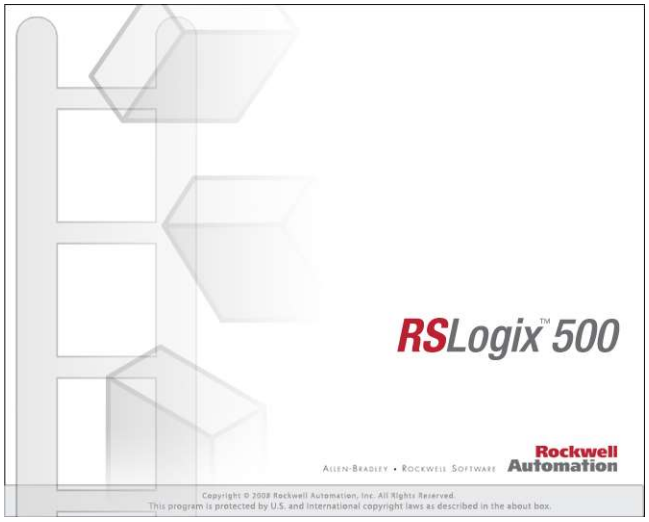
# RSLogix Micro Project Report



# Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 250 Instruction Words Used - 58 Data Table Words Used

Total Memory Left: 6406 Instruction Words Left

Program Files: 6

Data Files: 9

Program ID: b4dd

# 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:

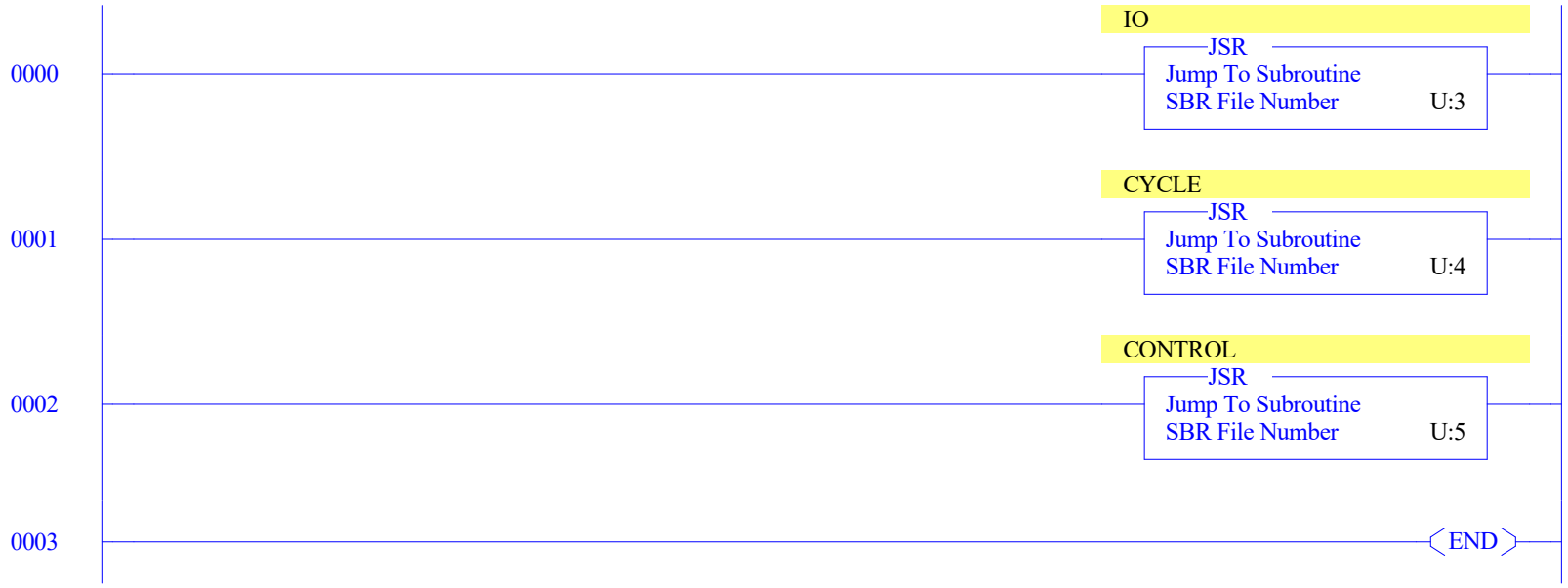
