

RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 276 Instruction Words Used - 97 Data Table Words Used

Total Memory Left: 6380 Instruction Words Left

Program Files: 6

Data Files: 9

Program ID: bf3

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:

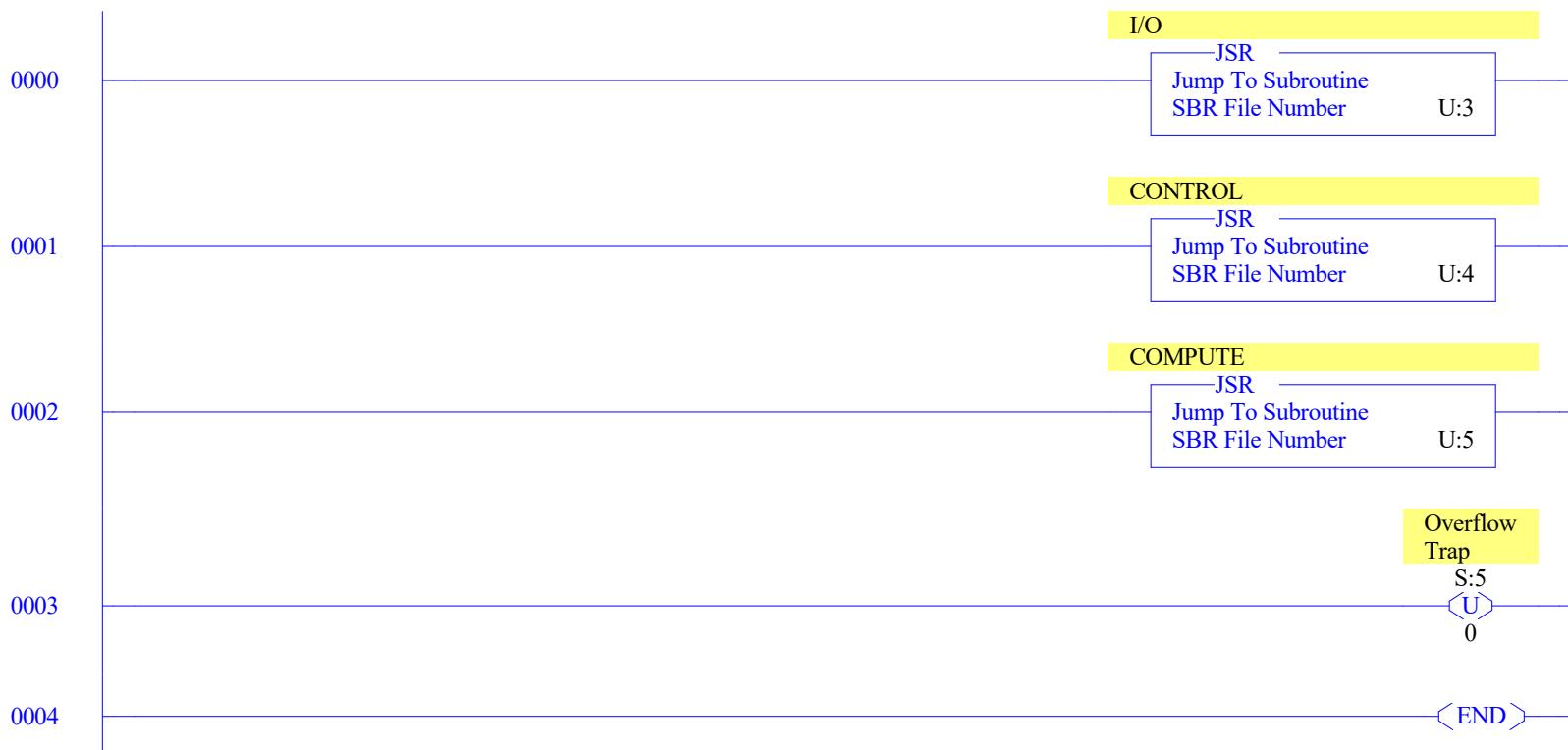
Program File List

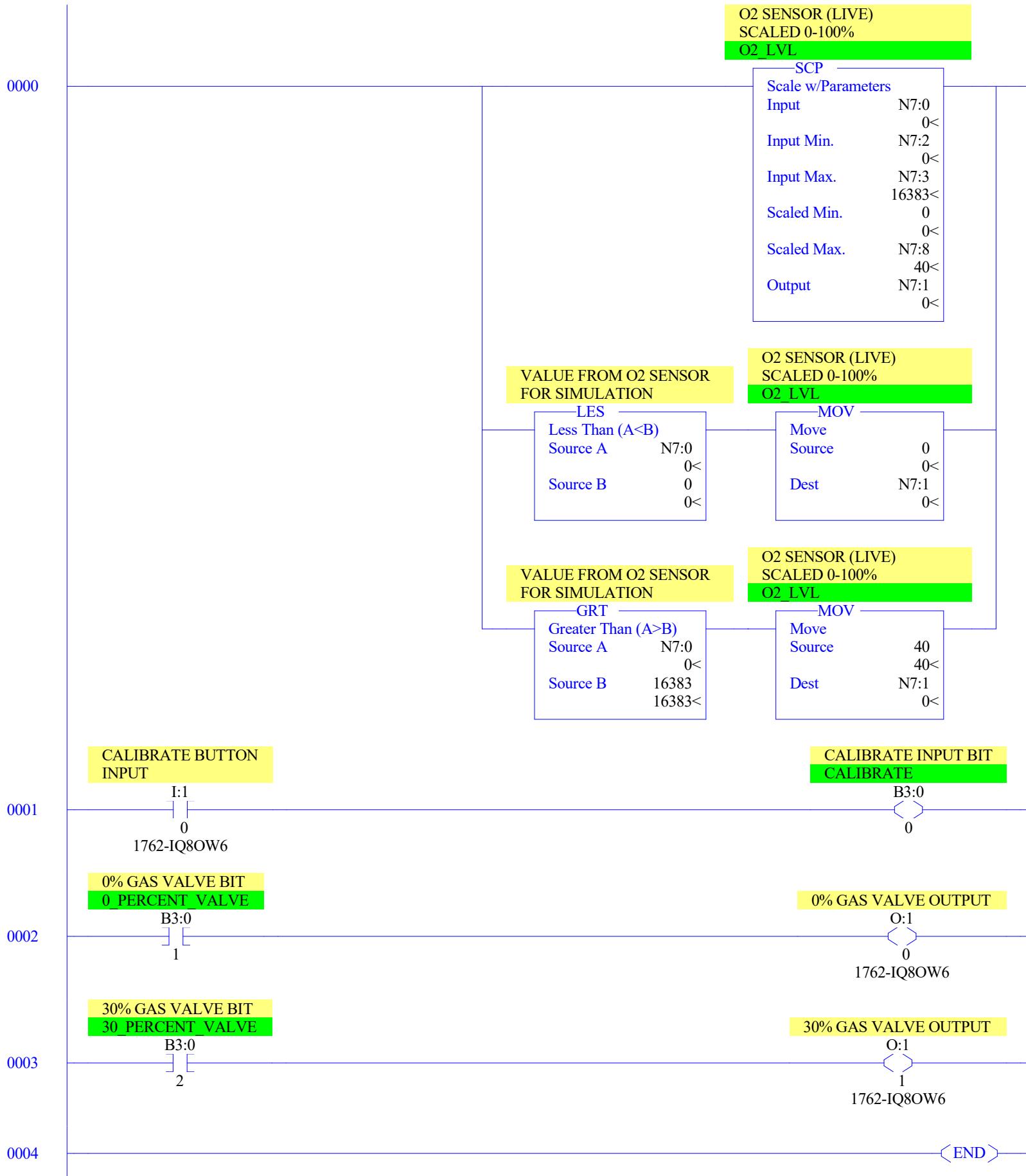
Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	5	No	39
I/O	3	LADDER	5	No	150
CONTROL	4	LADDER	9	No	300
COMPUTE	5	LADDER	7	No	444

