RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: SIM PLC

Total Memory Used: 223 Instruction Words Used - 79 Data Table Words Used

Total Memory Left: 6433 Instruction Words Left

Program Files: 6

Data Files: 9

Program ID: aaf4

I/O Configuration

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
  IP Address: 0.0.0.0
  Subnet Mask: 0.0.0.0
  Gateway Address: 0.0.0.0
  Msg Connection Timeout (x 1mS):
  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

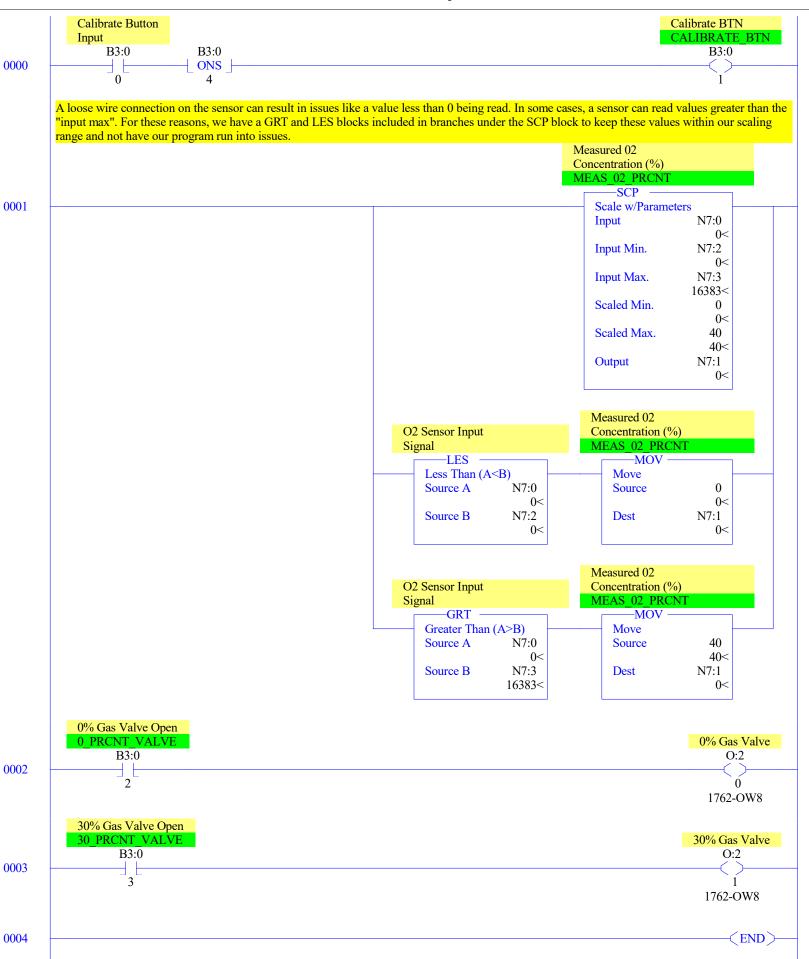
Name	Number	Туре	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	4	No	30
IO	3	LADDER	5	No	157
CALIBRATE	4	LADDER	12	No	419
GAS VALVES	5	LADDER	3	No	47