Program File List

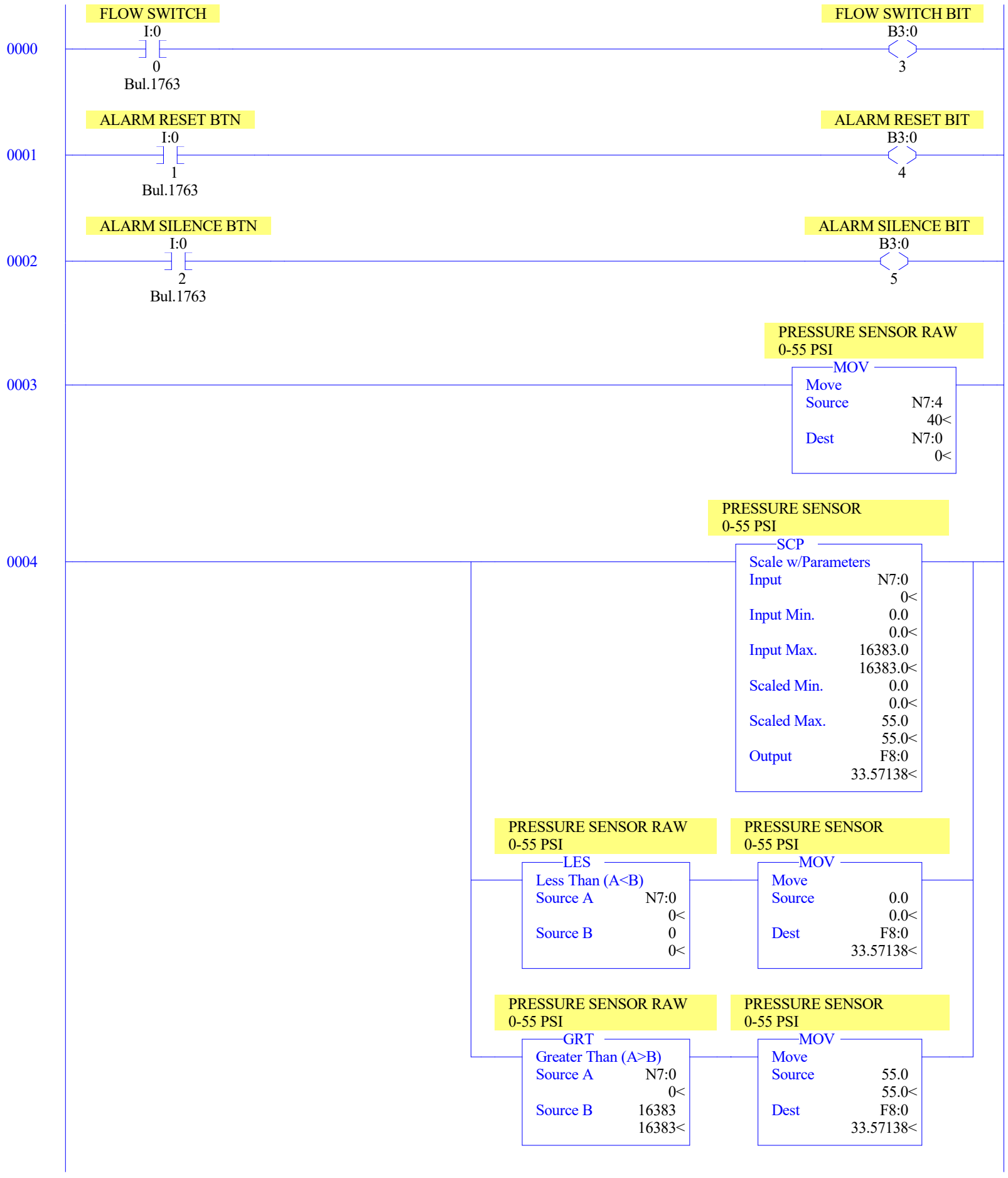
| Name | Number | Type | Rungs | Debug | Bytes |
|---|---|---|---|---|---|
| [SYSTEM] | 0 | SYS | 0 | No | 0 |
| | 1 | SYS | 0 | No | 0 |
| MAIN | 2 | LADDER | 4 | No | 30 |
| IO | 3 | LADDER | 9 | No | 213 |
| CYCLE | 4 | LADDER | 5 | No | 225 |
| CTRL | 5 | LADDER | 14 | No | 449 |

