

RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 194 Instruction Words Used - 52 Data Table Words Used

Total Memory Left: 6462 Instruction Words Left

Program Files: 6

Data Files: 9

Program ID: 7e29

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

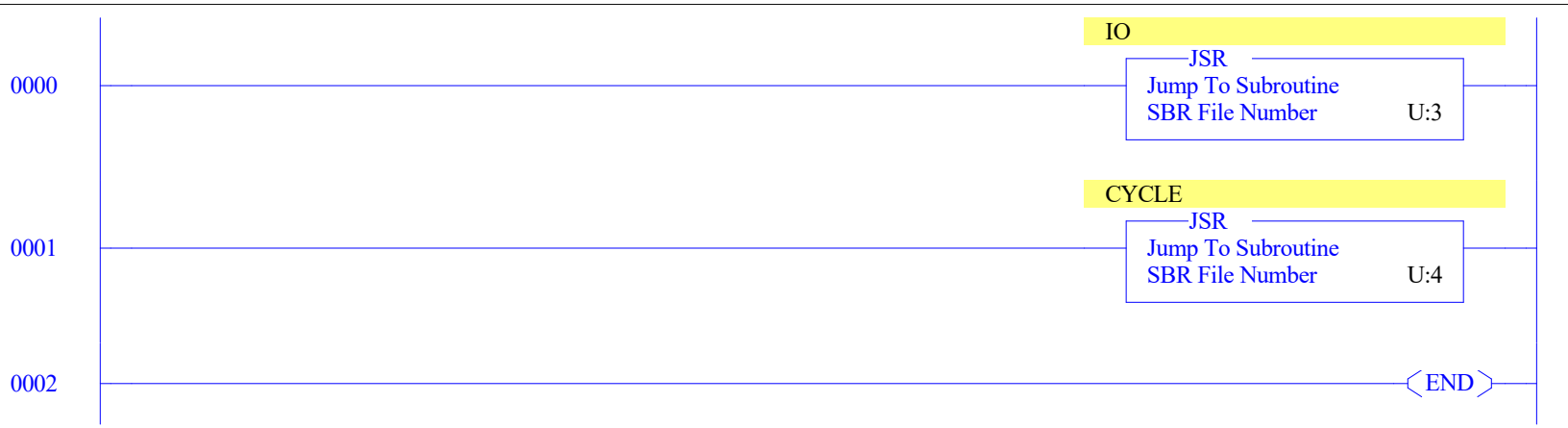
Hardware Address: 00:00:00:00:00:00
IP Address: 0.0.0.0
Subnet Mask: 0.0.0.0
Gateway Address: 0.0.0.0
Msg Connection Timeout (x 1mS): 15000
Msg Reply Timeout (x mS): 3000
Inactivity Timeout (x Min): 30
Bootp Enable: Yes
Dhcp Enable No
SNMP Enable: No
HTTP Enable: Yes
Auto Negotiate Enable: Yes
Port Speed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

