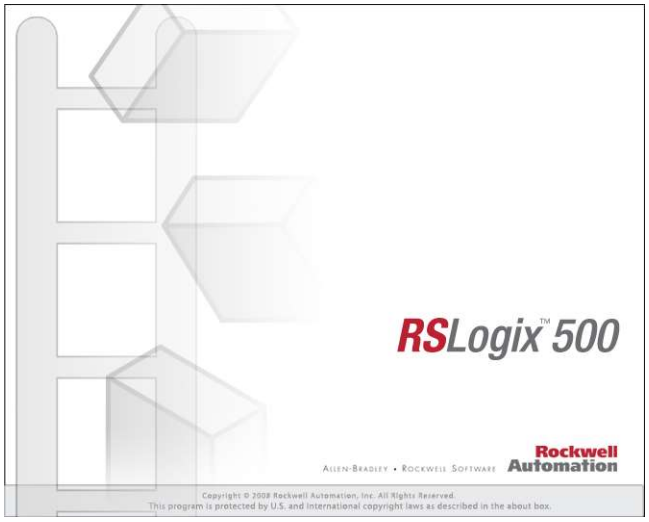
# RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 351 Instruction Words Used - 96 Data Table Words Used

Total Memory Left: 6305 Instruction Words Left

Program Files: 4

Data Files: 10

Program ID: 8133

I/O Configuration

| | | |
|---|---|---|
| 0 | Bul.1763 | MicroLogix 1100 Series B |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout:  60
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID:  1
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected:  No
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection:  Yes
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection:  Yes
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character:  \d
   CHANNEL 0 (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


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:  Yes
   CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection:  Yes

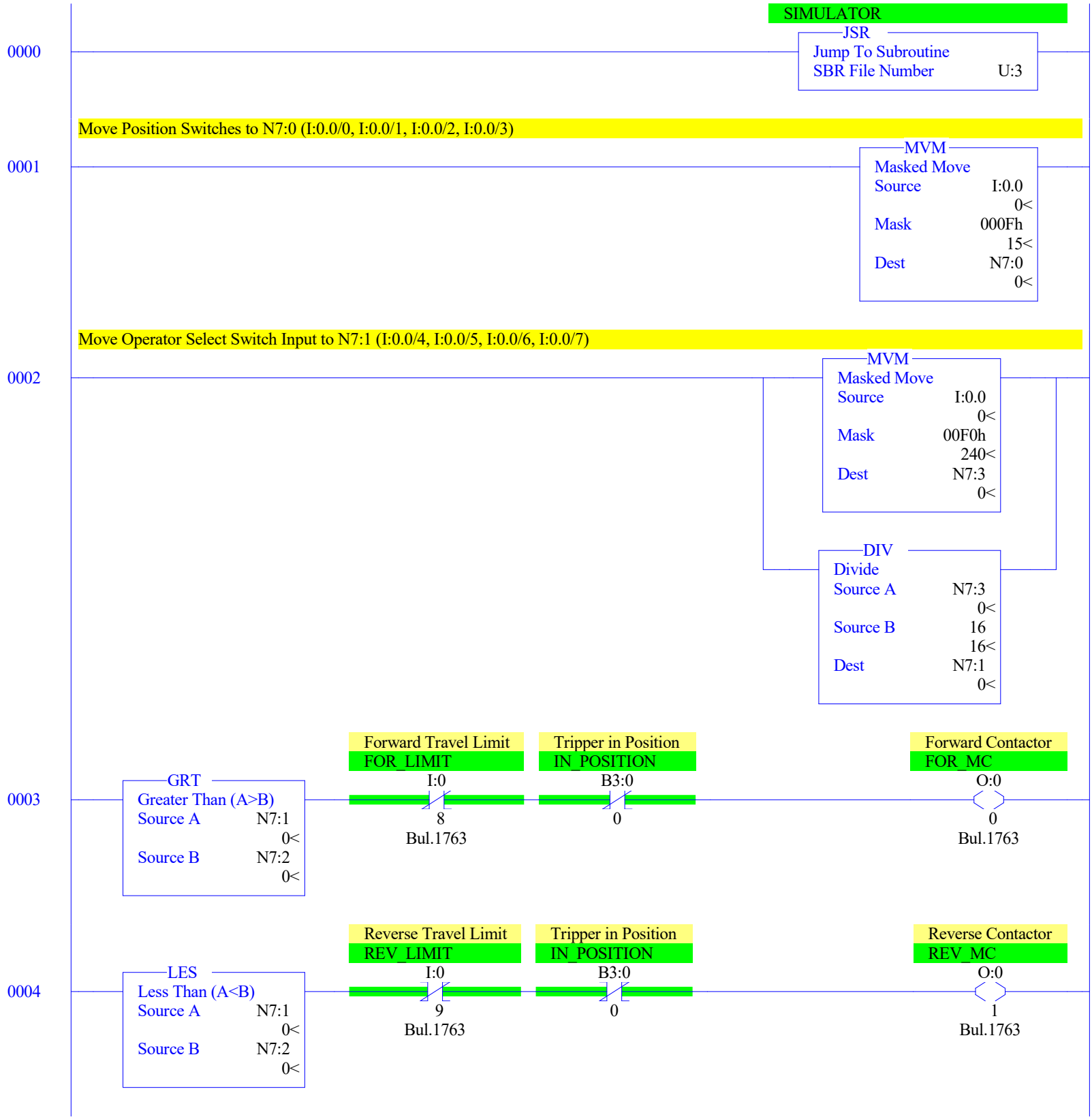
   Hardware Address:  00:00:00:00:00:00
   IP Address:  0.0.0.0
   Subnet Mask:  0.0.0.0
   Gateway Address:  0.0.0.0
   Msg Connection Timeout (x 1mS):  15000
   Msg Reply Timeout (x mS):  3000
   Inactivity Timeout (x Min):  30
   Bootp Enable:  No
   Dhcp Enable  Yes
   SNMP Enable:  No
   HTTP Enable: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