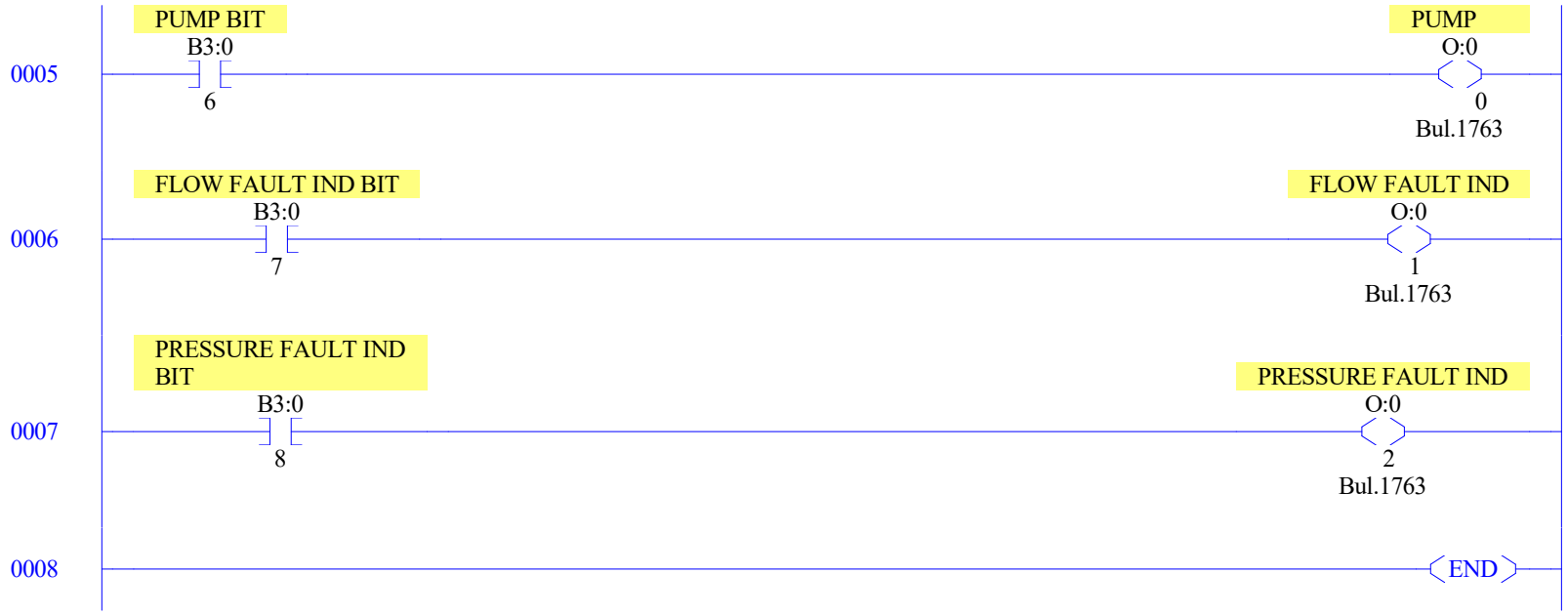
Data File List

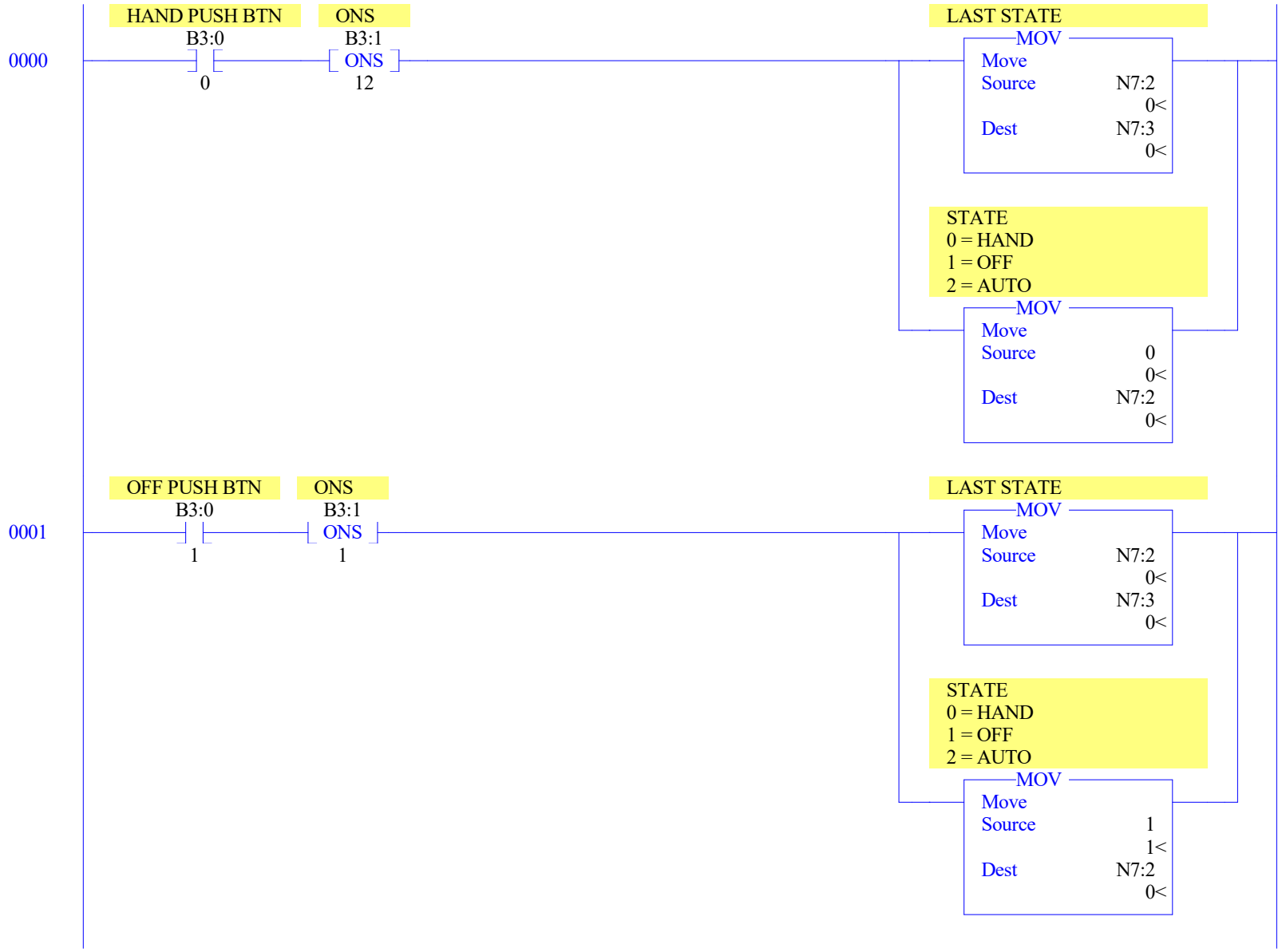
| Name | Number | Type | Scope | Debug | Words | Elements | Last |
|---|---|---|---|---|---|---|---|
| OUTPUT | 0 | O | Global | No | 12 | 4 | O:3 |
| INPUT | 1 | I | Global | No | 18 | 6 | I:5 |
| STATUS | 2 | S | Global | No | 0 | 66 | S:65 |
| BINARY | 3 | B | Global | No | 2 | 2 | B3:1 |
| TIMER | 4 | T | Global | No | 12 | 4 | T4:3 |
| COUNTER | 5 | C | Global | No | 3 | 1 | C5:0 |
| CONTROL | 6 | R | Global | No | 3 | 1 | R6:0 |
| INTEGER | 7 | N | Global | No | 6 | 6 | N7:5 |
| FLOAT | 8 | F | Global | No | 2 | 1 | F8:0 |