Program File List

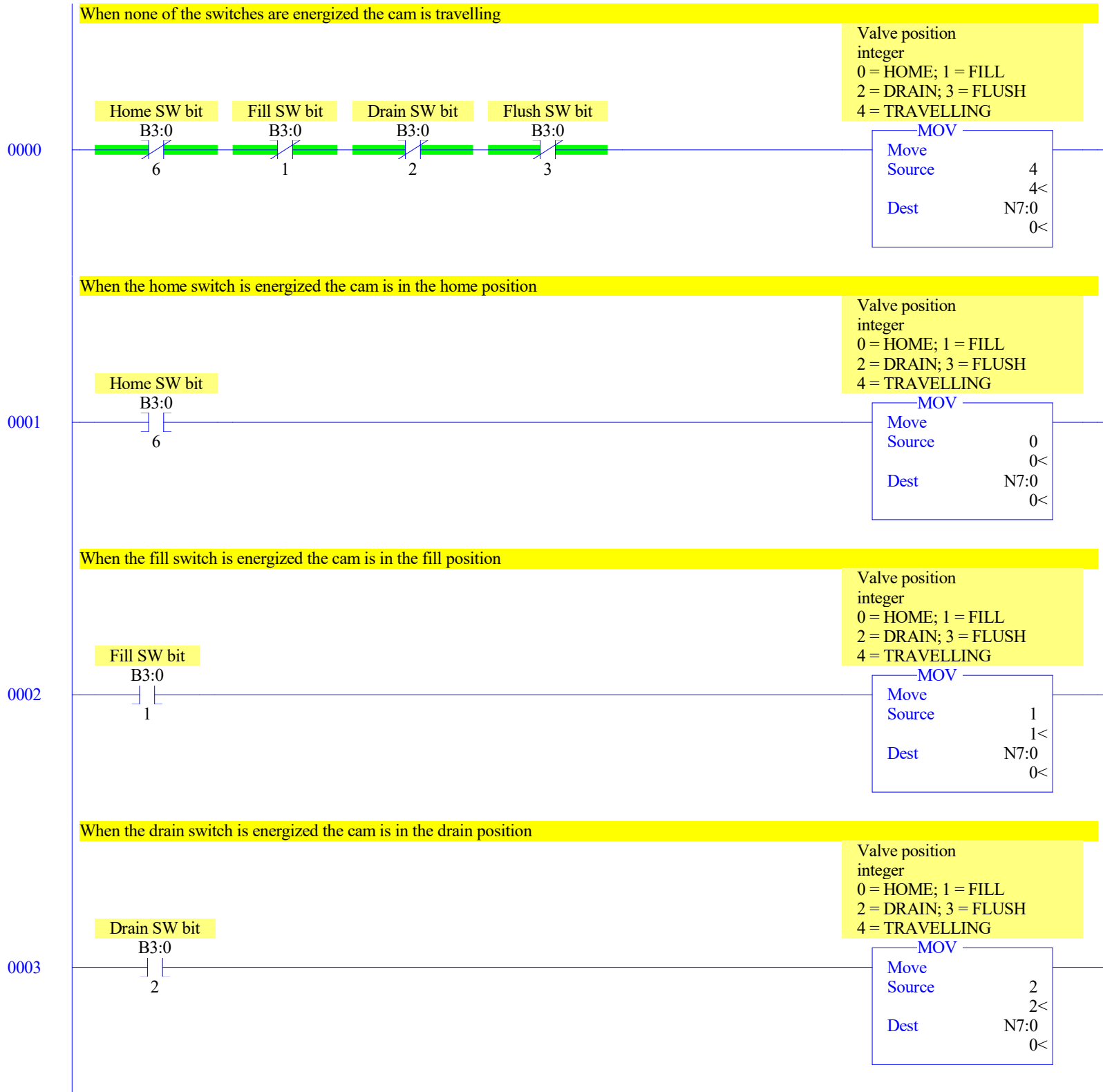
| Name | Number | Type | Rungs | Debug | Bytes |
|----------|--------|--------|-------|-------|-------|
| [SYSTEM] | 0 | SYS | 0 | No | 0 |
| | 1 | SYS | 0 | No | 0 |
| MAIN | 2 | LADDER | 3 | No | 21 |
| IO | 3 | LADDER | 7 | No | 99 |
| CYCLE | 4 | LADDER | 11 | No | 266 |
| STATES | 5 | LADDER | 7 | No | 195 |

