

RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 277 Instruction Words Used - 87 Data Table Words Used

Total Memory Left: 6379 Instruction Words Left

Program Files: 7

Data Files: 9

Program ID: 4bd4

I/O Configuration

0 Bul.1763 MicroLogix 1100 Series B
1 1762-IQ80W6 8-Input 10/30 VDC 6-Output (RLY)
2 1762-IF2OF2 Analog 2 Chan. Input, 2 Chan. Output
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

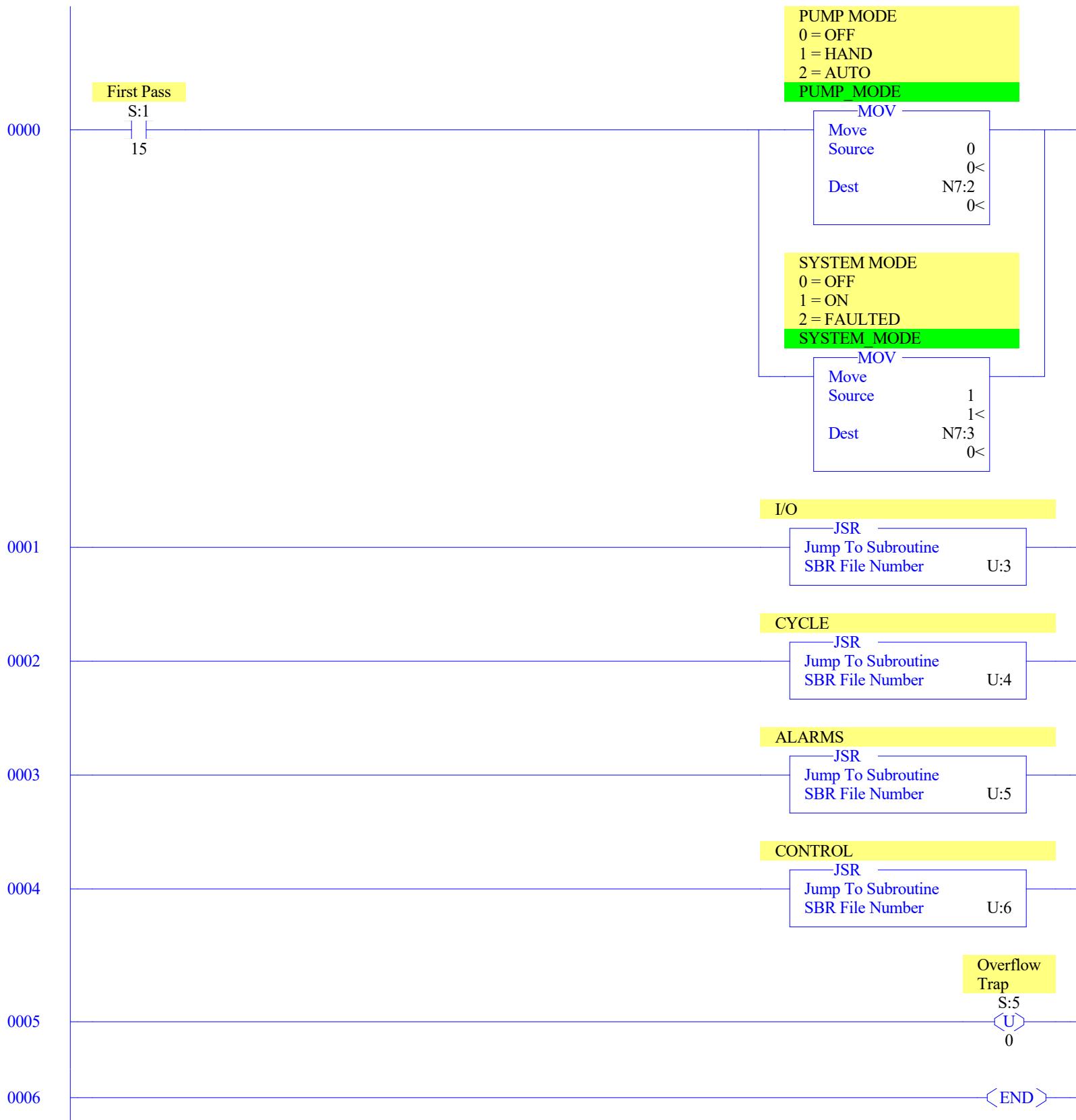
Hardware Address: 00:00:00:00:00:00
IP Address: 0.0.0.0
Subnet Mask: 0.0.0.0
Gateway Address: 0.0.0.0
Msg Connection Timeout (x 1mS): 15000
Msg Reply Timeout (x mS): 3000
Inactivity Timeout (x Min): 30
Bootp Enable: Yes
Dhcp Enable: No
SNMP Enable: No
HTTP Enable: Yes
Auto Negotiate Enable: Yes
Port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