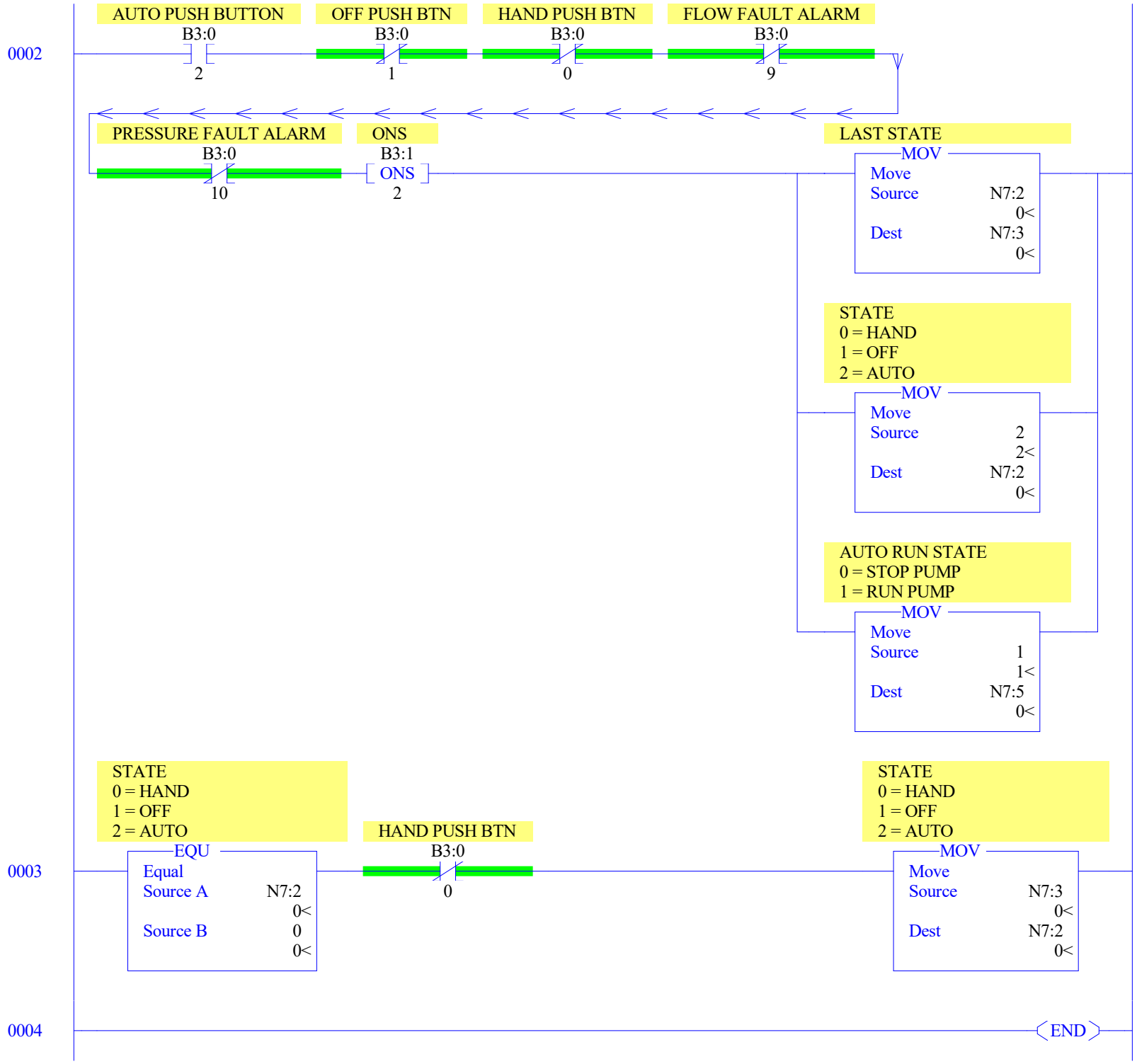
LAD 2 - MAIN --- Total Rungs in File = 4

