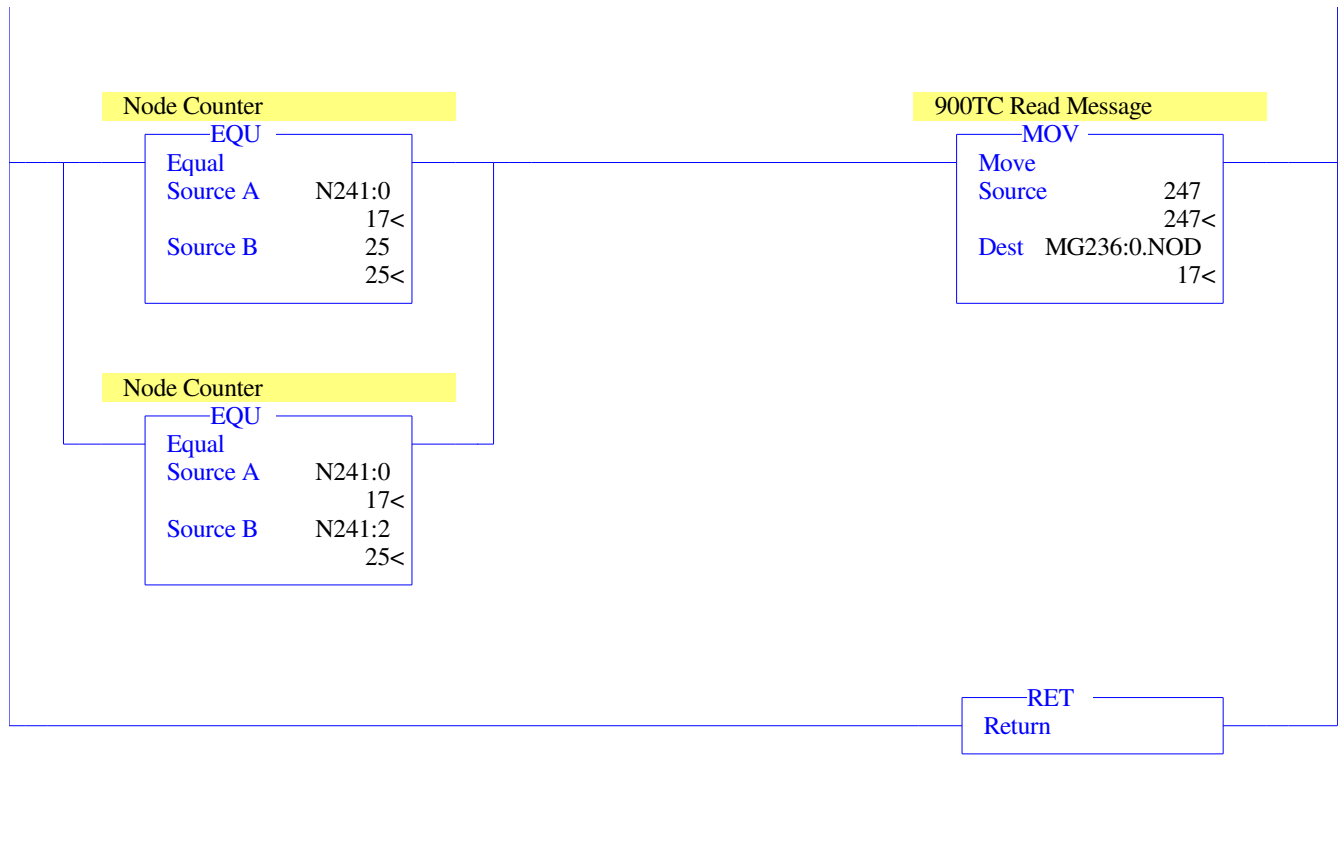
If the read 900-TC status message completes successfully, then copy the data read to the appropriate offset for this node in the TC status file. A successful read sets the active node bit for this TC in the Node Status file. The ready and running bits are also updated in the Node Status file. If this TC is currently being displayed on the HMI, then update the screen data. Finally, the node counter gets incremented.