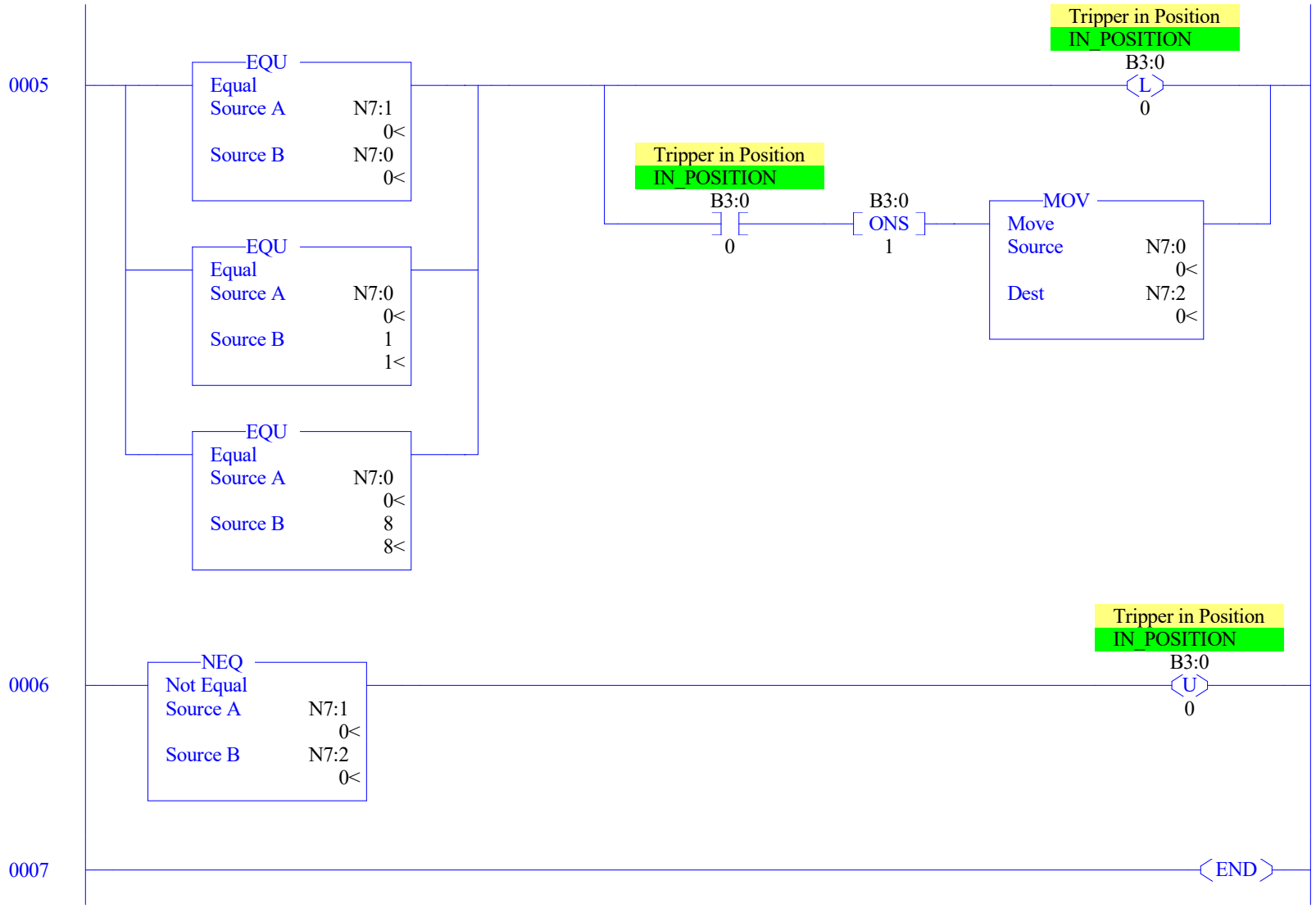
Program File List

| Name | Number | Type | Rungs | Debug | Bytes |
|---|---|---|---|---|---|
| [SYSTEM] | 0 | SYS | 0 | No | 0 |
| | 1 | SYS | 0 | No | 0 |
| | 2 | LADDER | 8 | No | 262 |
| SIMULATOR | 3 | LADDER | 11 | No | 557 |

Data File List

| Name | Number | Type | Scope | Debug | Words | Elements | Last |
|---|---|---|---|---|---|---|---|
| OUTPUT | 0 | O | Global | No | 12 | 4 | O:3 |
| INPUT | 1 | I | Global | No | 18 | 6 | I:5 |
| 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 | 4 | 4 | N7:3 |
| FLOAT | 8 | F | Global | No | 2 | 1 | F8:0 |
| SIMUL_INTS | 100 | N | Global | No | 50 | 50 | N100:49 |


SIMULATOR
0000
JSR
Jump To Subroutine
SBR File Number U:3
Move Position Switches to N7:0 (I:0.0/0, I:0.0/1, I:0.0/2, I:0.0/3)
0001
MVM
Masked Move
Source I:0.0
0<
Mask 000Fh
15<
Dest N7:0
0<
Move Operator Select Switch Input to N7:1 (I:0.0/4, I:0.0/5, I:0.0/6, I:0.0/7)
0002
MVM
Masked Move
Source I:0.0
0<
Mask 00F0h
240<
Dest N7:3
0<
DIV
Divide
Source A N7:3
0<
Source B 16
16<
Dest N7:1
0<
0003
GRT
Greater Than (A>B)
Source A N7:1
0<
Source B N7:2
0<
Forward Travel Limit
FOR_LIMIT
I:0
8
Bul.1763
Tripper in Position
IN_POSITION
B3:0
0
Forward Contactor
FOR_MC
O:0
0
Bul.1763
0004
LES
Less Than (A<B)
Source A N7:1
0<
Source B N7:2
0<
Reverse Travel Limit
REV_LIMIT
I:0
9
Bul.1763
Tripper in Position
IN_POSITION
B3:0
0
Reverse Contactor
REV_MC
O:0
1
Bul.1763