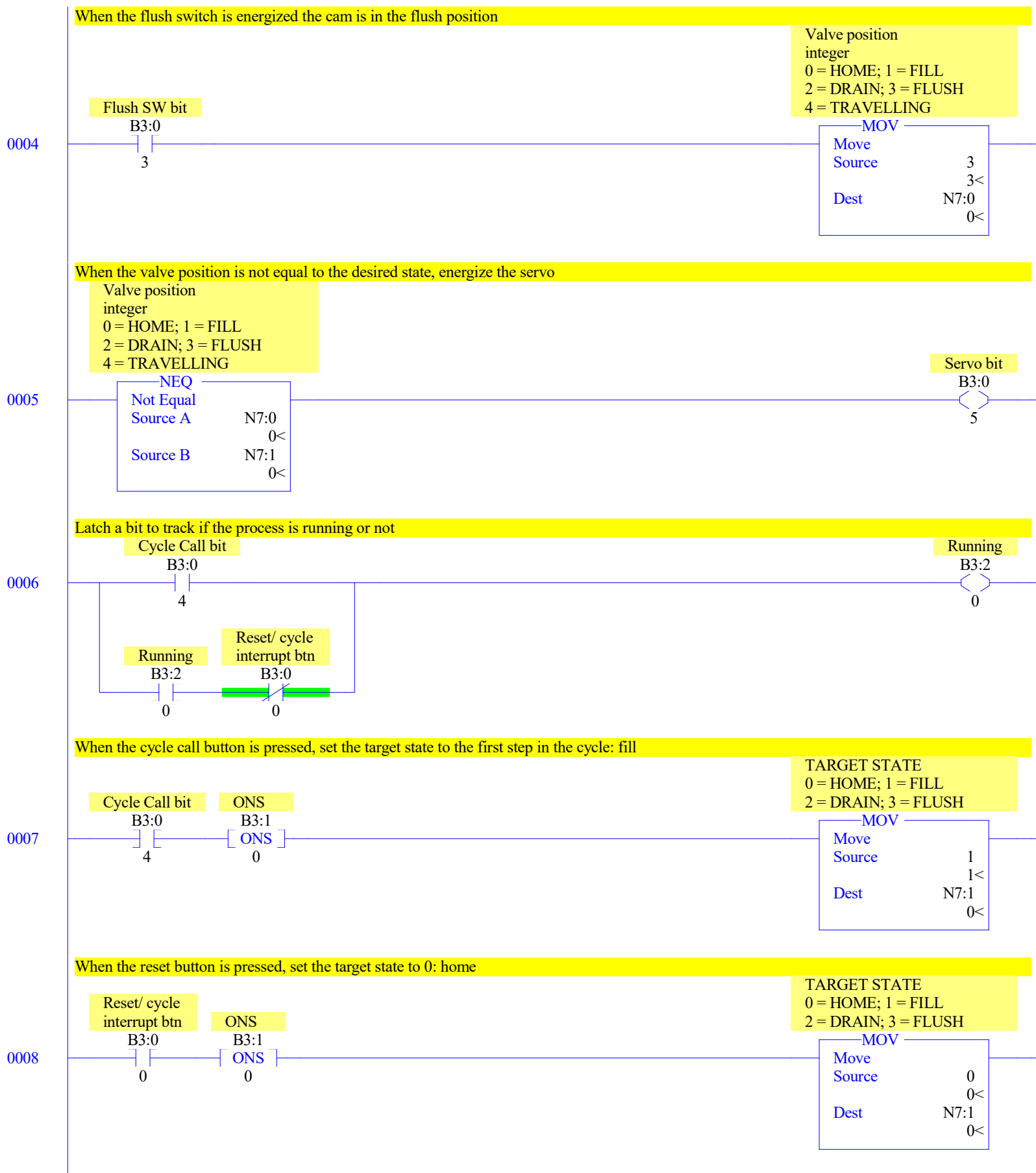
Data File List

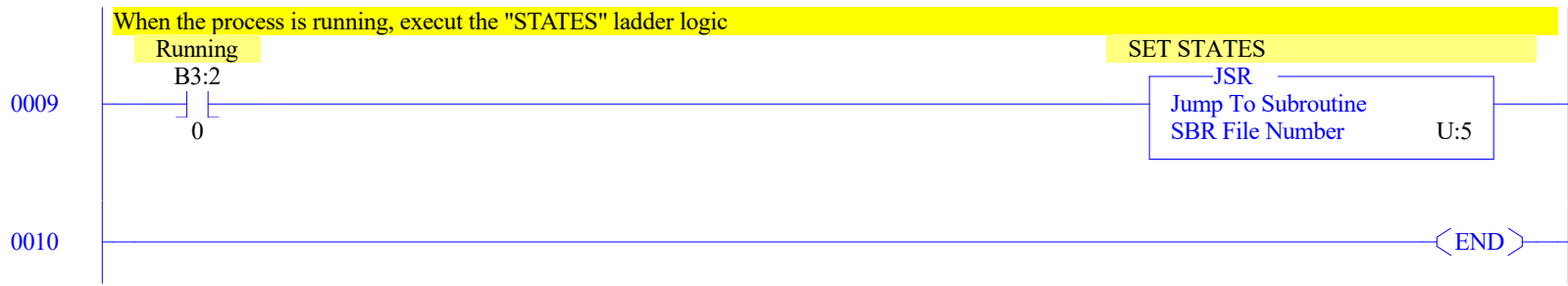
| Name | Number | Type | Scope | Debug | Words | Elements | Last |
|---------|--------|------|--------|-------|-------|----------|------|
| OUTPUT | 0 | O | Global | No | 12 | 4 | O:3 |
| INPUT | 1 | I | Global | No | 18 | 6 | I:5 |
| STATUS | 2 | S | Global | No | 0 | 66 | S:65 |
| BINARY | 3 | B | Global | No | 3 | 3 | B3:2 |
| TIMER | 4 | T | Global | No | 9 | 3 | T4:2 |
| 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 |