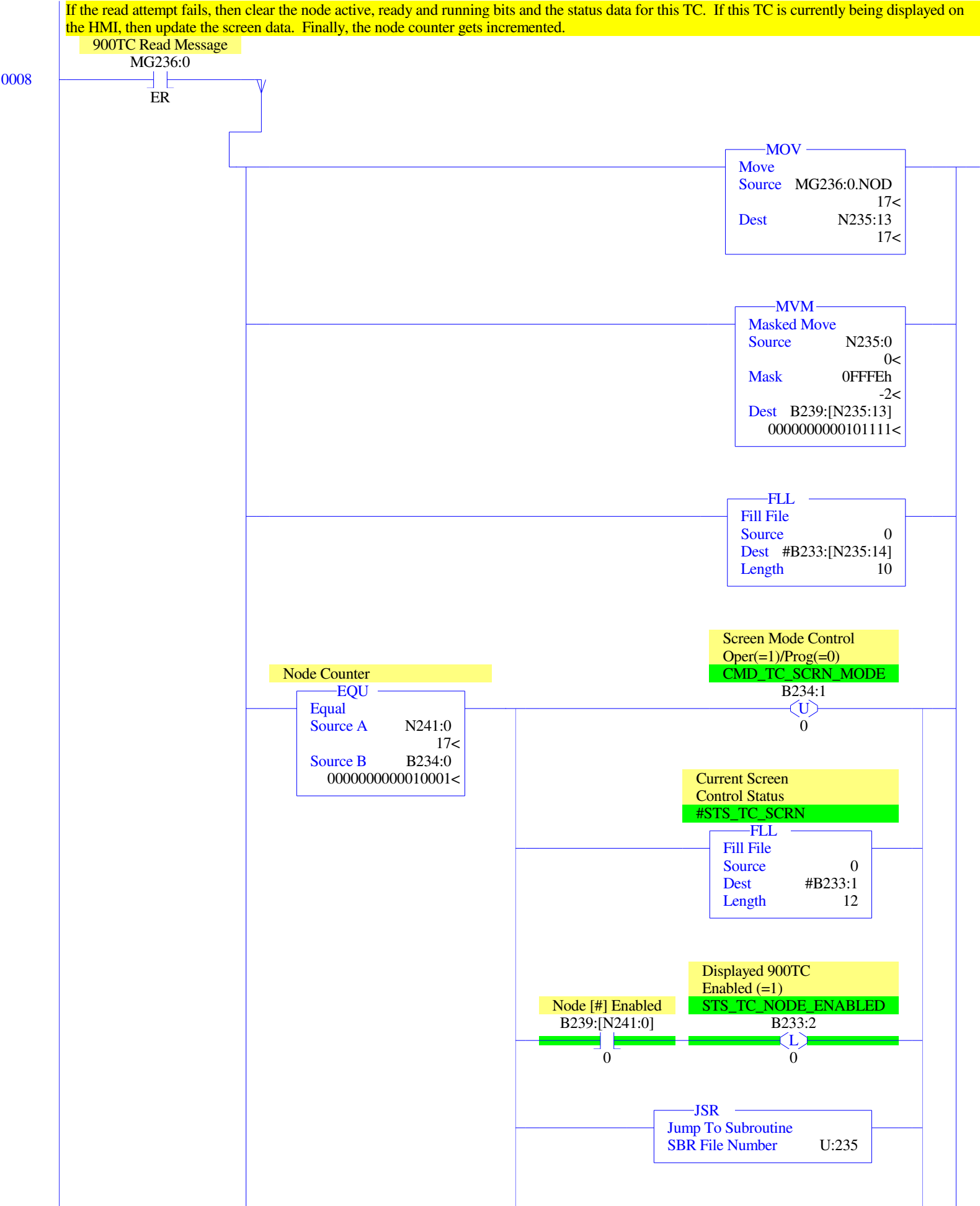












MV Monitor (Heating)
Display as Float
STS_TC_MVMONITORH_F

CLR
Clear
Dest F232:1
22.7<

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 25
25<

900TC Read Message

MOV
Move
Source 247
247<
Dest MG236:0.NOD
17<

Node Counter

EQU
Equal
Source A N241:0
17<
Source B N241:2
25<

END

Modbus Network Scan Control

Enter in the minimum Modbus node number into N241:0 (normally 1 for drives and 17 for TCs).

Enter in 1 + (maximum Modbus node number) into N241:2 (less than or equal to 25).

The Comms Scan Cycle Timer records how long, in milliseconds, it takes to read all of the enabled nodes. This time includes any writes that may have occurred within the scan due to changes in the write data.

When the node counter reaches 1 + maximum, the node counter is reset to minimum (normally 1 for drives and 17 for TCs) and the last scan cycle time is saved and compared against the maximum scan cycle time. If the last scan cycle time is longer than the current maximum scan cycle time, then it becomes the new maximum scan cycle time.

Use the Comms Scan Cycle Timer to determine the maximum response time to changes.

The other routines, such as Drive Control, are responsible for allocating a subset of this range of node numbers. The Drive Control routines may allocate node numbers from 1-16. The Temperature Control routine may allocate node numbers 17-24.

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

0000

Minimum Node#

LEQ

Less Than or Eql (A<=B)

Source A N241:1

17<

Source B

0

0<

RET

Return

Minimum Node#

GEQ

Grtr Than or Eql (A>=B)

Source A N241:1

17<

Source B

N241:2

25<

Maximum Node# +1

GRT

Greater Than (A>B)

Source A N241:2

25<

Source B

32

32<

**Comms Scan Cycle
Timer**

TON

Timer On Delay

Timer T238:0

Time Base 0.001

Preset 32767<

Accum 22<

EN

DN

Node Counter

GEQ

Grtr Than or Eql (A>=B)