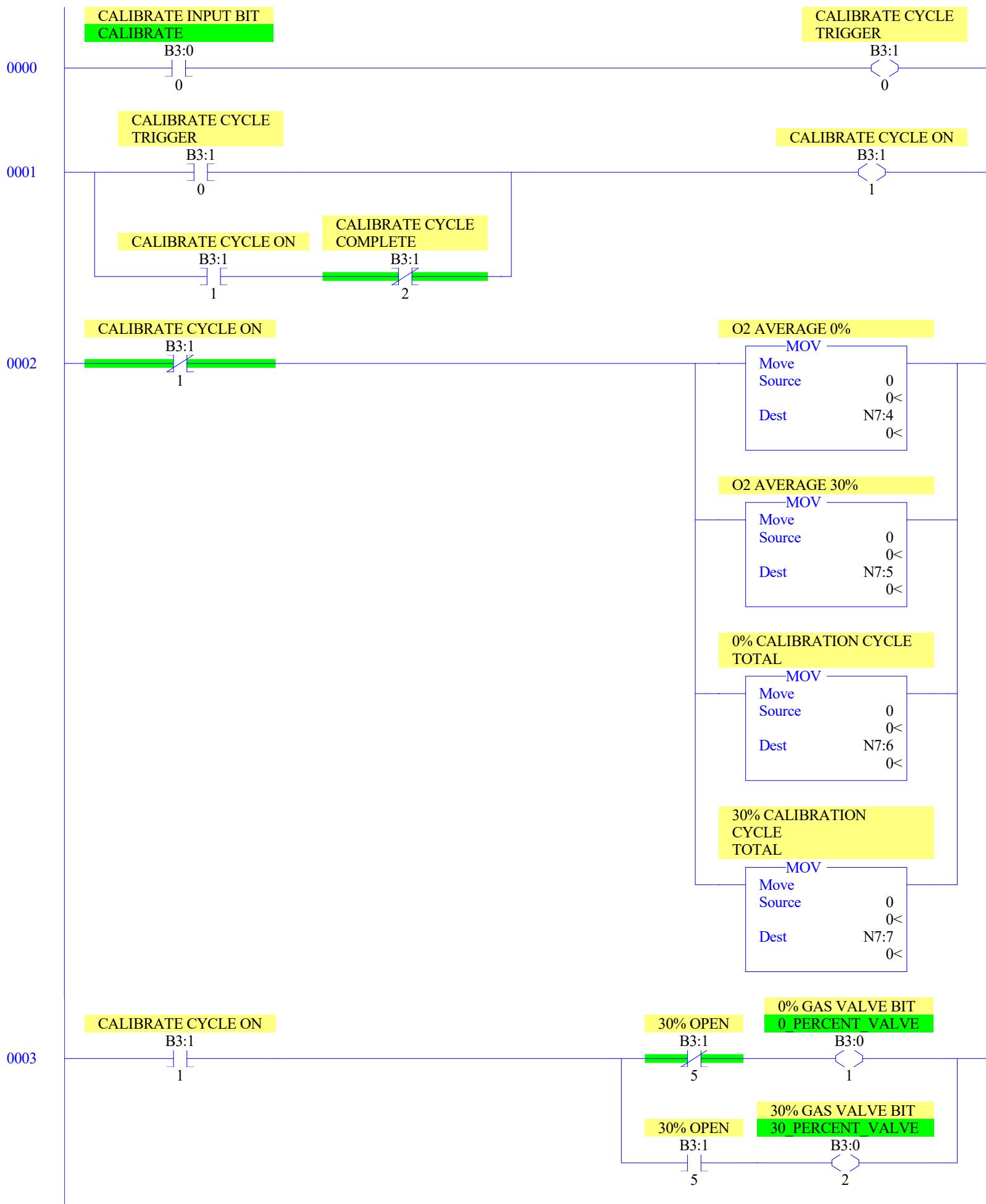
Data File List

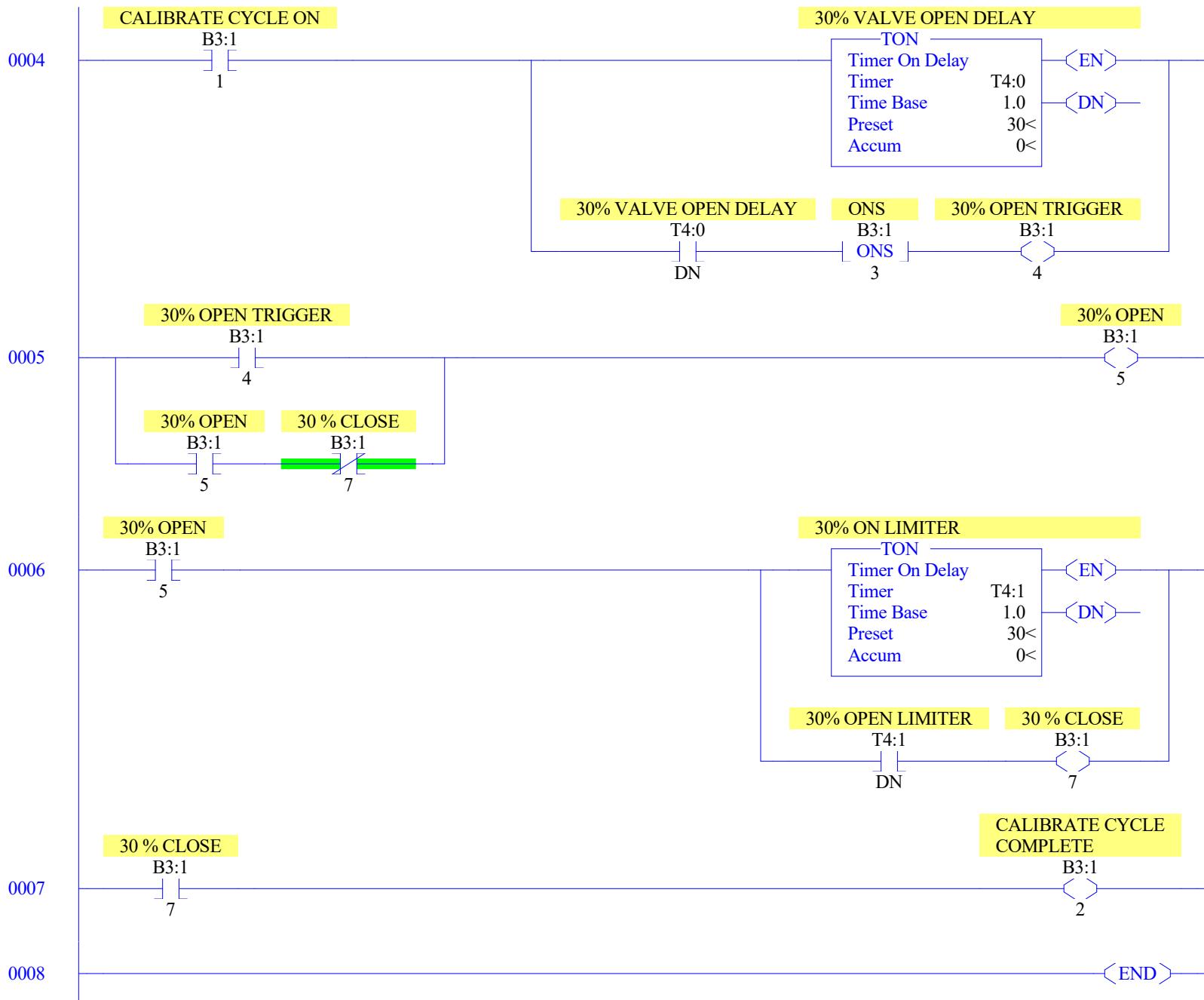
Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	21	7	O:6
INPUT	1	I	Global	No	39	13	I:12
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	3	3	B3:2
TIMER	4	T	Global	No	12	4	T4:3
COUNTER	5	C	Global	No	6	2	C5:1
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	11	11	N7:10
FLOAT	8	F	Global	No	2	1	F8:0