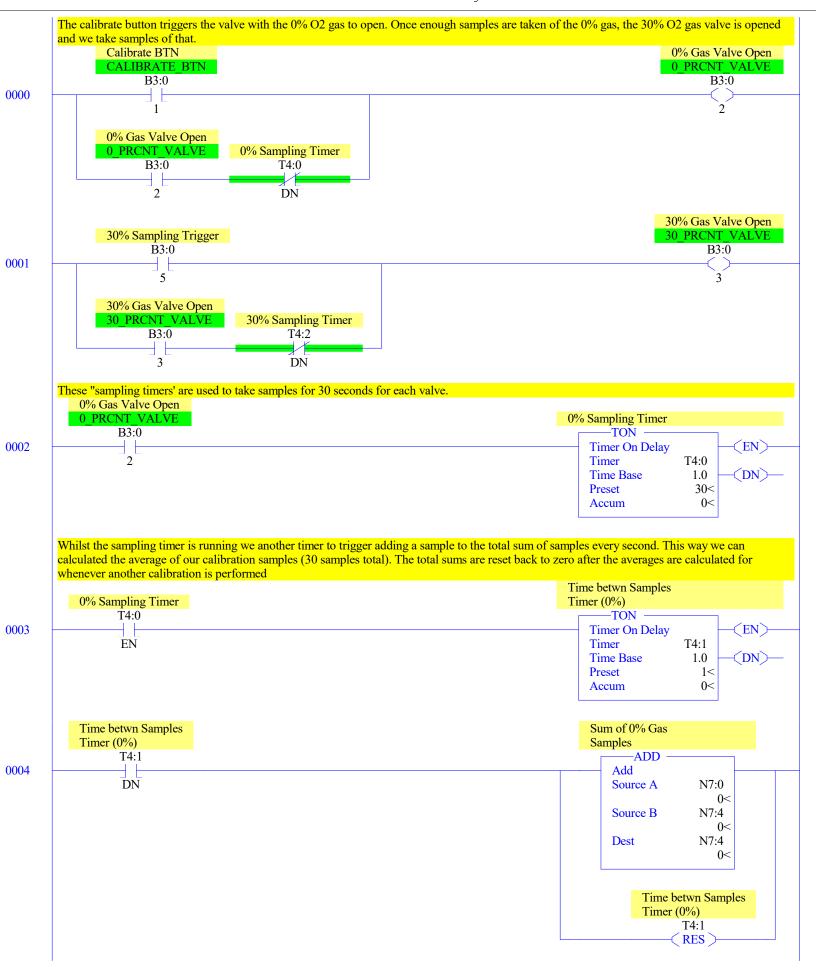
Data File List

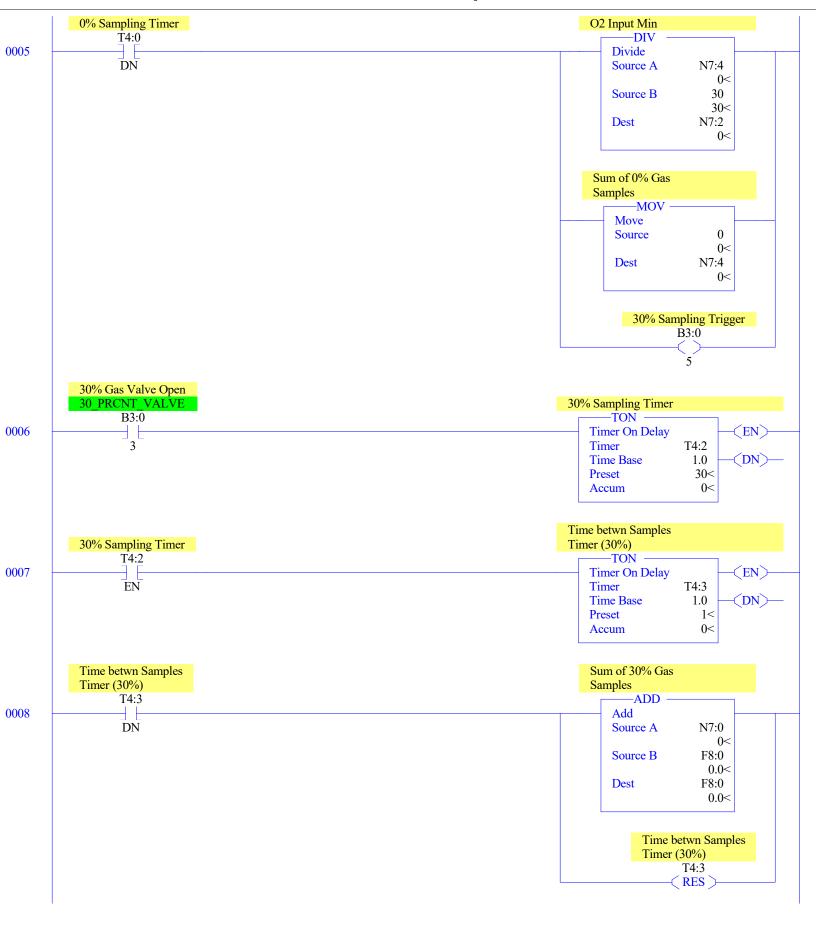
Name	Number	Type	Scope	Debug	Words	Elements	Last		
OUTPUT	0	0	Global	No	15	5	O:4		
NPUT	1	I	Global	No	21	7	I:6		
STATUS	2	S	Global	No	0	66	S:65		
BINARY	3	В	Global	No	1	1	B3:0		
ΓIMER	4	T	Global	No	12	4	T4:3		
COUNTER	5	C	Global	No	3	1	C5:0		
CONTROL	6	R	Global	No	3	1	R6:0		
NTEGER	7	N	Global	No	14	14	N7:13		
FLOAT	8	F	Global	No	10	5	F8:4		