Source A N241:0

17<

Source B

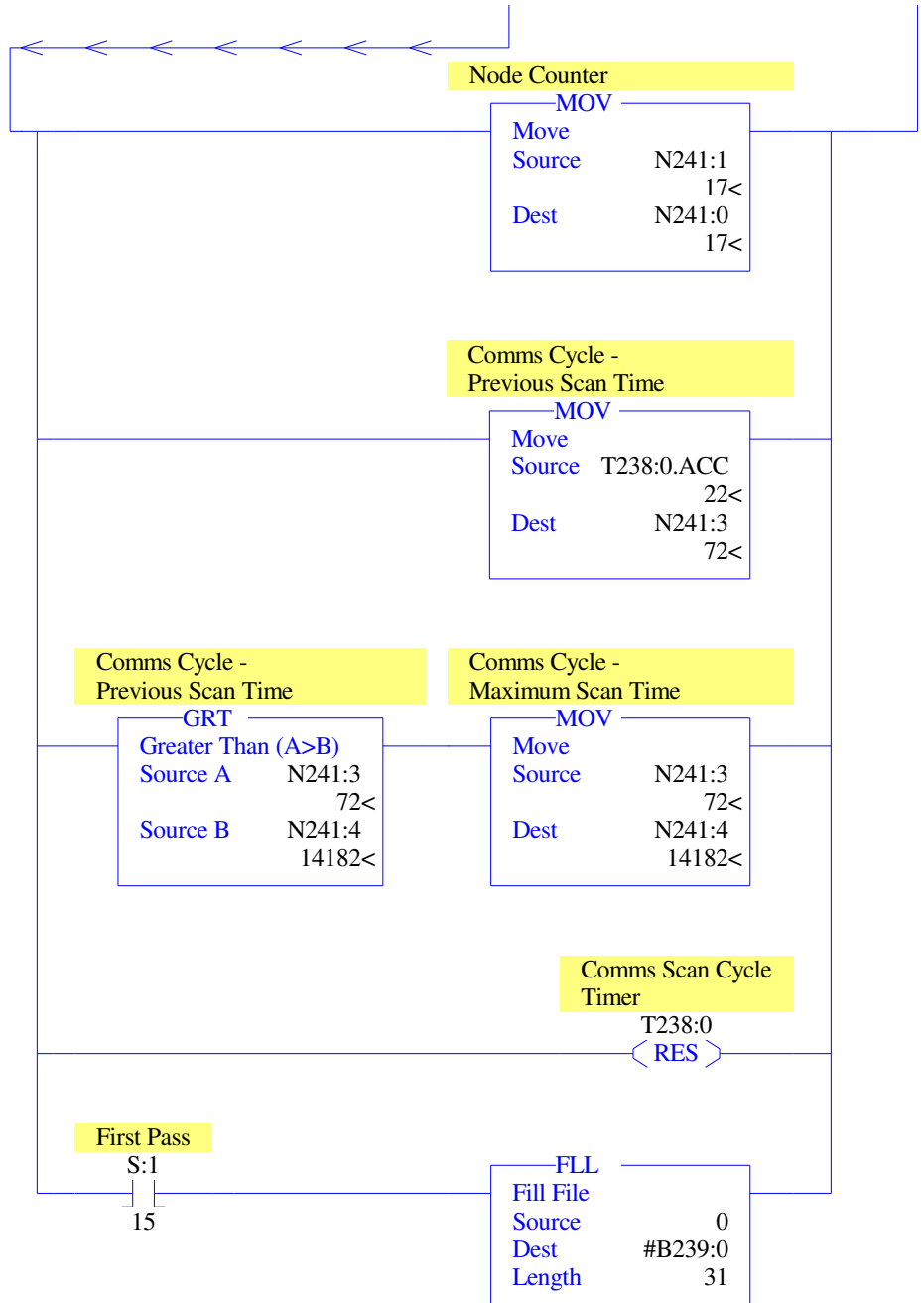
N241:2

25<

First Pass

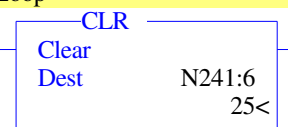
S:1

15

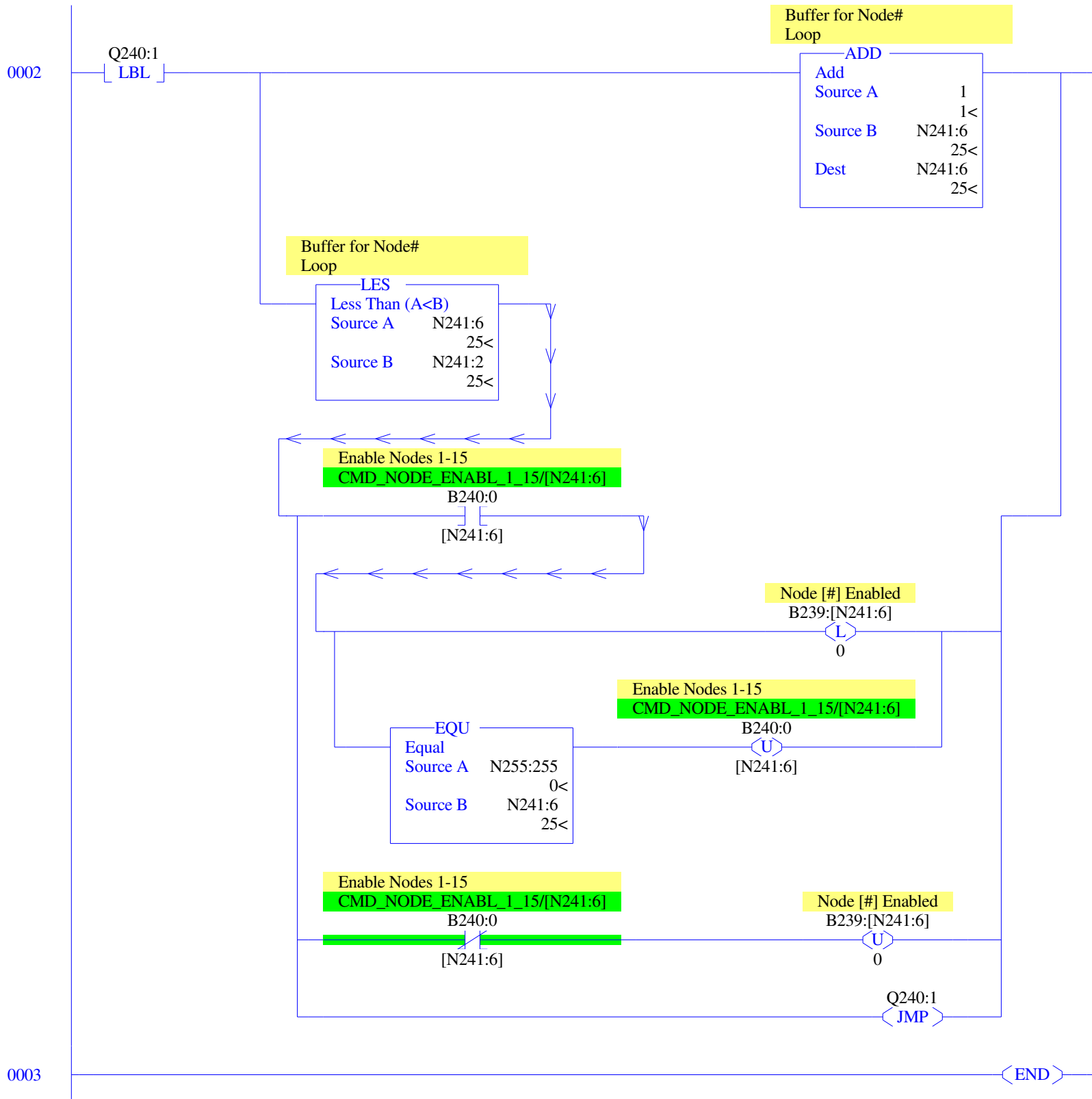


The next two rungs update the Node Enabled Status bits based on the state of the Node Enable Command bits.

Buffer for Node#
Loop



0001



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	0	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	1	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	1	1	0	0	0	Bul.1766	MicroLogix	1400	Series A
I:0.5	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	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 = 0100-0100-0010-1001

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 = 30
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 10
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	0	

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		

Offset	EN	EU	DN	EM	ER	UL	IN	FD	LEN	POS	(Symbol)	Description
R6:0	0	0	0	0	0	0	0	0	0	1549		