0005
EQU
Equal
Source A N7:1
0<
Source B N7:0
0<
EQU
Equal
Source A N7:0
0<
Source B 1
1<
EQU
Equal
Source A N7:0
0<
Source B 8
8<
Tripper in Position
IN_POSITION
B3:0
L
0
Tripper in Position
IN_POSITION
B3:0
0
B3:0
ONS
1
MOV
Move
Source N7:0
0<
Dest N7:2
0<
0006
NEQ
Not Equal
Source A N7:1
0<
Source B N7:2
0<
Tripper in Position
IN_POSITION
B3:0
U
0
0007
END

Manually set N100:1 to a value from 1 to 4 to simulate selector switch operation

Initialize selector switch and position to station 1

0000

First Pass
S:1
15

SELECT_STATION_1TO4
MOV
Move
Source 1
1<
Dest N100:1
0<

POSITION_7TO33
MUL
Multiply
Source A N100:1
0<
Source B 8
8<
Dest N100:0
0<

T4:0
RES

One-second timer to limit cart movement speed

0001

T4:0
DN

TON
Timer On Delay
Timer T4:0
Time Base 0.01
Preset 100<
Accum 0<
EN
DN

If timer expired and and cart is not at relevant over-travel limit a motor coil is energized, then move cart

0002

T4:0
DN

POSITION_7TO33
LES
Less Than (A<B)
Source A N100:0
0<
Source B 33
33<

Forward Contactor
FOR_MC
O:0
0
Bul.1763

POSITION_7TO33
ADD
Add
Source A N100:0
0<
Source B 1
1<
Dest N100:0
0<

Reverse Contactor
REV_MC
O:0
1
Bul.1763

POSITION_7TO33
GRT
Greater Than (A>B)
Source A N100:0
0<
Source B 7
7<

POSITION_7TO33
SUB
Subtract
Source A N100:0
0<
Source B 1
1<
Dest N100:0
0<

Bracket simulated selector switch (SELECT_STATION_1TO4 = N100:1) value to 1 to 4

N.B. Manually set N100:1 to a value from 1 to 4, inclusive, to simulate an operator changing the selector switch to direct the main program to move the cart.

0003

SELECT_STATION_1TO4

GRT
Greater Than (A>B)
Source A N100:1 0<
Source B 4 4<

SELECT_STATION_1TO4

MOV
Move
Source 4 4<
Dest N100:1 0<

SELECT_STATION_1TO4

LES
Less Than (A<B)
Source A N100:1 0<
Source B 1 1<

SELECT_STATION_1TO4

MOV
Move
Source 1 1<
Dest N100:1 0<

Extract fractional position (lower three bits of POSITION to POSITION_MOD8
Extract Station position (next higher three bits) to POSITION_DIV8