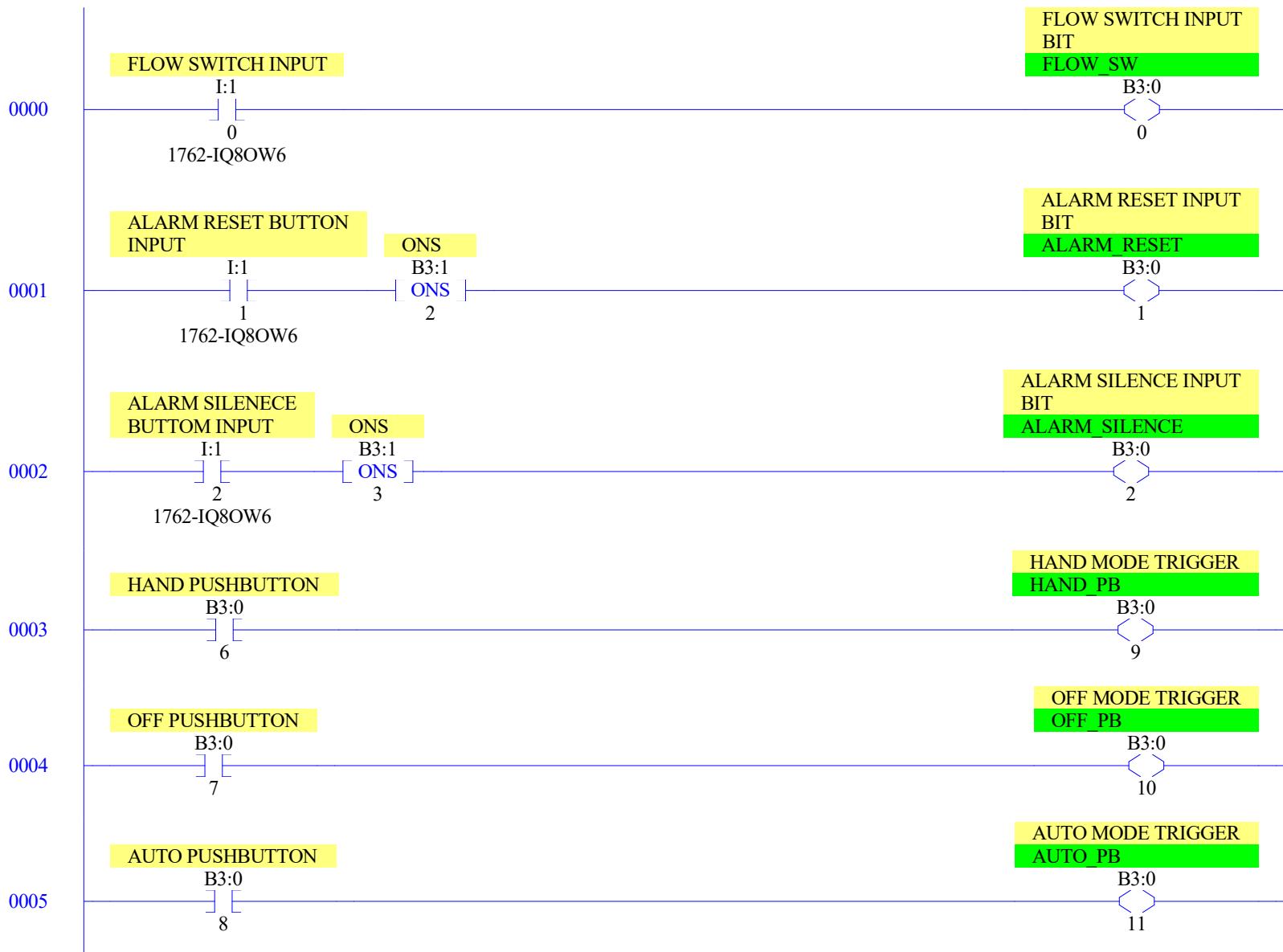
Program File List

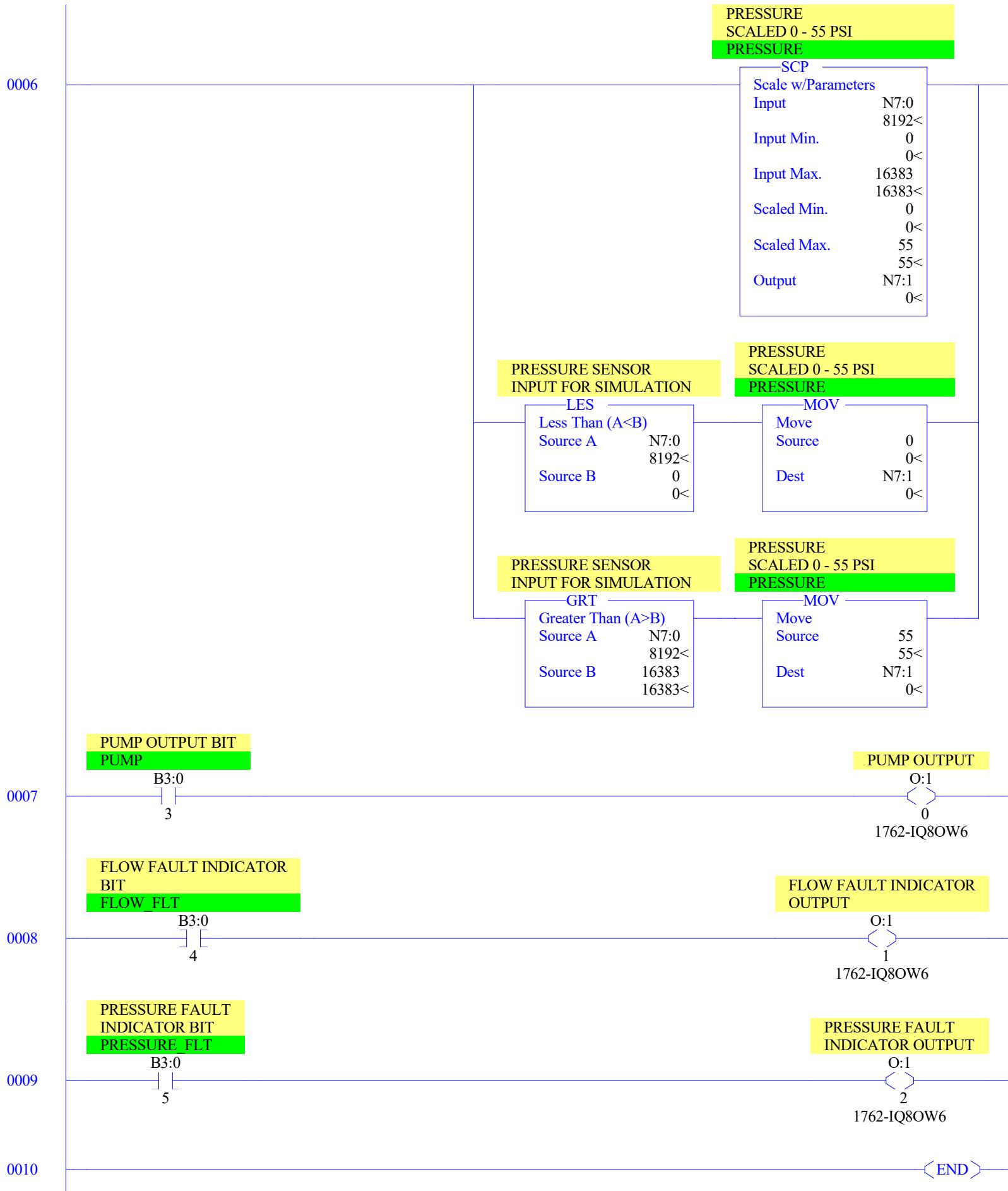
Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	7	No	89
I/O	3	LADDER	11	No	260
CYCLE	4	LADDER	3	No	108
ALARMS	5	LADDER	5	No	296
CONTROL	6	LADDER	5	No	199