LAD 2 - MAIN --- Total Rungs in File = 5

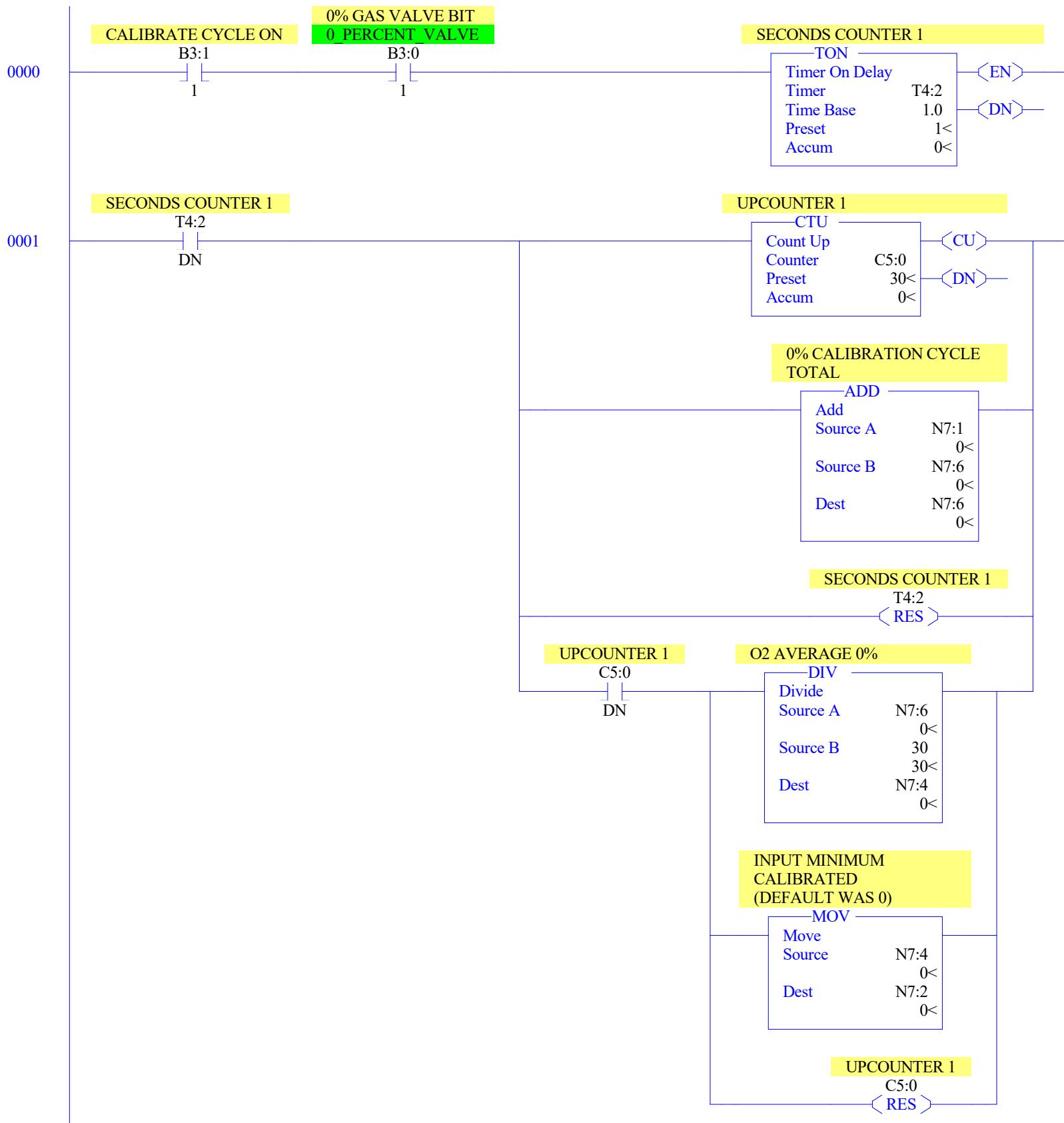


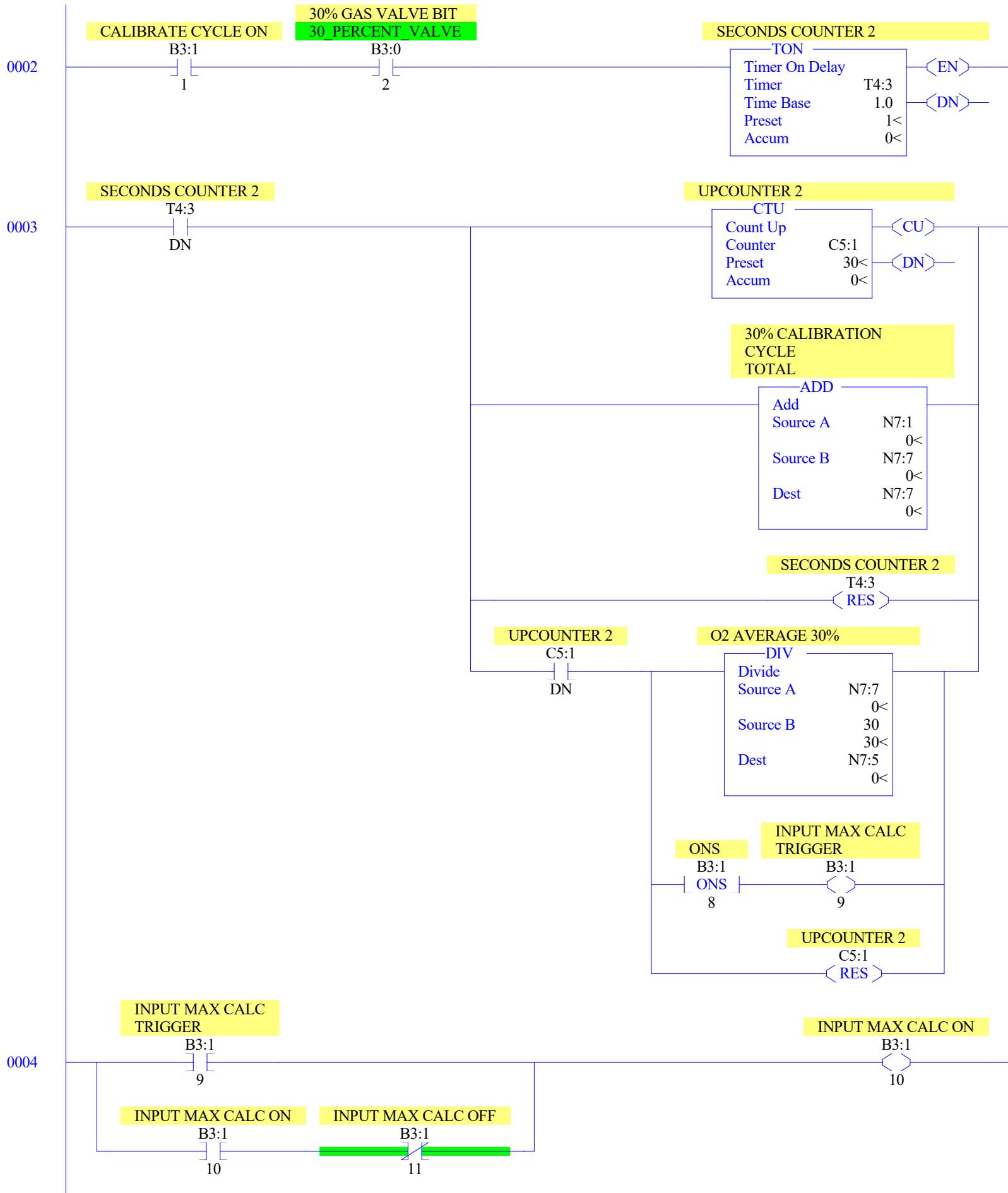


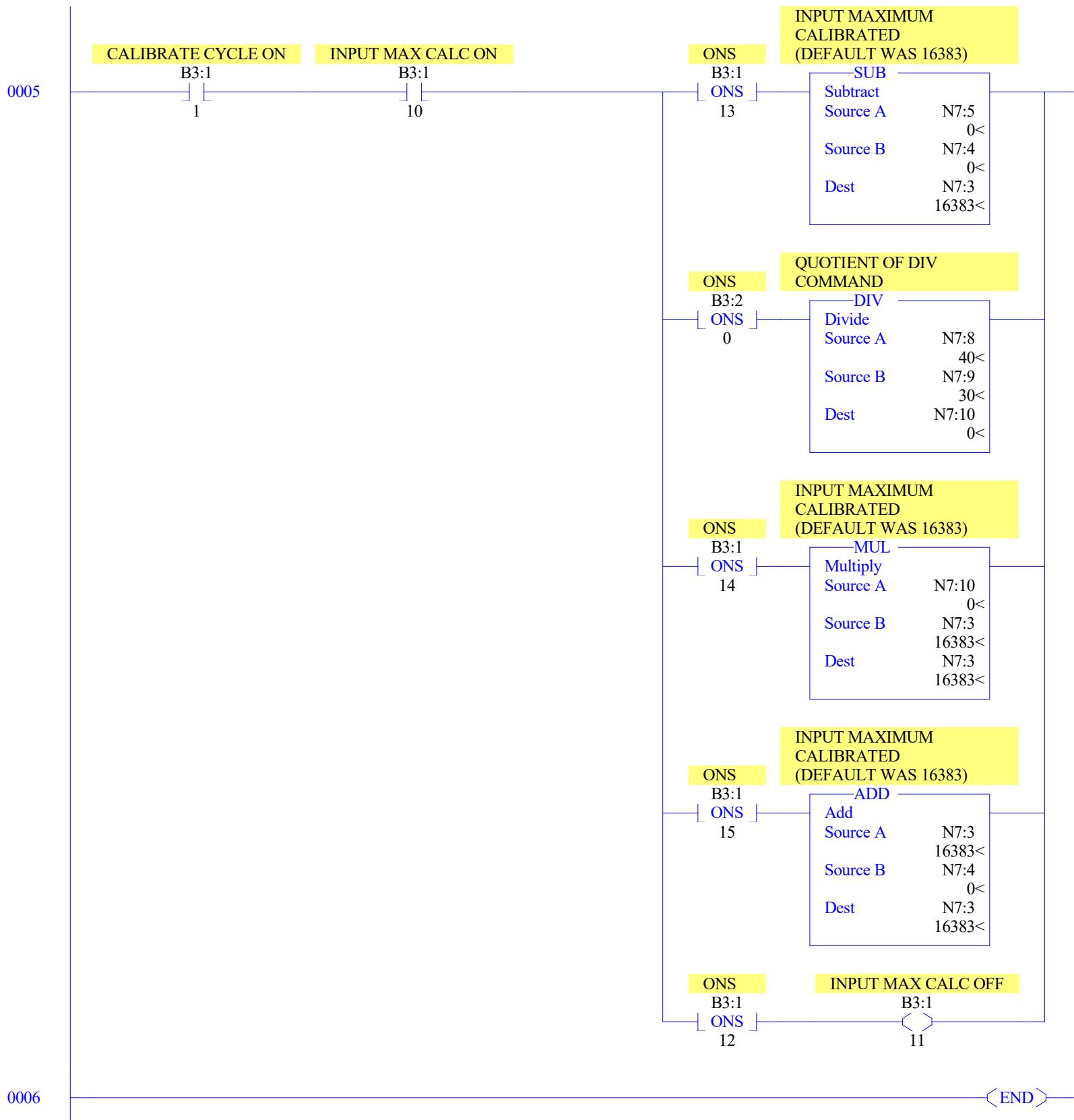




LAD 5 - COMPUTE --- Total Rungs in File = 7







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		
B3:2	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	30%	VALVE OPEN DELAY
T4:1	0	0	0	1.0 sec	30	0	30%	ON LIMITER
T4:2	0	0	0	1.0 sec	1	0	SECONDS	COUNTER 1
T4:3	0	0	0	1.0 sec	1	0	SECONDS	COUNTER 2

Data File C5 -- COUNTER

Offset	CU	CD	DN	OV	UN	UA	PRE	ACC	(Symbol)	Description
C5:0	0	0	0	0	0	0	30	0	UPCOUNTER	1
C5:1	0	0	0	0	0	0	30	0	UPCOUNTER	2