0004

POSITION_MOD8

AND
Bitwise AND
Source A N100:0 0000h<
Source B 7 7<
Dest N100:3 0000h<

POSITION_DIV8

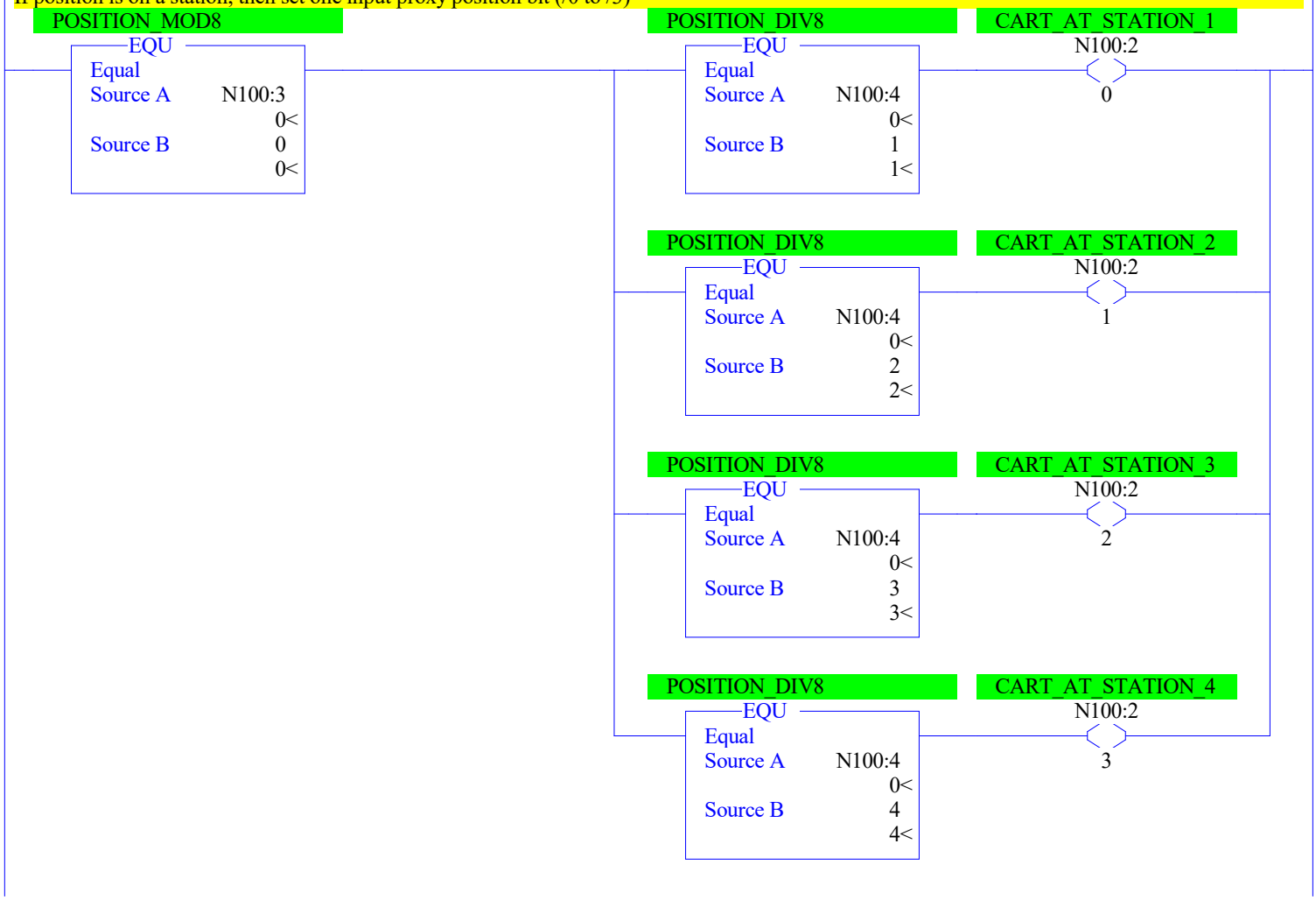
SUB
Subtract
Source A N100:0 0<
Source B N100:3 0<
Dest N100:4 0<

POSITION_DIV8

DIV
Divide
Source A N100:4 0<
Source B 8 8<
Dest N100:4 0<

If position is on a station, then set one input proxy position bit (/0 to /3)

0005



Set one input proxy selector bit

N.B. Manually set N100:1 to a value from 1 to 4, inclusive, to simulate an operator changing the selector switch to direct the main program to move the cart.