Data File N7 (dec) -- INTEGER

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

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0				

Data File T231 -- TC TIMERS

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T231:0	1	1	0	.01 sec	10	0		

Data File F232 -- TC FLOATS

Offset	0	1	2	3	4
F232:0	100	22.7			

Data File B233 (bin) -- TC STATUS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B233:0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	(STS_TC_SCREEN_NUMBER) Drive Number Data to Di
B233:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	(STS_TC_SCRN) Current Screen Control Status
B233:2	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	(STS_TC_NODE) Current Screen Node Status
B233:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:4	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	(STS_TC_PROCVALUE) Process value
B233:5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	(STS_TC_STS) Status Words
B233:6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
B233:7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:8	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	(STS_TC_SETPOINT) Internal set point
B233:9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:12	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	(STS_TC_MVMONITORH) MV Monitor (Heating)
B233:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:51	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	(17_STS_TC_PROCVALUE) Process value
B233:52	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(17_STS_TC_STS) Status Words
B233:53	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
B233:54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:55	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	(17_STS_TC_SETPOINT) Internal set point
B233:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:59	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	(17_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_STS_TC_PROCVALUE) Process value
B233:62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_STS_TC_STS) Status Words
B233:63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_STS_TC_SETPOINT) Internal set point
B233:66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B233:67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_STS_TC_PROCVALUE) Process value
B233:72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_STS_TC_STS) Status Words
B233:73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_STS_TC_SETPOINT) Internal set point
B233:76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_STS_TC_PROCVALUE) Process value
B233:82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_STS_TC_STS) Status Words
B233:83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_STS_TC_SETPOINT) Internal set point
B233:86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_STS_TC_PROCVALUE) Process value
B233:92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_STS_TC_STS) Status Words
B233:93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_STS_TC_SETPOINT) Internal set point
B233:96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_STS_TC_PROCVALUE) Process value
B233:102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_STS_TC_STS) Status Words
B233:103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_STS_TC_SETPOINT) Internal set point
B233:106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_STS_TC_PROCVALUE) Process value
B233:112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_STS_TC_STS) Status Words
B233:113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_STS_TC_SETPOINT) Internal set point
B233:116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(24_STS_TC_PROCVALUE) Process value
B233:122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(24_STS_TC_STS) Status Words
B233:123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(24_STS_TC_SETPOINT) Internal set point
B233:126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(24_STS_TC_MVMONITORH) MV Monitor (Heating)
B233:130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File B233 (bin) -- TC STATUS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B233:134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B233:201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B233:255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B234:0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	(CMD_TC_SCREEN_NUMBER) 900TC Number Data to Di
B234:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CMD_TC_SCRN) Current Screen Control
B234:2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(CMD_TC_OPER_CMD) TC Operation Command Word
B234:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:5	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	(CMD_TC_OPER_SETPT) Set Point Command
B234:6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:9	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	(CMD_TC_OPER_MANMV) Manual MV Command
B234:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:52	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(17_CMD_TC_PR_CMD) TC Operation Command Word
B234:53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:55	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	(17_CMD_TC_PR_SETPT) Set Point Command
B234:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:59	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	(17_CMD_TC_PR_MANMV) Manual MV Command
B234:60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:62	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(18_CMD_TC_PR_CMD) TC Operation Command Word
B234:63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_CMD_TC_PR_SETPT) Set Point Command
B234:66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B234:67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18_CMD_TC_PR_MANMV) Manual MV Command
B234:70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:72	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(19_CMD_TC_PR_CMD) TC Operation Command Word
B234:73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_CMD_TC_PR_SETPT) Set Point Command
B234:76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(19_CMD_TC_PR_MANMV) Manual MV Command
B234:80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:82	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(20_CMD_TC_PR_CMD) TC Operation Command Word
B234:83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_CMD_TC_PR_SETPT) Set Point Command
B234:86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20_CMD_TC_PR_MANMV) Manual MV Command
B234:90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:92	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(21_CMD_TC_PR_CMD) TC Operation Command Word
B234:93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_CMD_TC_PR_SETPT) Set Point Command
B234:96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(21_CMD_TC_PR_MANMV) Manual MV Command
B234:100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:102	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(22_CMD_TC_PR_CMD) TC Operation Command Word
B234:103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_CMD_TC_PR_SETPT) Set Point Command
B234:106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22_CMD_TC_PR_MANMV) Manual MV Command
B234:110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:112	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(23_CMD_TC_PR_CMD) TC Operation Command Word
B234:113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_CMD_TC_PR_SETPT) Set Point Command
B234:116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(23_CMD_TC_PR_MANMV) Manual MV Command
B234:120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:122	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	(24_CMD_TC_PR_CMD) TC Operation Command Word
B234:123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:125	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	(24_CMD_TC_PR_SETPT) Set Point Command
B234:126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:129	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	(24_CMD_TC_PR_MANMV) Manual MV Command
B234:130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File B234 (bin) -- TC CMMNDS

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B234:134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol) Description
B234:201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:252	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B234:255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Data File N235 (dec) -- TC MISC

Offset	0	1	2	3	4	5	6	7	8	9
N235:0	0	0	78	512	256	0	78	0	0	0
N235:10	229	0	0	17	50	52	55	0	59	53
N235:20	78	54	55	1000	0	50				

Data File MG236 -- TC MSGS

Offset	IA	RBL	LBN	RBN	CHN	NOD	MTO	NB	TFT	TFN	ELE	SEL	BK	TO	CO	E
MG236:0	0	0	0	0	0	17	0	10	0	0	0	0	0	0	0	0
MG236:1	0	0	0	0	0	17	1	1	0	0	0	0	0	0	0	0
MG236:2	0	0	0	0	0	17	1	1	0	8451	0	0	0	0	0	0
MG236:3	0	0	0	0	0	17	1	1	0	9728	0	0	0	0	0	0

Data File T238 -- NODE TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T238:0	1	1	0	.001 sec	32767	22	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	1	0	1	1	1	(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	1	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	0	0	0	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	17	25	72	14182	0	25			

Data File N255 (dec)