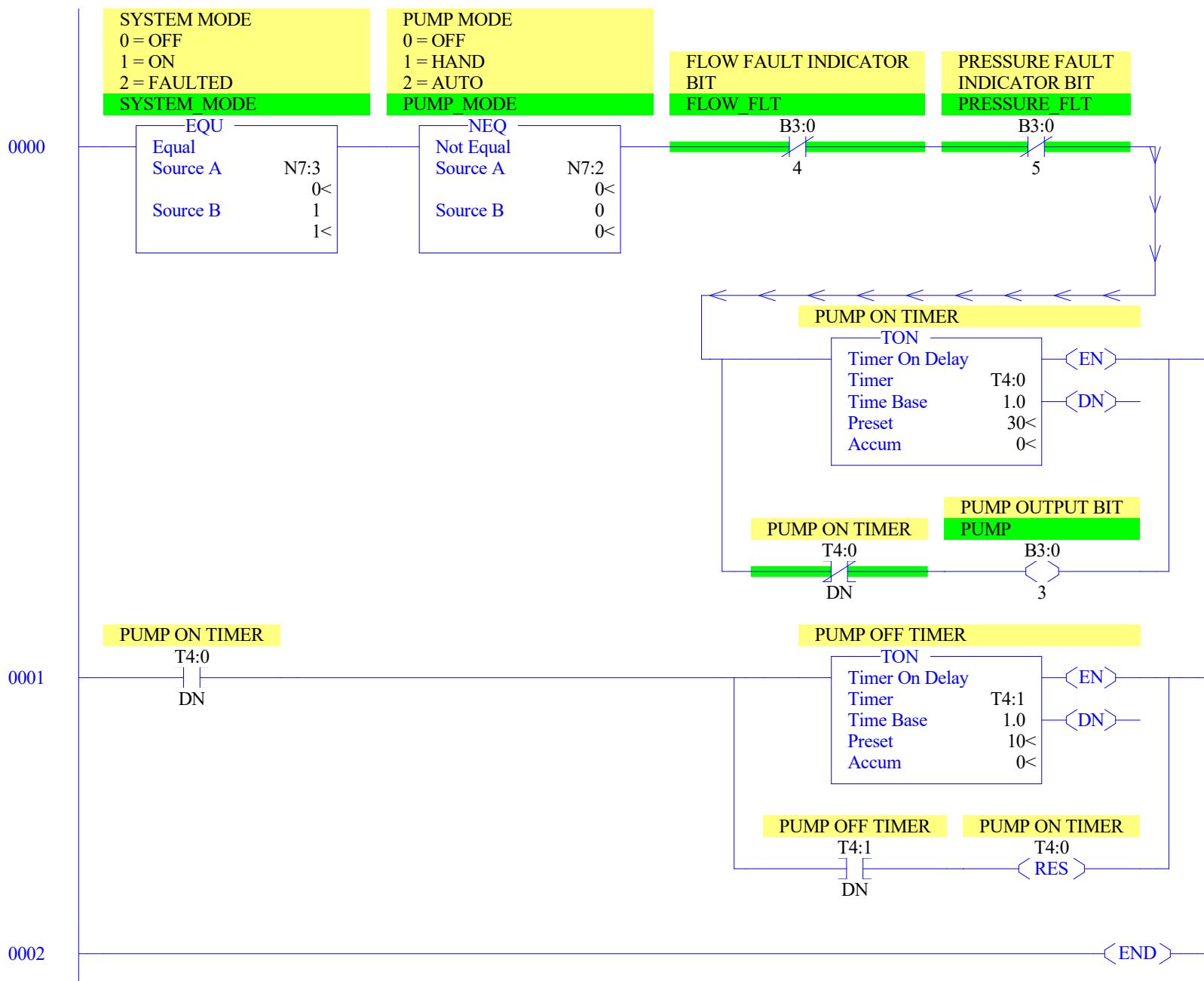
Data File List

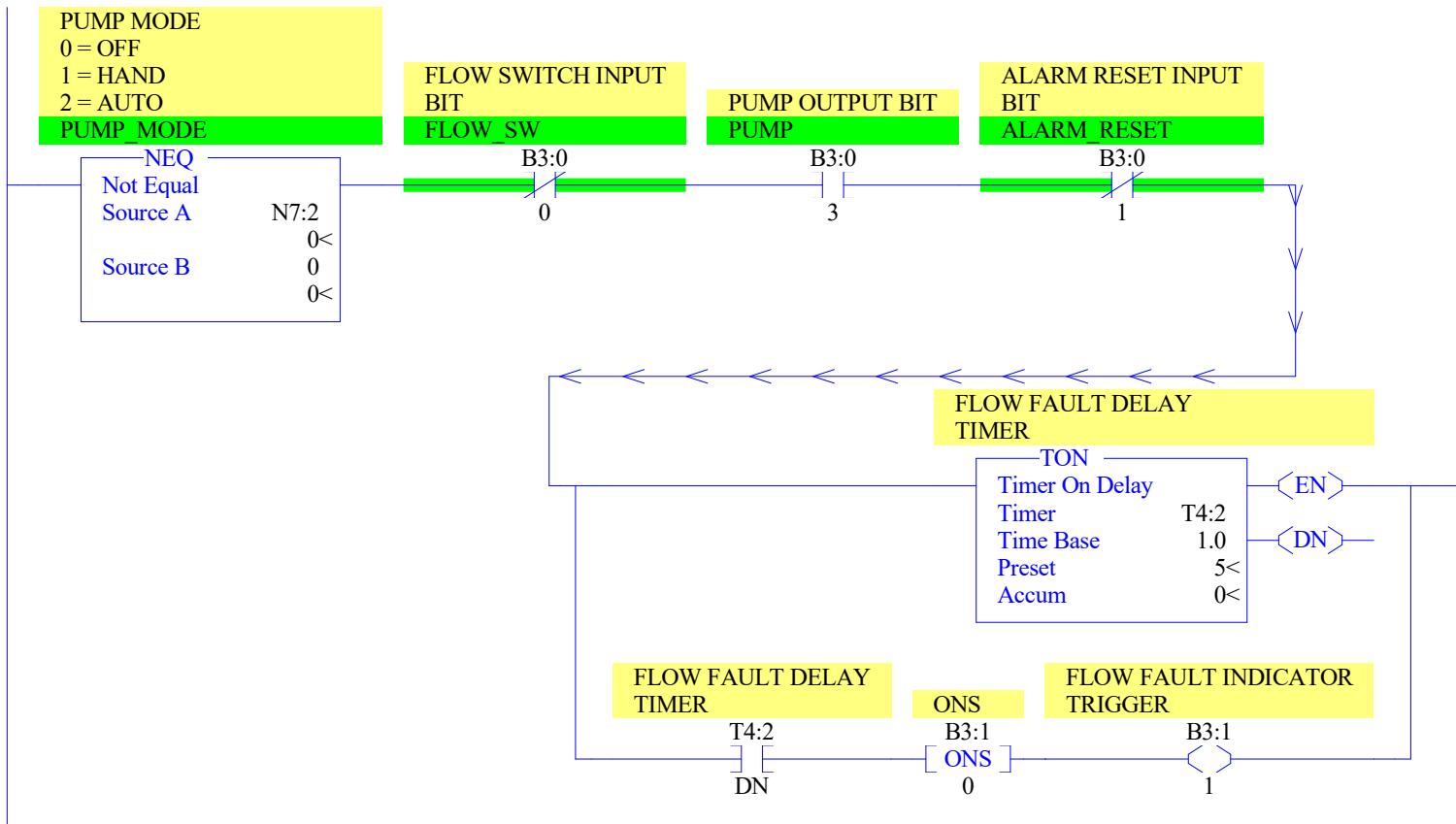
Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	21	7	O:6
INPUT	1	I	Global	No	39	13	I:12
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	2	2	B3:1
TIMER	4	T	Global	No	12	4	T4:3
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	5	5	N7:4
FLOAT	8	F	Global	No	2	1	F8:0