0006

SELECT_STATION_1TO4
LEQ
Less Than or Eql (A<=B)
Source A N100:1
0<
Source B 1
1<

SELECTED_STATION_1
N100:2
4

SELECT_STATION_1TO4
EQU
Equal
Source A N100:1
0<
Source B 2
2<

SELECTED_STATION_2
N100:2
5

SELECT_STATION_1TO4
EQU
Equal
Source A N100:1
0<
Source B 3
3<

SELECTED_STATION_3
N100:2
6

SELECT_STATION_1TO4
GEQ
Grtr Than or Eql (A>=B)
Source A N100:1
0<
Source B 4
4<

SELECTED_STATION_4
N100:2
7

Set over-travel bits

0007

POSITION_7TO33
GRT
Greater Than (A>B)
Source A N100:0
0<
Source B 32
32<

TRAVEL_PAST_STATION4
N100:2
8

0008

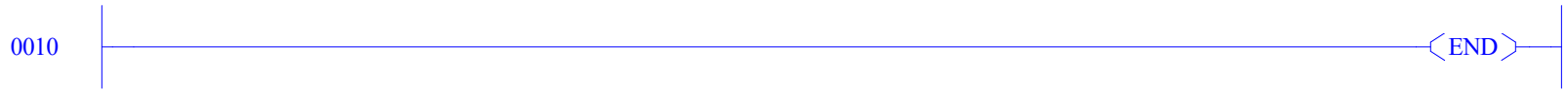
POSITION_7TO33
LES
Less Than (A<B)
Source A N100:0
0<
Source B 8
8<

TRAVEL_PAST_STATION1
N100:2
9

Copy bits to discrete input word, overriding what is already there
N.B. this will not work in CompactLogix and ControlLogix, because inputs are asynchronous

0009

CPW
Copy Word
Source #N100:2
Dest #I:0.0
Length 1


0010
END

Data File O0 (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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| O:0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| O:0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| O:0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |

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.1763 | MicroLogix 1100 Series B |
| I:0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B-Analog |
| I:0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B-Analog |

**Main**

Processor Mode S:1/0 - S:1/4 = Remote Program Mode
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 0000-0000-0000-0000

**Proc**

OS Catalog Number S:57 = 1100 User Program Type S:63 = 8001h
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 = 0
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 0
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 Program Mode
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

**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 | 0 | 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 | 100 | 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 | 0 | 0 | 0 | 0 | | | | | | |

Data File F8 -- FLOAT

| Offset | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| F8:0 | 0 | | | | |

Data File N100 (dec) -- SIMUL_INTS

| Offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| N100:0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N100:10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N100:20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N100:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N100:40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

# Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code |
|---|---|---|---|---|---|
| B3:0/0 | IN_POSITION | Global | Tripper in Position | | |
| I:0/4 | | | | | |
| I:0/8 | FOR_LIMIT | Global | Forward Travel Limit | | |
| I:0/9 | REV_LIMIT | Global | Reverse Travel Limit | | |
| I:0.4 | | | | | |
| N7:0 | | | | | |
| N100:0 | POSITION_7TO33 | Global | | | |
| N100:1 | SELECT_STATION_1TO4 | Global | | | |
| N100:2 | INPUT_PROXY | Global | | | |
| N100:2/0 | CART_AT_STATION_1 | Global | | | |
| N100:2/1 | CART_AT_STATION_2 | Global | | | |
| N100:2/2 | CART_AT_STATION_3 | Global | | | |
| N100:2/3 | CART_AT_STATION_4 | Global | | | |
| N100:2/4 | SELECTED_STATION_1 | Global | | | |
| N100:2/5 | SELECTED_STATION_2 | Global | | | |
| N100:2/6 | SELECTED_STATION_3 | Global | | | |
| N100:2/7 | SELECTED_STATION_4 | Global | | | |
| N100:2/8 | TRAVEL_PAST_STATION4 | Global | | | |
| N100:2/9 | TRAVEL_PAST_STATION1 | Global | | | |
| N100:2/[N100:4] | | | | | |
| N100:3 | POSITION_MOD8 | Global | | | |
| N100:4 | POSITION_DIV8 | Global | | | |
| O:0/0 | FOR_MC | Global | Forward Contactor | | |
| O:0/1 | REV_MC | Global | Reverse Contactor | | |
| 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 | | |

Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code |
|---|---|---|---|---|---|
| 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,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 | | |
| U:3 | SIMULATOR | Global | | | |

Instruction Comment Database

| Address | Instruction | Description |
|---|---|---|

Symbol Group Database

| Group_Name | Description |
|---|---|