Offset	0	1	2	3	4	5	6	7	8	9
N255:0	0	0	0	0	0	0	0	0	0	0
N255:10	0	0	0	0	0	0	0	0	0	0
N255:20	0	0	0	0	0	0	0	0	0	0
N255:30	0	0	0	0	0	0	0	0	0	0
N255:40	0	0	0	0	0	0	0	0	0	0
N255:50	0	0	0	0	0	0	0	0	0	0
N255:60	0	0	0	0	0	0	0	0	0	0
N255:70	0	0	0	0	0	0	0	0	0	0
N255:80	0	0	0	0	0	0	0	0	0	0
N255:90	0	0	0	0	0	0	0	0	0	0
N255:100	0	0	0	0	0	0	0	0	0	0
N255:110	0	0	0	0	0	0	0	0	0	0
N255:120	0	0	0	0	0	0	0	0	0	0
N255:130	0	0	0	0	0	0	0	0	0	0
N255:140	0	0	0	0	0	0	0	0	0	0
N255:150	0	0	0	0	0	0	0	0	0	0
N255:160	0	0	0	0	0	0	0	0	0	0
N255:170	0	0	0	0	0	0	0	0	0	0
N255:180	0	0	0	0	0	0	0	0	0	0
N255:190	0	0	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	Sym Group	Dev
B3:0/1			Machine Running Bit		
B3:0/8			Machine Stopping Bit		
B233:0	STS_TC_SCREEN_NUMBER	Global	Drive Number Data to Display		
B233:1	STS_TC_SCRN	Global	Current Screen Control Status		
B233:1/0	STS_TC_SCRN_OPER	Global	Screen Mode Operator Oper(=1)/Prog(=0)		
B233:1/1	STS_TC_SCRN_PROG	Global	Screen Mode Program Oper(=0)/Prog(=1)		
B233:1/2	STS_TC_SCRN_OPER_MAN	Global	Screen Mode Operator AND Manual = 1		
B233:1/3	STS_TC_SCRN_OPER_AUT	Global	Screen Mode Operator AND Auto = 1		
B233:2	STS_TC_NODE	Global	Current Screen Node Status		
B233:2/0	STS_TC_NODE_ENABLED	Global	Displayed 900TC Enabled (=1)		
B233:2/1	STS_TC_NODE_RSPNDING	Global	Displayed 900TC Responding (=1)		
B233:2/2	STS_TC_NODE_READY	Global	Displayed 900TC Ready (=1)		
B233:2/3	STS_TC_NODE_RUNNING	Global	Displayed 900TC Running (=1)		
B233:2/4	STS_TC_NODE_FAULTED	Global	Displayed 900TC Error/Alarm (=1)		
B233:2/5	STS_TC_NODE_MODE	Global	Displayed 900TC Auto (=1)		
B233:4	STS_TC_PROCVALUE	Global	Process value		
B233:5	STS_TC_STS	Global	Status Words		
B233:5/6	STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:5/8	STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:5/9	STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:5/10	STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:5/12	STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:5/13	STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:6/0	STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:6/2	STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:6/3	STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:6/5	STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:6/6	STS_TC_STS_INPERR	Global	Input error (=1)		
B233:6/8	STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:6/9	STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:6/10	STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:6/11	STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:6/12	STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:6/13	STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:6/14	STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:8	STS_TC_SETPOINT	Global	Internal set point		
B233:12	STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:51	17_STS_TC_PROCVALUE	Global	Process value		
B233:52	17_STS_TC_STS	Global	Status Words		
B233:52/6	17_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:52/8	17_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:52/9	17_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:52/10	17_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:52/12	17_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:52/13	17_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:53/0	17_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:53/2	17_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:53/3	17_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:53/5	17_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:53/6	17_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:53/8	17_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:53/9	17_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:53/10	17_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:53/11	17_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:53/12	17_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:53/13	17_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:53/14	17_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:55	17_STS_TC_SETPOINT	Global	Internal set point		
B233:59	17_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:61	18_STS_TC_PROCVALUE	Global	Process value		
B233:62	18_STS_TC_STS	Global	Status Words		
B233:62/6	18_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:62/8	18_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:62/9	18_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:62/10	18_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:62/12	18_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:62/13	18_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:63/0	18_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:63/2	18_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:63/3	18_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:63/5	18_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:63/6	18_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:63/8	18_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:63/9	18_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:63/10	18_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:63/11	18_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:63/12	18_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:63/13	18_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:63/14	18_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:65	18_STS_TC_SETPOINT	Global	Internal set point		
B233:69	18_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:71	19_STS_TC_PROCVALUE	Global	Process value		
B233:72	19_STS_TC_STS	Global	Status Words		
B233:72/6	19_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
B233:72/8	19_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:72/9	19_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:72/10	19_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:72/12	19_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:72/13	19_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:73/0	19_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:73/2	19_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:73/3	19_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:73/5	19_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:73/6	19_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:73/8	19_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:73/9	19_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:73/10	19_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:73/11	19_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:73/12	19_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:73/13	19_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:73/14	19_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:75	19_STS_TC_SETPOINT	Global	Internal set point		
B233:79	19_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:81	20_STS_TC_PROCVALUE	Global	Process value		
B233:82	20_STS_TC_STS	Global	Status Words		