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



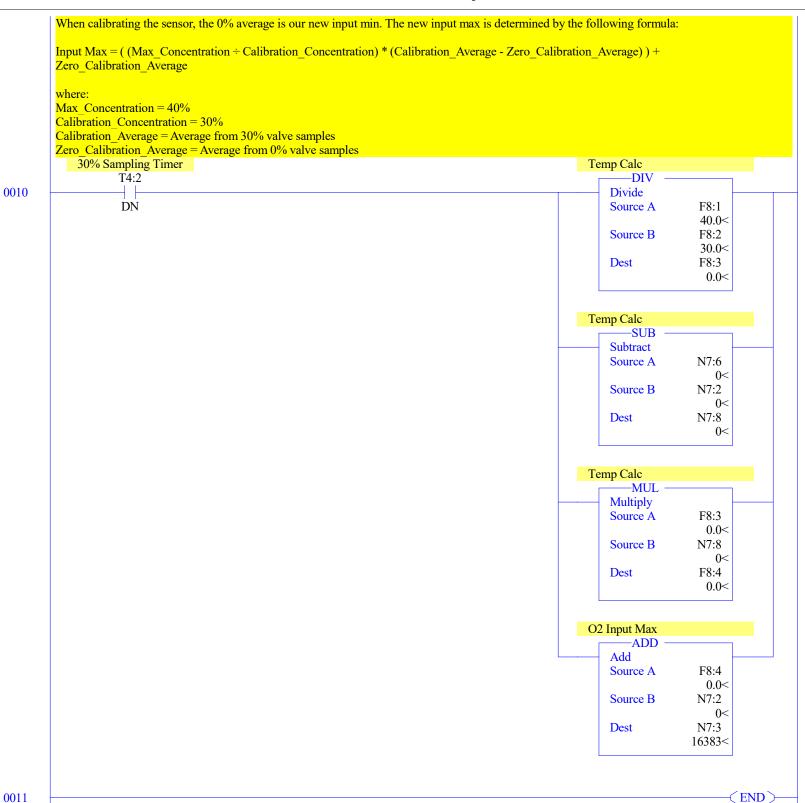


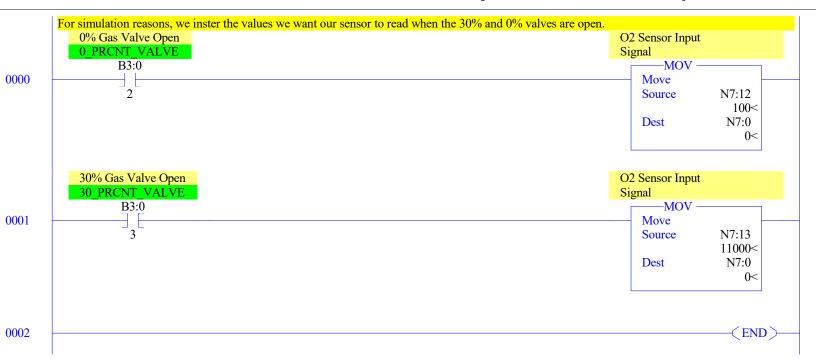




LAD 4 - CALIBRATE --- Total Rungs in File = 12







Data File OO (bin) -- OUTPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
0:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:2.0									0	0	0	0	0	0	0	0	1762-OW8 -	8-Output Relay

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	
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
I:1.0									0	0	0	0	0	0	0	0	1762-IQ8 - 8-Input 10/30 VDC