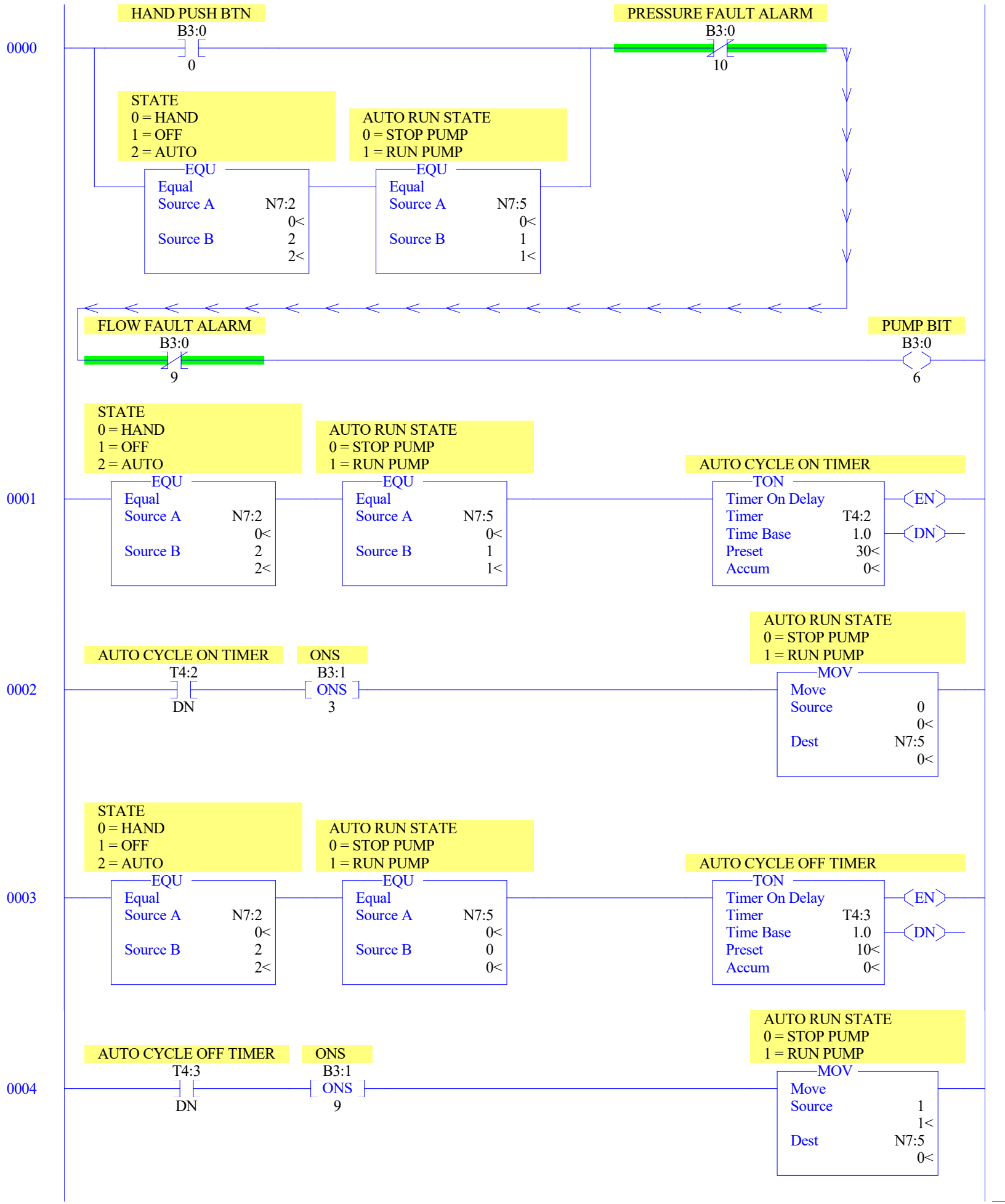


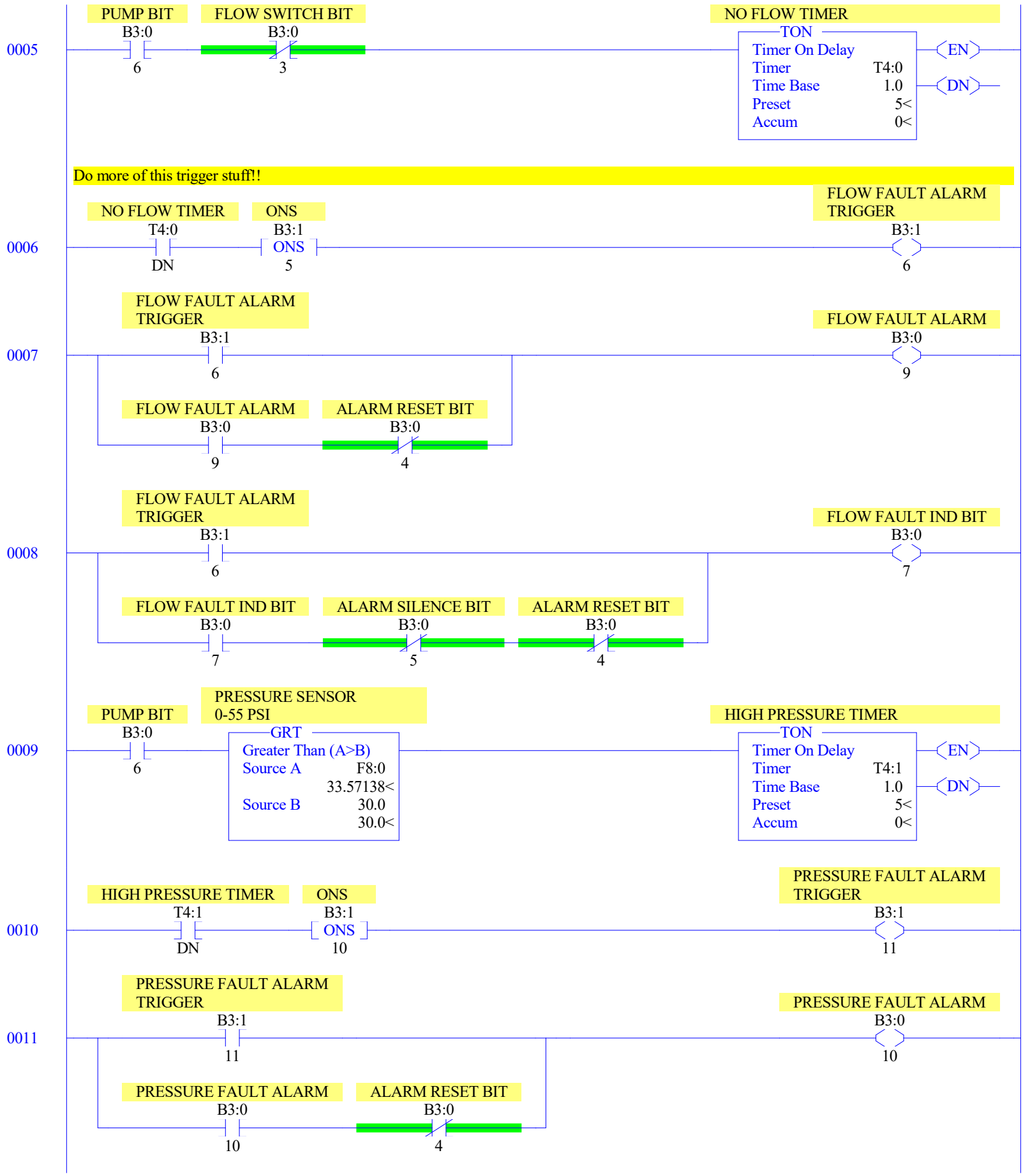

0000
FLOW SWITCH
I:0
0
Bul.1763
FLOW SWITCH BIT
B3:0
3
0001
ALARM RESET BTN
I:0
1
Bul.1763
ALARM RESET BIT
B3:0
4
0002
ALARM SILENCE BTN
I:0
2
Bul.1763
ALARM SILENCE BIT
B3:0
5
0003
PRESSURE SENSOR RAW
0-55 PSI
MOV
Move
Source N7:4
40<
Dest N7:0
0<
0004
PRESSURE SENSOR
0-55 PSI
SCP
Scale w/Parameters
Input N7:0
0<
Input Min. 0.0
0.0<
Input Max. 16383.0
16383.0<
Scaled Min. 0.0
0.0<
Scaled Max. 55.0
55.0<
Output F8:0
33.57138<
PRESSURE SENSOR RAW