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	16383	0	0	0	0	40	30
N7:10	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	CALIBRATE	Global	CALIBRATE INPUT BIT				
B3:0/1	0_PERCENT_VALVE	Global	0% GAS VALVE BIT				
B3:0/2	30_PERCENT_VALVE	Global	30% GAS VALVE BIT				
B3:0/5							
B3:0/6							
B3:0/7							
B3:1/0			CALIBRATE CYCLE TRIGGER				
B3:1/1			CALIBRATE CYCLE ON				
B3:1/2			CALIBRATE CYCLE COMPLETE				
B3:1/3			ONS				
B3:1/4			30% OPEN TRIGGER				
B3:1/5			30% OPEN				
B3:1/6			ONS				
B3:1/7			30 % CLOSE				
B3:1/8			ONS				
B3:1/9			INPUT MAX CALC TRIGGER				
B3:1/10			INPUT MAX CALC ON				
B3:1/11			INPUT MAX CALC OFF				
B3:1/12			ONS				
B3:1/13			ONS				
B3:1/14			ONS				
B3:1/15			ONS				
B3:2/0			ONS				
C5:0			UPCOUNTER 1				
C5:0/DN			UPCOUNTER 1				
C5:1			UPCOUNTER 2				
C5:1/DN			UPCOUNTER 2				
I:1/0			CALIBRATE BUTTON INPUT				
I:2/0			O2 SENSOR INPUT				
N7:0			VALUE FROM O2 SENSOR FOR SIMULATION				
N7:1	O2_LVL	Global	O2 SENSOR (LIVE) SCALED 0-100%				
N7:2			INPUT MINIMUM CALIBRATED (DEFAULT WAS 0)				
N7:3			INPUT MAXIMUM CALIBRATED (DEFAULT WAS 16383)				
N7:4			O2 AVERAGE 0%				
N7:5			O2 AVERAGE 30%				
N7:6			0% CALIBRATION CYCLE TOTAL				
N7:7			30% CALIBRATION CYCLE TOTAL				
N7:8	MAX_CONCENTRATION	Global	MAXIMUM PERMISSIBLE CONCENTRATION				
N7:9	CALI_GAS_CONC	Global	CALIBRATION GAS CONCENTRATION				
N7:10			QUOTIENT OF DIV COMMAND				
O:1/0			0% GAS VALVE OUTPUT				
O:1/1			30% GAS VALVE 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:0/5							
S:0/15							
S:1							
S:1/0			Processor Mode Status/ Control				
S:1/1			Processor Mode Bit 0				
S:1/2			Processor Mode Bit 1				
S:1/3			Processor Mode Bit 2				
S:1/4			Processor Mode Bit 3				
S:1/5			Processor Mode Bit 4				
S:1/6			Forces Enabled				
S:1/7			Forces Present				
S:1/8			Comms Active				
S:1/9			Fault Override at Powerup				
S:1/10			Startup Protection Fault				
S:1/11			Load Memory Module on Memory Error				
S:1/12			Load Memory Module Always				
S:1/13			Load Memory Module and RUN				
S:1/14			Major Error Halted				
S:1/15			Access Denied				
S:2/0			First Pass				
S:2/1			STI Pending				
S:2/2			STI Enabled				
S:2/3			STI Executing				
S:2/4			Index Addressing File Range				
S:2/5			Saved with Debug Single Step				
S:2/6			DH-485 Incoming Command Pending				
S:2/7			DH-485 Message Reply Pending				
S:2/15			DH-485 Outgoing Message Command Pending				
S:3			Comms Servicing Selection				
S:4			Current Scan Time/ Watchdog Scan Time				
S:5/0			Time Base				
S:5/2			Overflow Trap				
S:5/3			Control Register Error				
S:5/4			Major Err Detected Executing UserFault Routine				
S:5/8			M0-M1 Referenced on Disabled Slot				
S:5/9			Memory Module Boot				
S:5/10			Memory Module Password Mismatch				
			STI Overflow				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev.	Code	ABV
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,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				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev.	Code	ABV
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			Channel 0 Active Nodes				
S:84			DH+ Active Nodes				
S:85			DH+ Active Nodes				
S:86			DH+ Active Nodes				
T4:0			DH+ Active Nodes				
T4:0/DN			30% VALVE OPEN DELAY				
T4:1			30% VALVE OPEN DELAY				
T4:1/DN			30% ON LIMITER				
T4:2			30% OPEN LIMITER				
T4:2/DN			SECONDS COUNTER 1				
T4:3			SECONDS COUNTER 1				
T4:3/DN			SECONDS COUNTER 2				
U:3			SECONDS COUNTER 2				
U:4			I/O				
U:5			CONTROL				
			COMPUTE				

Instruction Comment Database

Address Instruction Description

Group_Name Description