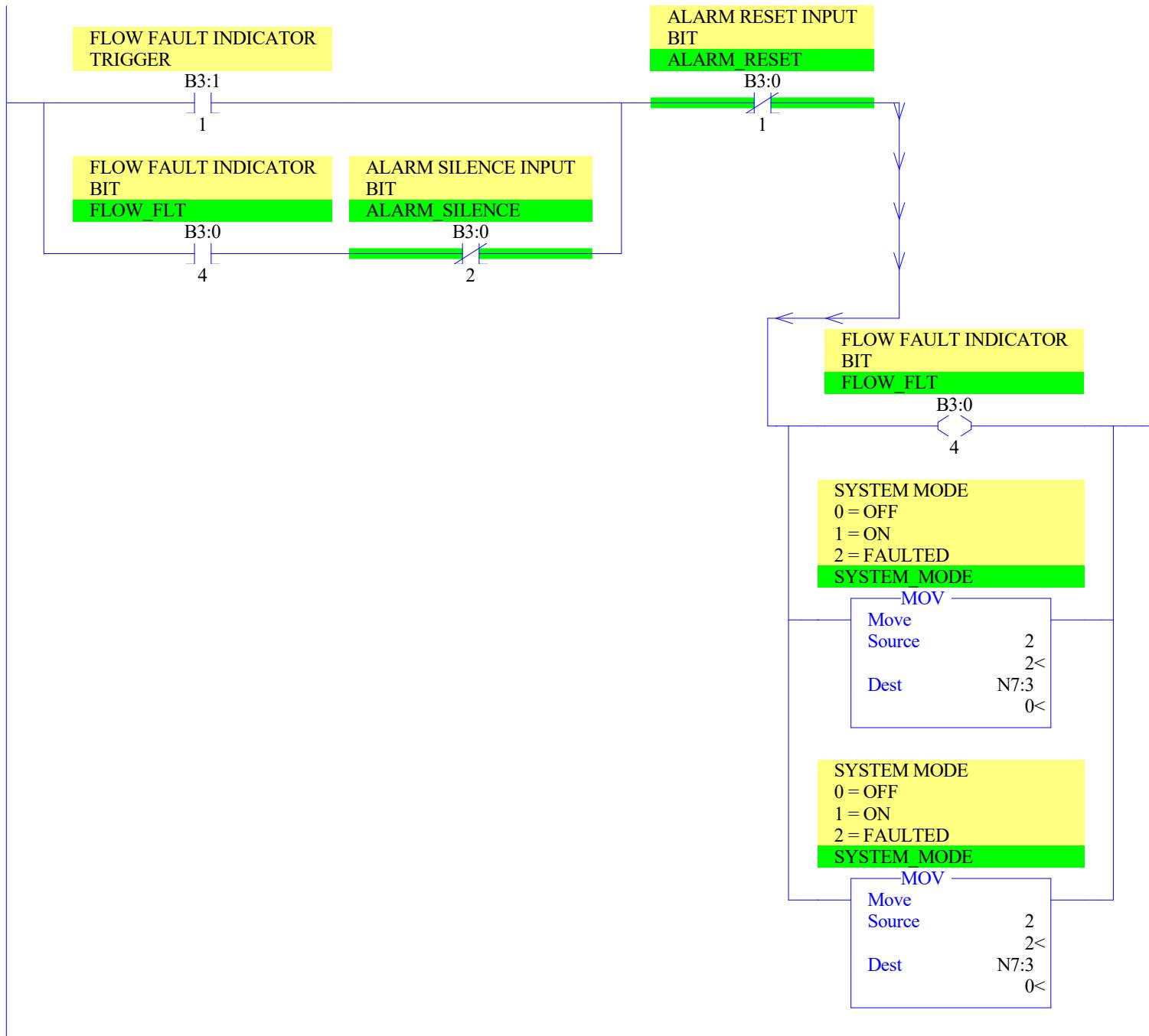


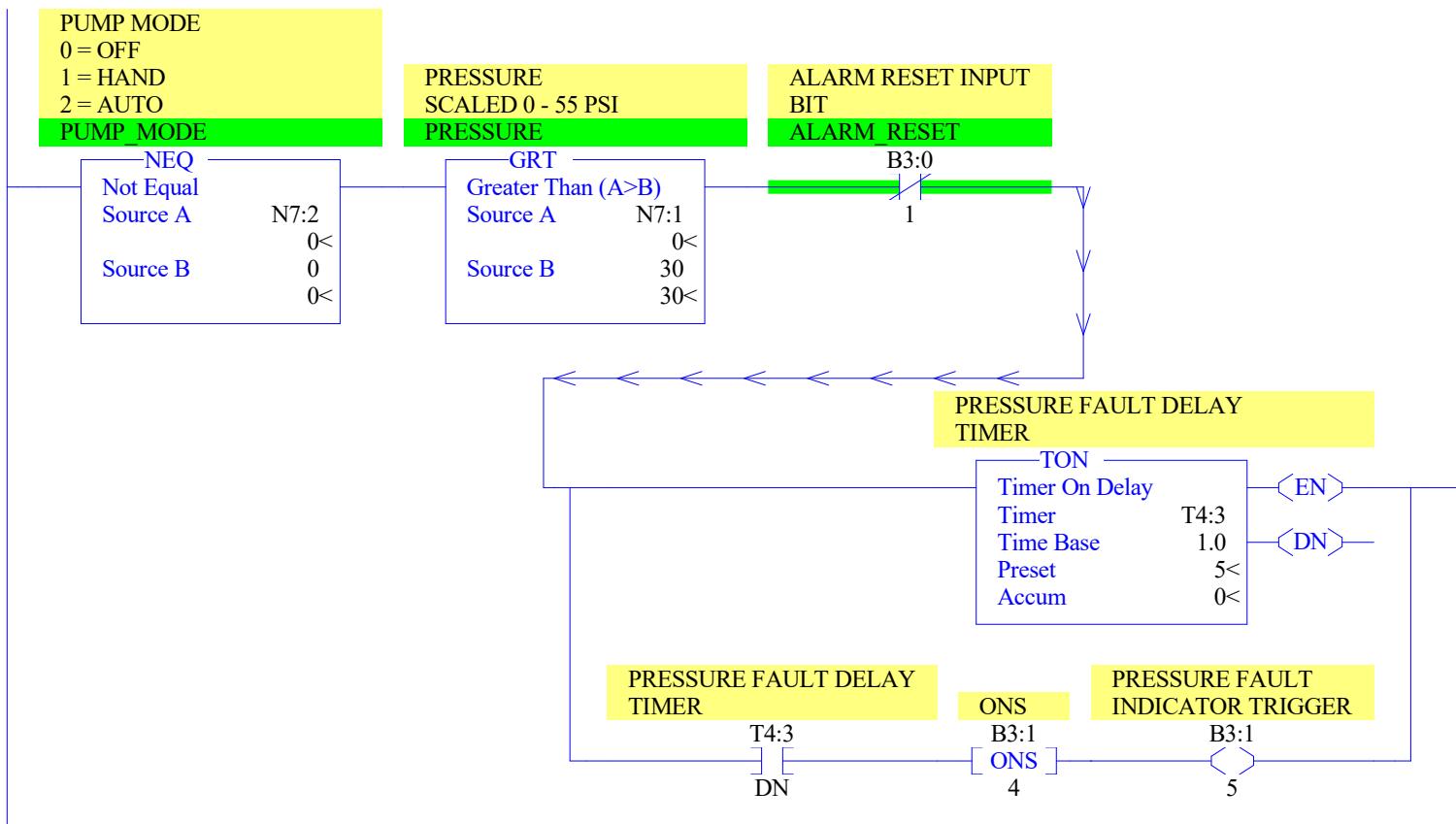


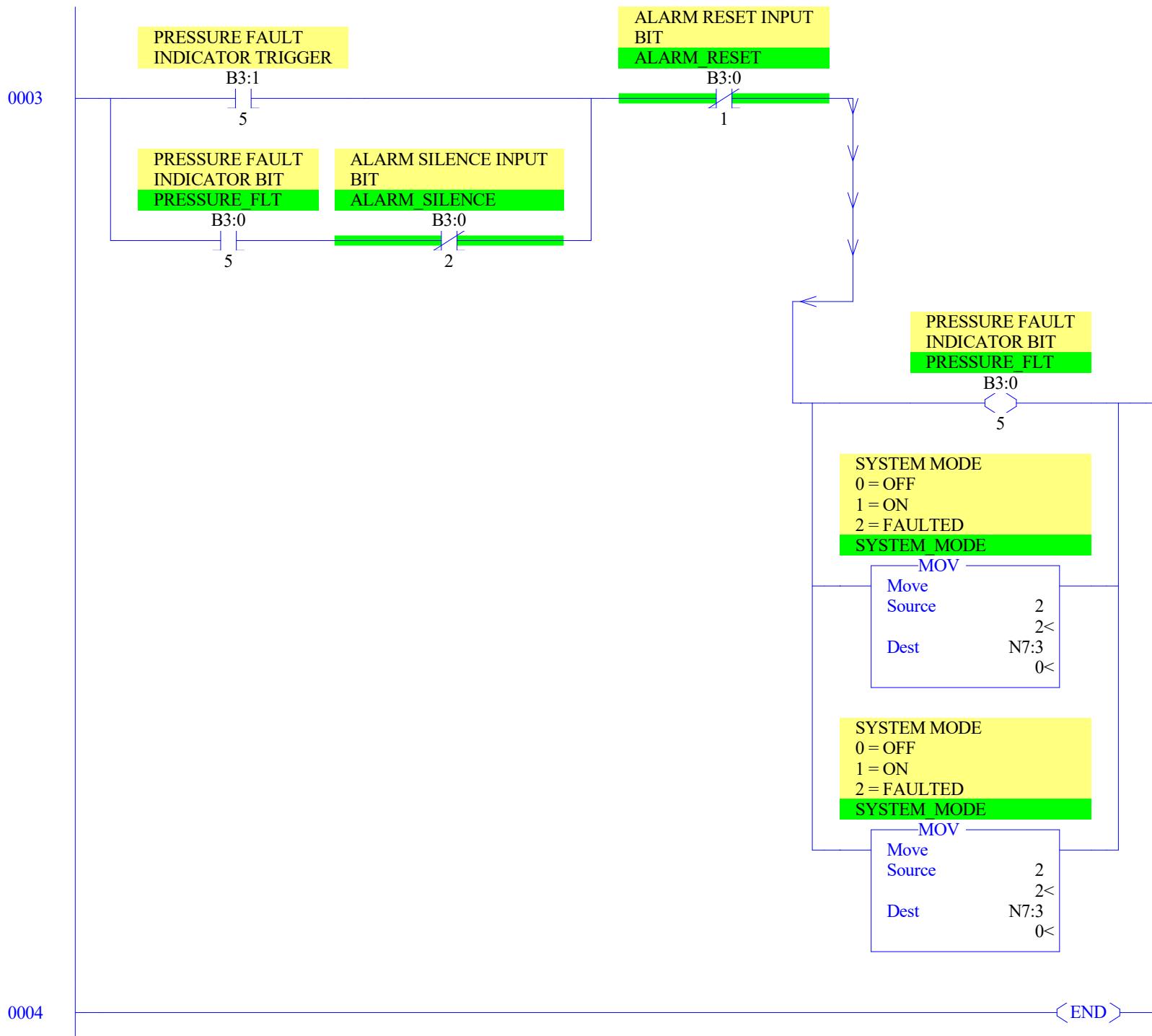


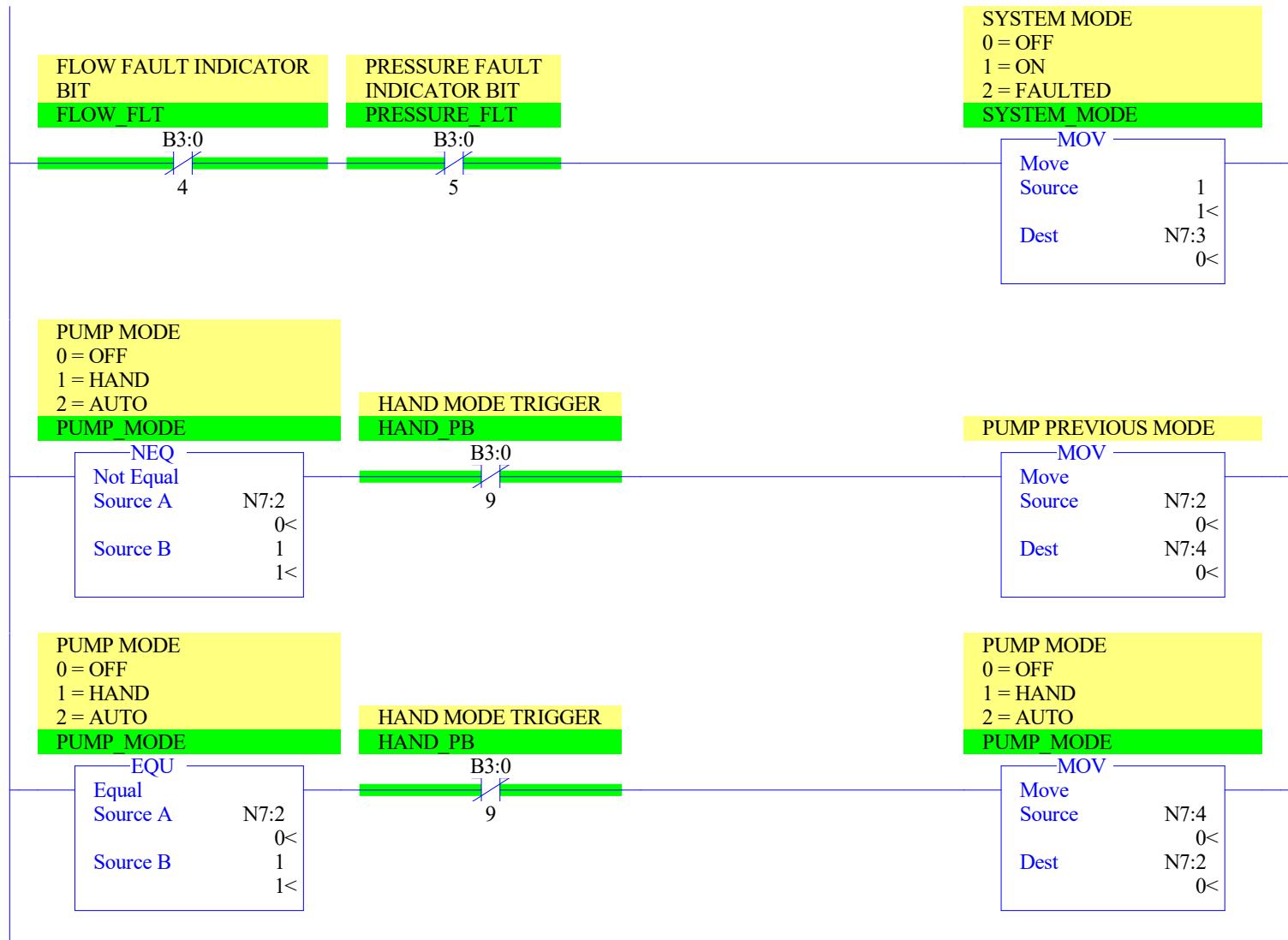


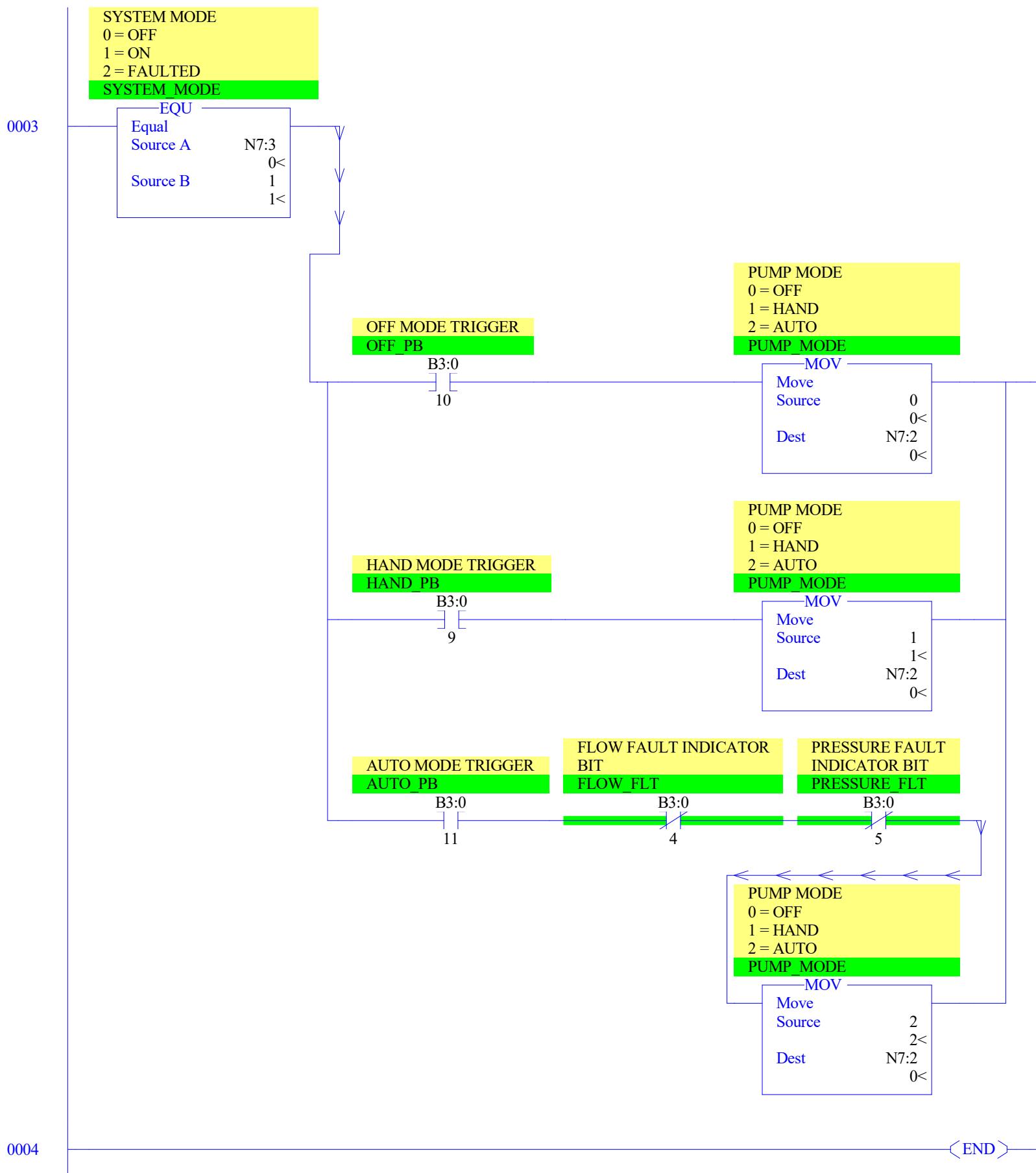












Data File 00 (bin) -- OUTPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
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O: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	Bul.1763	MicroLogix 1100 Series B
O:0.2	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	Bul.1763	MicroLogix 1100 Series B
O:1.0										0	0	0	0	0	0	1762-IQ8OW6 - 8-Input 10/30 VDC 6-Output (RLY)	
O:2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2 - Analog 2 Chan. Input, 2 Chan. O	
O:2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2 - Analog 2 Chan. Input, 2 Chan. O	

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	Bul.1763	MicroLogix 1100 Series B
I:0.1	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	Bul.1763	MicroLogix 1100 Series B
I:0.3	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	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	Bul.1763	MicroLogix 1100 Series B-Analog
I:1.0																1762-IQ8OW6	- 8-Input 10/30 VDC 6-Output (RLY)
I:2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2	- Analog 2 Chan. Input, 2 Chan. O
I:2.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2	- Analog 2 Chan. Input, 2 Chan. O
I:2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2	- Analog 2 Chan. Input, 2 Chan. O
I:2.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2	- Analog 2 Chan. Input, 2 Chan. O
I:2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2	- Analog 2 Chan. Input, 2 Chan. O
I:2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1762-IF2OF2	- Analog 2 Chan. Input, 2 Chan. O