0-55 PSI
LES
Less Than (A<B)
Source A N7:0
0<
Source B 0
0<
PRESSURE SENSOR
0-55 PSI
MOV
Move
Source 0.0
0.0<
Dest F8:0
33.57138<
PRESSURE SENSOR RAW
0-55 PSI
GRT
Greater Than (A>B)
Source A N7:0
0<
Source B 16383
16383<
PRESSURE SENSOR
0-55 PSI
MOV
Move
Source 55.0
55.0<
Dest F8:0
33.57138<

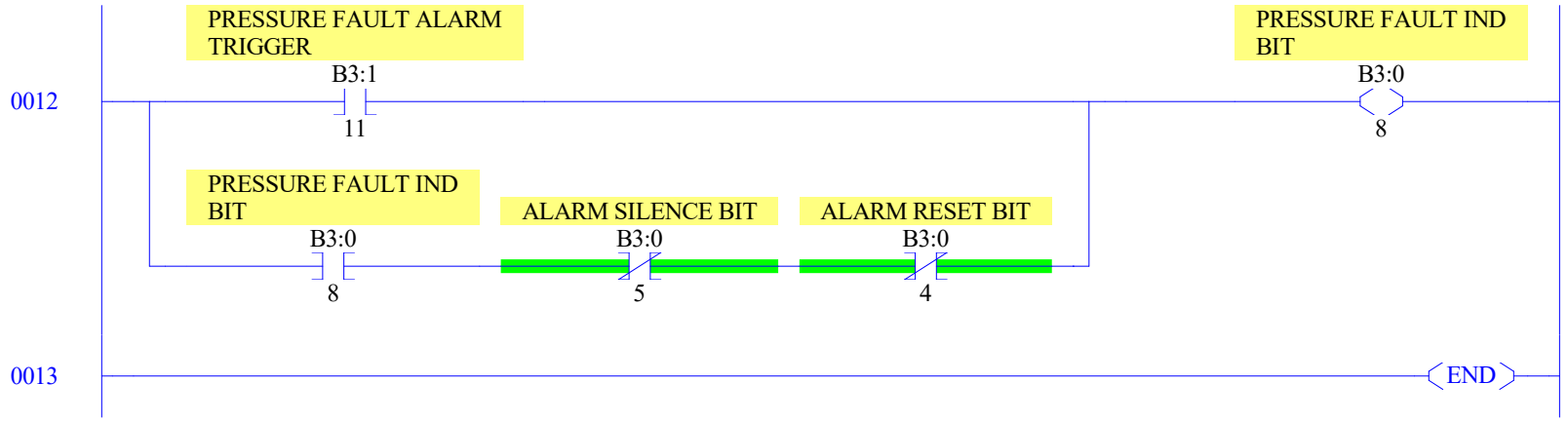

PUMP BIT
B3:0
6
PUMP
O:0
0
Bul.1763
0005
FLOW FAULT IND BIT
B3:0
7
FLOW FAULT IND
O:0
1
Bul.1763
0006
PRESSURE FAULT IND BIT
B3:0
8
PRESSURE FAULT IND
O:0
2
Bul.1763
0007
END
0008