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
                                        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 = 0Suspend 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
```

Data File S2 (hex) -- STATUS

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

Data File T4 -- TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol) Description
T4:0	0	0	0	1.0 sec	30	0	0% Sampling Timer
T4:1	0	0	0	1.0 sec	1	0	Time betwn Samples Timer (0%)
T4:2	0	0	0	1.0 sec	30	0	30% Sampling Timer
т4:3	0	0	0	1.0 sec	1	0	Time betwn Samples Timer (30%)
14.5	U	U	U	1.0 Sec	Τ.	U	Time becwir samples limet (50%)

Data File C5 -- COUNTER

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

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	0	0
	0									

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0	40	30	0	0

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
B3:0/0			Calibrate Button Input			
B3:0/1	CALIBRATE BTN	Global	Calibrate BTN			
B3:0/2	0 PRCNT VALVE	Global	0% Gas Valve Open			
B3:0/3	30 PRCNT VALVE		30% Gas Valve Open			
B3:0/4	00_1110111_1111111	010001	out out valve open			
B3:0/5			30% Sampling Trigger			
B3:0/6			oov bampiing lilygol			
B3:0/7						
B3:0/8						
B3:0/9						
36:0/6						
C5:0						
F8:0			Cum of 20% Cas Camples			
F8:1			Sum of 30% Gas Samples			
F8:2			Max Concentration			
			Calibration Concentration			
F8:3			Temp Calc			
F8:4			Temp Calc			
N7:0	MEAG OO DDGNE	C1 -1 1	02 Sensor Input Signal			
N7:1	MEAS_02_PRCNT	Global	Measured 02 Concentration (%)			
N7:2			O2 Input Min			
17:3			O2 Input Max			
N7:4			Sum of 0% Gas Samples			
N7:5						
N7:6			30% Gas Test Average			
N7:7						
N7:8			Temp Calc			
N7:9						
N7:10						
N7:11						
N7:12			Custom 0% O2 Sensor Reading			
N7:13			Custom 30% O2 Sensor Reading			
0:2/0			0% Gas Valve			
0:2/1			30% Gas Valve			
S:0						
S:0/0			Arithmetic Flags			
			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 Emabled STI Executing			
s:2/2			Index Addressing File Range			
S:2/3 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			
			Active Nodes			
S:10			I/O Slot Enables			
S:10 S:11						
3:10 3:11 3:12			I/O Slot Enables			
S:10 S:11 S:12 S:13			I/O Slot Enables Math Register			
			I/O Slot Enables			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
S:16 S:17 S:18			Debug Single Step Rung Debug Single Step File Debug Single Step Breakpoint Rung			
S:19 S:20			Debug Single Step Breakpoint File Debug Fault/ Powerdown Rung			
S:21 S:22			Debug Fault/ Powerdown File Maximum Observed Scan Time			
S:23 S:24			Average Scan Time Index Register			
S:25 S:26			I/O Interrupt Pending I/O Interrupt Pending			
S:27 S:28			I/O Interrupt Enabled I/O Interrupt Enabled			
S:29 S:30 S:31			User Fault Routine File Number STI Setpoint STI File Number			
S:32 S:33			I/O Interrupt Executing Extended Proc Status Control Word			
s:33/0			Incoming Command Pending			
S:33/1 S:33/2			Message Reply Pending Outgoing Message Command Pending			
s:33/3 s:33/4			Selection Status User/DF1 Communicat Active			
S:33/5 S:33/6			Communicat Servicing Selection Message Servicing Selection Channel 0			
S:33/7 S:33/8			Message Servicing Selection Channel 1 Interrupt Latency Control Flag			
S:33/9 S:33/10			Scan Toggle Flag Discrete Input Interrupt Reconfigur Flag			
S:33/11 S:33/12			Online Edit Status Online Edit Status			
S:33/13 S:33/14			Scan Time Timebase Selection DTR Control Bit			
S:33/15 S:34			DTR Force Bit			
S:34/0			Pass-thru Disabled Pass-Thru Disabled Flag			
S:34/1 S:34/2			DH+ Active Node Table Enable Flag Floating Point Math Flag Disable,Fl			
S:35 S:36			Last 1 ms Scan Time Extended Minor Error Bits			
s:36/8 s:36/9			DII Lost STI Lost			
S:36/10 S:37 S:38			Memory Module Data File Overwrite Protection Clock Calendar Year Clock Calendar Month			
S:39 S:40			Clock Calendar Day Clock Calendar Hours			
S:41 S:42			Clock Calendar Minutes Clock Calendar Seconds			
S:43 S:44			STI Interrupt Time			
S:45			I/O Event Interrupt Time DII Interrupt Time			
S:46 S:47			Discrete Input Interrupt- File Number Discrete Input Interrupt- Slot Number			
S:48 S:49			Discrete Input Interrupt- Bit Mask Discrete Input Interrupt- Compare Value			
S:50 S:51			Processor Catalog Number Discrete Input Interrupt- Return Number			
S:52 S:53			Discrete Input Interrupt- Accumulat Reserved/ Clock Calendar Day of the Week			
S:55 S:56			Last DII Scan Time Maximum Observed DII Scan Time			
s:57 s:58			Operating System Catalog Number Operating System Series			
S:59 S:61			Operating System FRN Processor Series			
S:62 S:63			Processor Revision User Program Type			
S:64 S:65			User Program Functional Index User RAM Size			
S:66 S:67			Flash EEPROM Size Channel 0 Active Nodes			
S:68 S:69			Channel 0 Active Nodes Channel 0 Active Nodes			
S:70			Channel O Active Nodes			
S:71 S:72			Channel O Active Nodes Channel O Active Nodes			
S:73 S:74			Channel O Active Nodes Channel O Active Nodes			
s:75 s:76			Channel O Active Nodes Channel O Active Nodes			
S:77 S:78			Channel O Active Nodes Channel O Active Nodes			
s:79			Channel 0 Active Nodes			

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code ABV	
S:80			Channel O Active Nodes			
S:81			Channel O Active Nodes			
S:82			Channel O Active Nodes			
S:83			DH+ Active Nodes			
S:84			DH+ Active Nodes			
S:85			DH+ Active Nodes			
S:86			DH+ Active Nodes			
T4:0			0% Sampling Timer			
T4:0/DN			1 3			
T4:0/EN						
T4:1			Time betwn Samples Timer (0%)			
T4:1/DN			•			
T4:2			30% Sampling Timer			
T4:2/0			1 3			
T4:2/DN						
T4:2/EN						
T4:3			Time betwn Samples Timer (30%)			
T4:3/DN			<u> </u>			
U:3			IO			
U:4			Calibrate			
U:5			Gas Valves			

Instruction Comment Database

Address Instruction Description

Group_Name Description