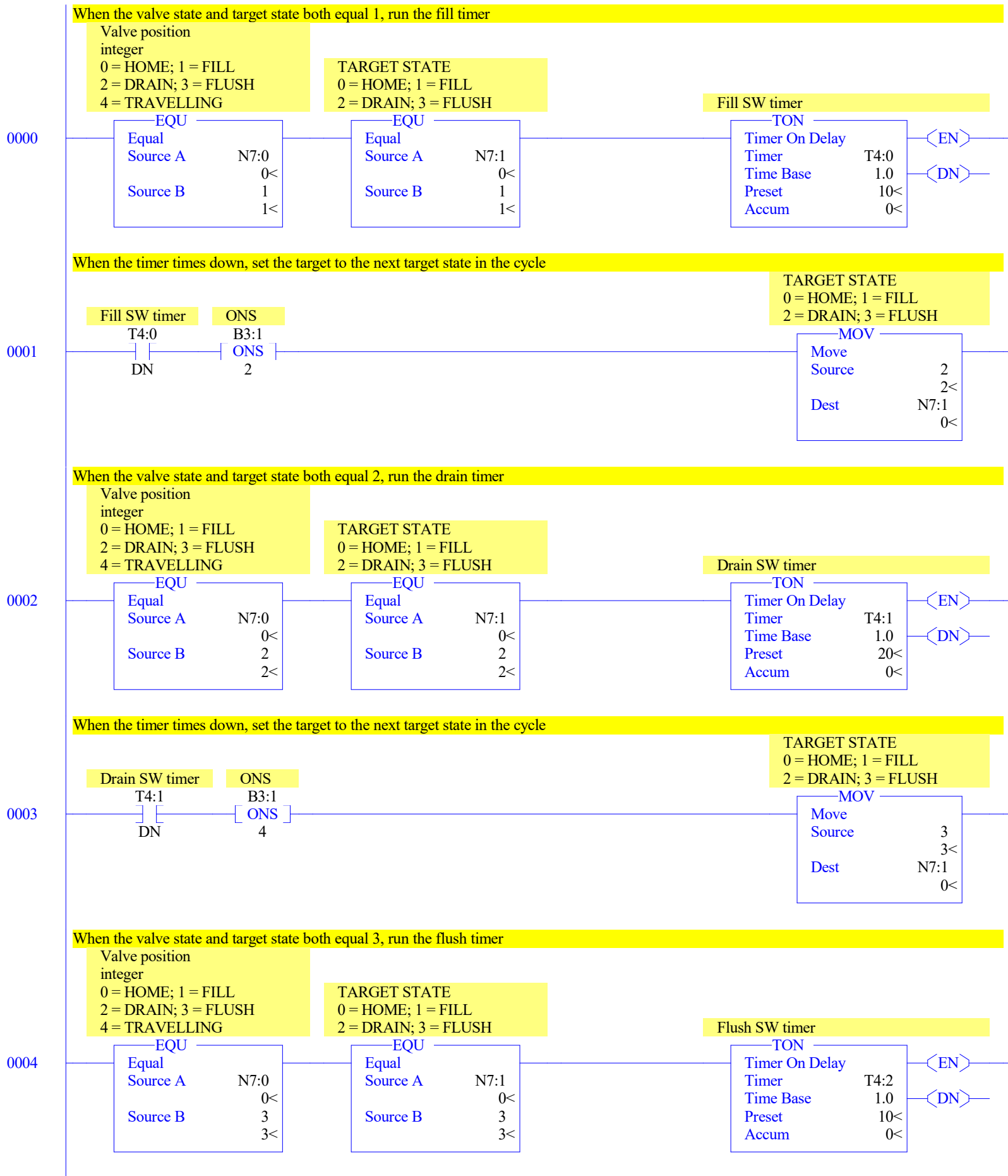


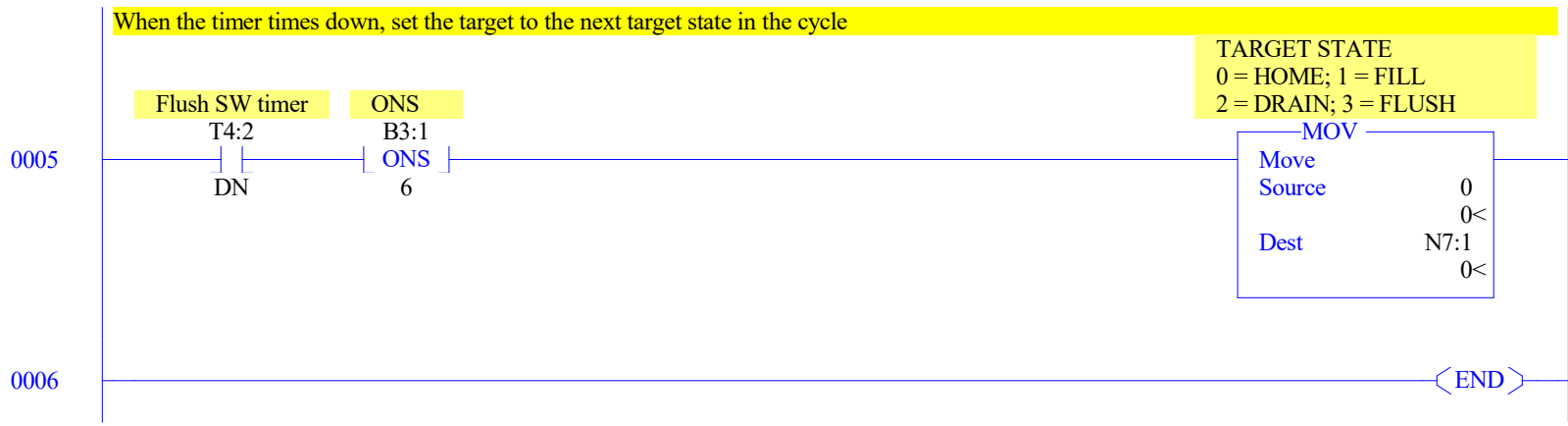












| Offset | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | | | | |
|--------|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|----------|------------|------|----------|
| O:0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix | 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 |

| 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

| 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 | | |
| B3:1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| B3:2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

| Offset | EN | TT | DN | BASE | PRE | ACC | (Symbol) | Description |
|--------|----|----|----|---------|-----|-----|----------------|-------------|
| T4:0 | 0 | 0 | 0 | 1.0 sec | 10 | 0 | Fill SW timer | |
| T4:1 | 0 | 0 | 0 | 1.0 sec | 20 | 0 | Drain SW timer | |
| T4:2 | 0 | 0 | 0 | 1.0 sec | 10 | 0 | Flush SW timer | |

| 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 | 0 | | |

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 | | | | |

Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group |
|---------|--------|-------|---|-----------|
| B3:0/0 | | | Reset/ cycle interrupt btn | |
| B3:0/1 | | | Fill SW bit | |
| B3:0/2 | | | Drain SW bit | |