B233:82/6	20_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:82/8	20_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:82/9	20_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:82/10	20_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:82/12	20_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:82/13	20_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:83/0	20_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:83/2	20_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:83/3	20_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:83/5	20_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:83/6	20_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:83/8	20_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:83/9	20_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:83/10	20_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:83/11	20_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:83/12	20_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:83/13	20_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:83/14	20_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:85	20_STS_TC_SETPOINT	Global	Internal set point		
B233:89	20_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:91	21_STS_TC_PROCVALUE	Global	Process value		
B233:92	21_STS_TC_STS	Global	Status Words		
B233:92/6	21_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:92/8	21_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:92/9	21_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:92/10	21_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:92/12	21_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:92/13	21_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:93/0	21_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:93/2	21_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:93/3	21_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:93/5	21_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:93/6	21_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:93/8	21_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:93/9	21_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:93/10	21_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:93/11	21_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:93/12	21_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:93/13	21_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:93/14	21_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:95	21_STS_TC_SETPOINT	Global	Internal set point		
B233:99	21_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:101	22_STS_TC_PROCVALUE	Global	Process value		
B233:102	22_STS_TC_STS	Global	Status Words		
B233:102/6	22_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:102/8	22_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:102/9	22_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:102/10	22_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:102/12	22_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:102/13	22_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:103/0	22_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:103/2	22_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:103/3	22_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:103/5	22_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:103/6	22_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:103/8	22_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:103/9	22_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:103/10	22_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:103/11	22_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:103/12	22_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:103/13	22_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:103/14	22_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:105	22_STS_TC_SETPOINT	Global	Internal set point		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
B233:109	22_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:111	23_STS_TC_PROCVALUE	Global	Process value		
B233:112	23_STS_TC_STS	Global	Status Words		
B233:112/6	23_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:112/8	23_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:112/9	23_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:112/10	23_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:112/12	23_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:112/13	23_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:113/0	23_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:113/2	23_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:113/3	23_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:113/5	23_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:113/6	23_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:113/8	23_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:113/9	23_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:113/10	23_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:113/11	23_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:113/12	23_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:113/13	23_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:113/14	23_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:115	23_STS_TC_SETPOINT	Global	Internal set point		
B233:119	23_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:121	24_STS_TC_PROCVALUE	Global	Process value		
B233:122	24_STS_TC_STS	Global	Status Words		
B233:122/6	24_STS_TC_STS_SETUPA	Global	Setup area (0=0,1=1)		
B233:122/8	24_STS_TC_STS_RUNSTP	Global	RUN/STOP (0=RUN,1=STOP)		
B233:122/9	24_STS_TC_STS_CMW	Global	Communications writing (1=allowed)		
B233:122/10	24_STS_TC_STS_AUTMAN	Global	Auto/Manual mode (0=Auto,1=Man)		
B233:122/12	24_STS_TC_STS_HOCCT2	Global	Heater overcurrent CT2 (=1)		
B233:122/13	24_STS_TC_STS_HHSCT2	Global	Heater short alarm CT2 (=1)		
B233:123/0	24_STS_TC_STS_HOCCT1	Global	Heater overcurrent CT1 (=1)		
B233:123/2	24_STS_TC_STS_ADCNVR	Global	A/D converter error (=1)		
B233:123/3	24_STS_TC_STS_HHSCT1	Global	Heater short alarm CT1 (=1)		
B233:123/5	24_STS_TC_STS_DSPRNG	Global	Display range exceeded (=1)		
B233:123/6	24_STS_TC_STS_INPERR	Global	Input error (=1)		
B233:123/8	24_STS_TC_STS_CTRL_H	Global	Control output1 heating (=1)		
B233:123/9	24_STS_TC_STS_CTRL_C	Global	Control output2 cooling (=1)		
B233:123/10	24_STS_TC_STS_HBOCT1	Global	Heater burnout alarm CT1 (=1)		
B233:123/11	24_STS_TC_STS_HBOCT2	Global	Heater burnout alarm CT2 (=1)		
B233:123/12	24_STS_TC_STS_ALARM1	Global	Alarm 1 (=1)		
B233:123/13	24_STS_TC_STS_ALARM2	Global	Alarm 2 (=1)		
B233:123/14	24_STS_TC_STS_ALARM3	Global	Alarm 3 (=1)		
B233:125	24_STS_TC_SETPOINT	Global	Internal set point		
B233:129	24_STS_TC_MVMONITORH	Global	MV Monitor (Heating)		
B233:[N235:15]/8			RUN/STOP Status		
B233:[N235:15]/9			Comms Writing Status		
B233:[N235:15]/10			Auto/Manual Status		
B234:0	CMD_TC_SCREEN_NUMBER	Global	900TC Number Data to Display		
B234:1	CMD_TC_SCRN	Global	Current Screen Control		
B234:1/0	CMD_TC_SCRN_MODE	Global	Screen Mode Control Oper(=1)/Prog(=0)		
B234:2	CMD_TC_OPER_CMD	Global	TC Operation Command Word		
B234:2/8	CMD_TC_OPER_CMD_R_S	Global	RUN/STOP Command		
B234:2/9	CMD_TC_OPER_CMD_CMW	Global	Communications Writing Command		
B234:2/10	CMD_TC_OPER_CMD_A_M	Global	Auto/Manual Command		
B234:5	CMD_TC_OPER_SETPT	Global	Set Point Command		
B234:9	CMD_TC_OPER_MANMV	Global	Manual MV Command		