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		
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	30	0	PUMP ON TIMER	
T4:1	0	0	0	1.0 sec	10	0	PUMP OFF TIMER	
T4:2	0	0	0	1.0 sec	5	0	FLOW FAULT DELAY TIMER	
T4:3	0	0	0	1.0 sec	5	0	PRESSURE FAULT DELAY 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	8192	0	0	0	0					

Offset	0	1	2	3	4
F8:0	0				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev.	Code	ABV
B3:0/0	FLOW_SW	Global	FLOW SWITCH INPUT BIT				
B3:0/1	ALARM_RESET	Global	ALARM RESET INPUT BIT				
B3:0/2	ALARM_SILENCE	Global	ALARM SILENCE INPUT BIT				
B3:0/3	PUMP	Global	PUMP OUTPUT BIT				
B3:0/4	FLOW_FLT	Global	FLOW FAULT INDICATOR BIT				
B3:0/5	PRESSURE_FLT	Global	PRESSURE FAULT INDICATOR BIT				
B3:0/6			HAND PUSHBUTTON				
B3:0/7			OFF PUSHBUTTON				
B3:0/8			AUTO PUSHBUTTON				
B3:0/9	HAND_PB	Global	HAND MODE TRIGGER				
B3:0/10	OFF_PB	Global	OFF MODE TRIGGER				
B3:0/11	AUTO_PB	Global	AUTO MODE TRIGGER				
B3:1/0			ONS				
B3:1/1			FLOW FAULT INDICATOR TRIGGER				
B3:1/2			ONS				
B3:1/3			ONS				
B3:1/4			ONS				
B3:1/5			PRESSURE FAULT INDICATOR TRIGGER				
B3:1/6			ONS				
I:1/0			FLOW SWITCH INPUT				
I:1/1			ALARM RESET BUTTON INPUT				
I:1/2			ALARM SILENCE BUTTON INPUT				
N7:0			PRESSURE SENSOR INPUT FOR SIMULATION				
N7:1	PRESSURE	Global	PRESSURE SCALED 0 - 55 PSI				
N7:2	PUMP_MODE	Global	PUMP MODE 0 = OFF 1 = HAND 2 = AUTO				
N7:3	SYSTEM_MODE	Global	SYSTEM MODE 0 = OFF 1 = ON 2 = FAULTED				
N7:4			PUMP PREVIOUS MODE				
O:1/0			PUMP OUTPUT				
O:1/1			FLOW FAULT INDICATOR OUTPUT				
O:1/2			PRESSURE FAULT INDICATOR OUTPUT				
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:0/15							
S:1			S:1 Processor Mode Status/ Control				
S:1/0			S:1 Processor Mode Bit 0				
S:1/1			S:1 Processor Mode Bit 1				
S:1/2			S:1 Processor Mode Bit 2				
S:1/3			S:1 Processor Mode Bit 3				
S:1/4			S:1 Processor Mode Bit 4				
S:1/5			S:1 Forces Enabled				
S:1/6			S:1 Forces Present				
S:1/7			S:1 Comms Active				
S:1/8			S:1 Fault Override at Powerup				
S:1/9			S:1 Startup Protection Fault				
S:1/10			S:1 Load Memory Module on Memory Error				
S:1/11			S:1 Load Memory Module Always				
S:1/12			S:1 Load Memory Module and RUN				
S:1/13			S:1 Major Error Halted				
S:1/14			S:1 Access Denied				
S:1/15			S:1 First Pass				
S:2/0			S:2 STI Pending				
S:2/1			S:2 STI Enabled				
S:2/2			S:2 STI Executing				
S:2/3			S:2 Index Addressing File Range				
S:2/4			S:2 Saved with Debug Single Step				
S:2/5			S:2 DH-485 Incoming Command Pending				
S:2/6			S:2 DH-485 Message Reply Pending				
S:2/7			S:2 DH-485 Outgoing Message Command Pending				
S:2/15			S:2 Comms Servicing Selection				
S:3			S:3 Current Scan Time/ Watchdog Scan Time				
S:4			S:4 Time Base				
S:5/0			S:5/0 Overflow Trap				
S:5/2			S:5/2 Control Register Error				
S:5/3			S:5/3 Major Err Detected Executing UserFault Routine				
S:5/4			S:5/4 M0-M1 Referenced on Disabled Slot				
S:5/8			S:5/8 Memory Module Boot				
S:5/9			S:5/9 Memory Module Password Mismatch				
S:5/10			S:5/10 STI Overflow				
S:5/11			S:5/11 Battery Low				
S:6			S:6 Major Error Fault Code				
S:7			S:7 Suspend Code				
S:8			S:8 Suspend File				
S:9			S:9 Active Nodes				
S:10			S:10 Active Nodes				
S:11			S:11 I/O Slot Enables				
S:12			S:12 I/O Slot Enables				
S:13			S:13 Math Register				
S:14			S:14 Math Register				
S:15			S:15 Node Address/ Baud Rate				
S:15/0							
S:16			S:16 Debug Single Step Rung				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev.	Code	ABV
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				
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				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev.	Code	ABV
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			PUMP ON TIMER				
T4:0/DN							
T4:1			PUMP OFF TIMER				
T4:1/DN							
T4:2			FLOW FAULT DELAY TIMER				
T4:2/DN							
T4:3			PRESSURE FAULT DELAY TIMER				
T4:3/DN							
U:3			I/O				
U:4			CYCLE				
U:5			ALARMS				
U:6			CONTROL				

Instruction Comment Database

Address	Instruction	Description
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Group_Name Description