HAND PUSH BTN
B3:0
0
ONS
B3:1
ONS
12
LAST STATE
MOV
Move
Source N7:2
0
Dest N7:3
0
STATE
0 = HAND
1 = OFF
2 = AUTO
MOV
Move
Source 0
0
Dest N7:2
0
0000
OFF PUSH BTN
B3:0
1
ONS
B3:1
ONS
1
LAST STATE
MOV
Move
Source N7:2
0
Dest N7:3
0
STATE
0 = HAND
1 = OFF
2 = AUTO
MOV
Move
Source 1
1
Dest N7:2
0
0001


AUTO PUSH BUTTON
B3:0
2
OFF PUSH BTN
B3:0
1
HAND PUSH BTN
B3:0
0
FLOW FAULT ALARM
B3:0
9
0002
PRESSURE FAULT ALARM
B3:0
10
ONS
B3:1
ONS
2
LAST STATE
MOV
Move
Source N7:2
0<
Dest N7:3
0<
STATE
0 = HAND
1 = OFF
2 = AUTO
MOV
Move
Source 2
2<
Dest N7:2
0<
AUTO RUN STATE
0 = STOP PUMP
1 = RUN PUMP
MOV
Move
Source 1
1<
Dest N7:5
0<
STATE
0 = HAND
1 = OFF
2 = AUTO
EQU
Equal
Source A N7:2
0<
Source B 0
0<
HAND PUSH BTN
B3:0
0
0003
STATE
0 = HAND
1 = OFF
2 = AUTO
MOV
Move
Source N7:3
0<
Dest N7:2
0<
0004
END


HAND PUSH BTN
B3:0
0
PRESSURE FAULT ALARM
B3:0
10
STATE
0 = HAND
1 = OFF
2 = AUTO
EQU
Equal
Source A N7:2
0<
Source B 2
2<
AUTO RUN STATE
0 = STOP PUMP
1 = RUN PUMP
EQU
Equal
Source A N7:5
0<
Source B 1
1<
FLOW FAULT ALARM
B3:0
9
PUMP BIT
B3:0
6
0000
STATE
0 = HAND
1 = OFF
2 = AUTO
EQU
Equal
Source A N7:2
0<
Source B 2
2<
AUTO RUN STATE
0 = STOP PUMP
1 = RUN PUMP
EQU
Equal
Source A N7:5
0<
Source B 1
1<
AUTO CYCLE ON TIMER
TON
Timer On Delay
Timer T4:2
Time Base 1.0
Preset 30<
Accum 0<
EN
DN
0001
AUTO CYCLE ON TIMER
T4:2
DN
ONS
B3:1
ONS
3
AUTO RUN STATE
0 = STOP PUMP
1 = RUN PUMP
MOV
Move
Source 0
0<
Dest N7:5
0<
0002
STATE
0 = HAND
1 = OFF
2 = AUTO
EQU
Equal
Source A N7:2
0<
Source B 2
2<
AUTO RUN STATE
0 = STOP PUMP
1 = RUN PUMP
EQU
Equal
Source A N7:5
0<
Source B 0
0<
AUTO CYCLE OFF TIMER
TON
Timer On Delay
Timer T4:3
Time Base 1.0
Preset 10<
Accum 0<
EN
DN
0003
AUTO CYCLE OFF TIMER
T4:3
DN
ONS
B3:1
ONS
9
AUTO RUN STATE
0 = STOP PUMP
1 = RUN PUMP
MOV
Move
Source 1
1<
Dest N7:5
0<
0004


PUMP BIT
B3:0
6
FLOW SWITCH BIT
B3:0
3
NO FLOW TIMER
TON
Timer On Delay
Timer T4:0
Time Base 1.0
Preset 5<
Accum 0<
EN
DN
0005
Do more of this trigger stuff!!
NO FLOW TIMER
T4:0
DN
ONS
B3:1
ONS
5
FLOW FAULT ALARM TRIGGER
B3:1
6
0006
FLOW FAULT ALARM TRIGGER
B3:1
6
FLOW FAULT ALARM
B3:0
9
FLOW FAULT ALARM
B3:0
9
ALARM RESET BIT
B3:0
4
0007
FLOW FAULT ALARM TRIGGER
B3:1
6
FLOW FAULT IND BIT
B3:0
7
FLOW FAULT IND BIT
B3:0
7
ALARM SILENCE BIT
B3:0
5
ALARM RESET BIT
B3:0
4
0008
PUMP BIT
B3:0
6
PRESSURE SENSOR
0-55 PSI
GRT
Greater Than (A>B)
Source A F8:0
33.57138<
Source B 30.0
30.0<
HIGH PRESSURE TIMER
TON
Timer On Delay
Timer T4:1
Time Base 1.0
Preset 5<
Accum 0<
EN
DN
0009
HIGH PRESSURE TIMER
T4:1
DN
ONS
B3:1
ONS
10
PRESSURE FAULT ALARM TRIGGER
B3:1
11
0010
PRESSURE FAULT ALARM TRIGGER
B3:1
11
PRESSURE FAULT ALARM
B3:0
10
PRESSURE FAULT ALARM
B3:0
10
ALARM RESET BIT
B3:0
4
0011