B234:52	17_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:52/8	17_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:52/9	17_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:52/10	17_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:55	17_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:59	17_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:62	18_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:62/8	18_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:62/9	18_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:62/10	18_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:65	18_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:69	18_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:72	19_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:72/8	19_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:72/9	19_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:72/10	19_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:75	19_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:79	19_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:82	20_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:82/8	20_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:82/9	20_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:82/10	20_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:85	20_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:89	20_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:92	21_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:92/8	21_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:92/9	21_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
B234:92/10	21_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:95	21_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:99	21_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:102	22_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:102/8	22_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:102/9	22_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:102/10	22_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:105	22_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:109	22_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:112	23_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:112/8	23_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:112/9	23_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:112/10	23_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:115	23_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:119	23_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:122	24_CMD_TC_PR_CMD	Global	TC Operation Command Word		
B234:122/8	24_CMD_TC_PR_CMD_R_S	Global	RUN/STOP Command		
B234:122/9	24_CMD_TC_PR_CMD_CMW	Global	Communications Writing Command		
B234:122/10	24_CMD_TC_PR_CMD_A_M	Global	Auto/Manual Command		
B234:125	24_CMD_TC_PR_SETPT	Global	Set Point Command		
B234:129	24_CMD_TC_PR_MANMV	Global	Manual MV Command		
B234:[N235:15]/8			RUN/STOP Command		
B234:[N235:15]/9			Comms Writing Command		
B234:[N235:15]/10			Auto/Manual Command		
B234:[N235:15]/14			Unlatch All Alarms Command		
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)		
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)		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
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=Manual,1=Auto)		
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)		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
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)		
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:[MG236:0.NOD]/1			Node [#] Responding		
B239:[MG236:0.NOD]/2			Node [#] Ready		
B239:[MG236:0.NOD]/3			Node [#] Running		
B239:[MG236:0.NOD]/4			Node [#] Faulted		
B239:[MG236:0.NOD]/5			Node [#] Mode		
B239:[N235:13]/1			Node [#] Responding		
B239:[N235:13]/2			Node [#] Ready		
B239:[N235:13]/3			Node [#] Running		
B239:[N235:13]/4			Node [#] Error/Alarm		
B239:[N235:13]/5			Node [#] Auto		
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 [#] Error/Alarm		
B239:[N241:0]/5			Node [#] Mode		
B239:[N241:6]/0			Node [#] Enabled		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
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		
F232:0	CMD_TC_OPER_MANMV_F	Global	MV Monitor (Heating) Display as Float		
F232:1	STS_TC_MVMONITORH_F	Global	MV Monitor (Heating) Display as Float		
I:0/1					
I:0/2					
I:0/4			Reset Machine		
I:0/5					
I:0/6					
I:0/7					
I:0/8					
I:0/9					
I:0/13			Enable User Machine Control Program		
I:0/14			Start Machine		
I:0/15			Stop Machine		
MG236:0			900TC Read Message		
MG236:1			900-TC Operation Command Write Message		
MG236:2			900-TC Set Point Command Write Message		
MG236:3			900-TC Manipulated Variable Command Write Message		
MG254:0.NOD			MSG Target Node#		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
N235:0			Always Zero		
N235:1					
N235:2			Process Value		
N235:3			Status (upper word)		
N235:3/0			Event input 1		
N235:3/1			Event input 2		
N235:3/2			Event input 3		
N235:3/3			Event input 4		
N235:3/4			Write mode		
N235:3/5			EEPROM		
N235:3/6			Setup area		
N235:3/7			AT execute/cancel		
N235:3/8			RUN/STOP		
N235:3/9			Communications writing		
N235:3/10			Auto/manual switch		
N235:3/11			Program start		
N235:3/12			Heater overcurrent (CT2)		
N235:3/13			Heater current hold (CT2)		
N235:3/15			HS alarm (CT2)		
N235:4			Status (lower word)		
N235:4/0			Heater overcurrent (CT1)		
N235:4/1			Heater current hold (CT1)		
N235:4/2			A/D Converter Error		
N235:4/3			HS Alarm (CT1)		
N235:4/5			Display range exceeded		
N235:4/6			Input error		
N235:4/8			Control output (heating)		
N235:4/9			Control output (cooling)		
N235:4/10			Heater burnout alarm (CT1)		
N235:4/11			Heater burnout alarm (CT2)		
N235:4/12			Alarm 1		
N235:4/13			Alarm 2		
N235:4/14			Alarm 3		
N235:4/15			Program end output		
N235:6			Internal Setpoint		
N235:8			Heater Current 1		
N235:10			MV Monitor (Heating)		
N235:11			Subtract 17		
N235:12			Multiply by 10		
N235:14			Add 50		
N235:15			Add 52		
N235:16			Add 55		
N235:17			900-TC Operation Command Word		
N235:18			Add 59		
N235:20			Set Point Word		
N235:23			Manipulated Variable Word		
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			Minimum Drive Node# -1		
N241:6			Buffer for Node# Loop		
N255:0			Backup Node Address		
O:0/0	OUTPUT_0	Global			
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		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
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		
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,F1		
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		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev
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		
T238:0			Comms Scan Cycle Timer		
T238:0/EN					
U:100			User Machine Control Program		
U:236			900TC Temperature Controller Control Routine		
U:240			Modbus Device Communication Scan Routine		

Instruction Comment Database

Address	Instruction	Description
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Symbol Group Database

Group_Name	Description
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