| B3:0/3 | | | Flush SW bit | |
| B3:0/4 | | | Cycle Call bit | |
| B3:0/5 | | | Servo bit | |
| B3:0/6 | | | Home SW bit | |
| B3:0/7 | | | Reset/ Interrupt | |
| B3:1/0 | | | ONS | |
| B3:1/1 | | | ONS | |
| B3:1/2 | | | ONS | |
| B3:1/3 | | | ONS | |
| B3:1/4 | | | ONS | |
| B3:1/5 | | | ONS | |
| B3:1/6 | | | ONS | |
| B3:2/0 | | | Running | |
| I:0/0 | | | Home SW | |
| I:0/1 | | | Fill SW | |
| I:0/2 | | | Drain SW | |
| I:0/3 | | | Flush SW | |
| I:0/4 | | | Cycle Call | |
| N7:0 | | | Valve position integer 0 = HOME; 1 = FILL 2 = DRAIN; 3 = FLUSH 4 = TRAVELLING | |
| N7:1 | | | TARGET STATE 0 = HOME; 1 = FILL 2 = DRAIN; 3 = FLUSH | |
| O:0/0 | | | Servo | |
| 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 |
|---------|--------|-------|--|-----------|
| 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 | |
| T4:0 | | | Fill SW timer | |
| T4:0/DN | | | | |

Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group |
|---------|--------|-------|----------------|-----------|
| T4:1 | | | Drain SW timer | |
| T4:1/DN | | | | |
| T4:2 | | | Flush SW timer | |
| T4:2/DN | | | | |
| U:3 | | | IO | |
| U:4 | | | CYCLE | |
| U:5 | | | SET STATES | |

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

Symbol Group Database

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