PRESSURE FAULT ALARM TRIGGER
B3:1
11
PRESSURE FAULT IND BIT
B3:0
8
0012
PRESSURE FAULT IND BIT
B3:0
8
ALARM SILENCE BIT
B3:0
5
ALARM RESET BIT
B3:0
4
0013
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 |

Data File S2 (hex) -- STATUS

**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
OS Series S:58 = A
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =
User Program Type S:63 = 8001h
Compiler Revision Number S:64 =

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

**Chan 0**

Processor Mode S:1/0- S:1/4 = Remote Program Mode
Node Address S:15 (low byte) = 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
Outgoing Msg Cmd Pending S:33/2 = 0

**Debug**

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

**Errors**

Fault Override At Power Up S:1/8 = 0
Startup Protection Fault S:1/9 = 0
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0
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
Fault Routine S:29 = 0
Major Error S:6 = 0h
Error Description:

**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 | |
| B3:1 | 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 | 1.0 sec | 5 | 0 | NO FLOW TIMER |
| T4:1 | 0 | 0 | 0 | 1.0 sec | 5 | 0 | HIGH PRESSURE TIMER |
| T4:2 | 0 | 0 | 0 | 1.0 sec | 30 | 0 | AUTO CYCLE ON TIMER |
| T4:3 | 0 | 0 | 0 | 1.0 sec | 10 | 0 | AUTO CYCLE OFF TIMER |

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 | 40 | 0 | | | | |

Data File F8 -- FLOAT

| Offset | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| F8:0 | 33.57138 | | | | |

# Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code | ABV | BLW |
|---|---|---|---|---|---|---|---|
| B3:0/0 | | | HAND PUSH BTN | | | | |
| B3:0/1 | | | OFF PUSH BTN | | | | |
| B3:0/2 | | | AUTO PUSH BUTTON | | | | |
| B3:0/3 | | | FLOW SWITCH BIT | | | | |
| B3:0/4 | | | ALARM RESET BIT | | | | |
| B3:0/5 | | | ALARM SILENCE BIT | | | | |
| B3:0/6 | | | PUMP BIT | | | | |
| B3:0/7 | | | FLOW FAULT IND BIT | | | | |
| B3:0/8 | | | PRESSURE FAULT IND BIT | | | | |
| B3:0/9 | | | FLOW FAULT ALARM | | | | |
| B3:0/10 | | | PRESSURE FAULT ALARM | | | | |
| B3:0/11 | | | SYSTEM ON | | | | |
| B3:1/0 | | | ONS | | | | |
| B3:1/1 | | | ONS | | | | |
| B3:1/2 | | | ONS | | | | |
| B3:1/3 | | | ONS | | | | |
| B3:1/4 | | | AUTO RUN BIT | | | | |
| B3:1/5 | | | ONS | | | | |
| B3:1/6 | | | FLOW FAULT ALARM TRIGGER | | | | |
| B3:1/7 | | | ONS | | | | |
| B3:1/8 | | | PRESSURE FAULT ALARM TRIGGER | | | | |
| B3:1/9 | | | ONS | | | | |
| B3:1/10 | | | ONS | | | | |
| B3:1/11 | | | PRESSURE FAULT ALARM TRIGGER | | | | |
| B3:1/12 | | | ONS | | | | |
| F8:0 | | | PRESSURE SENSOR 0-55 PSI | | | | |
| I:0/0 | | | FLOW SWITCH | | | | |
| I:0/1 | | | ALARM RESET BTN | | | | |
| I:0/2 | | | ALARM SILENCE BTN | | | | |
| N7:0 | | | PRESSURE SENSOR RAW 0-55 PSI | | | | |
| N7:1 | | | PRESSURE SENSOR 0-55 PSI | | | | |
| N7:2 | | | STATE 0 = HAND 1 = OFF 2 = AUTO | | | | |
| N7:3 | | | LAST STATE | | | | |
| N7:4 | | | TEST SET PRESSURE SENSOR PSI | | | | |
| N7:5 | | | AUTO RUN STATE 0 = STOP PUMP 1 = RUN PUMP | | | | |
| O:0/0 | | | PUMP | | | | |
| O:0/1 | | | FLOW FAULT IND | | | | |
| O:0/2 | | | PRESSURE FAULT IND | | | | |
| 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 | | | | |

# Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code | ABV | BLW |
|---|---|---|---|---|---|---|---|
| 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,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 | | | | |

# Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code | ABV | BLW |
|---|---|---|---|---|---|---|---|
| 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 | | | NO FLOW TIMER | | | | |
| T4:0/DN | | | | | | | |
| T4:1 | | | HIGH PRESSURE TIMER | | | | |
| T4:1/DN | | | | | | | |
| T4:2 | | | AUTO CYCLE ON TIMER | | | | |
| T4:2/DN | | | | | | | |
| T4:3 | | | AUTO CYCLE OFF TIMER | | | | |
| T4:3/DN | | | | | | | |
| U:3 | | | IO | | | | |
| U:4 | | | CYCLE | | | | |
| U:5 | | | CONTROL | | | | |

Instruction Comment Database

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

Symbol Group Database

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