# RSLogix Micro Project Report



#### Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: SIM PLC

Total Memory Used: 175 Instruction Words Used - 51 Data Table Words Used

Total Memory Left: 6481 Instruction Words Left

Program Files: 5

Data Files: 9

Program ID: ea40

### I/O Configuration

Bul.1763

MicroLogix 1100 Series B

#### 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):
  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:

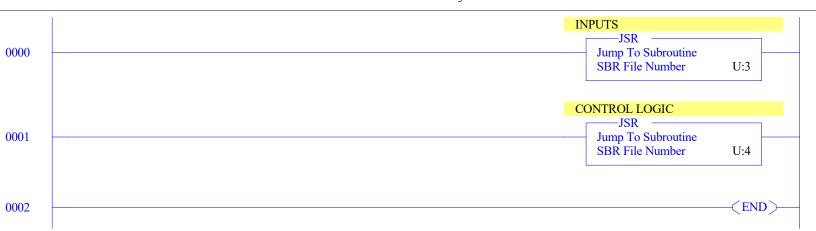
### Program File List

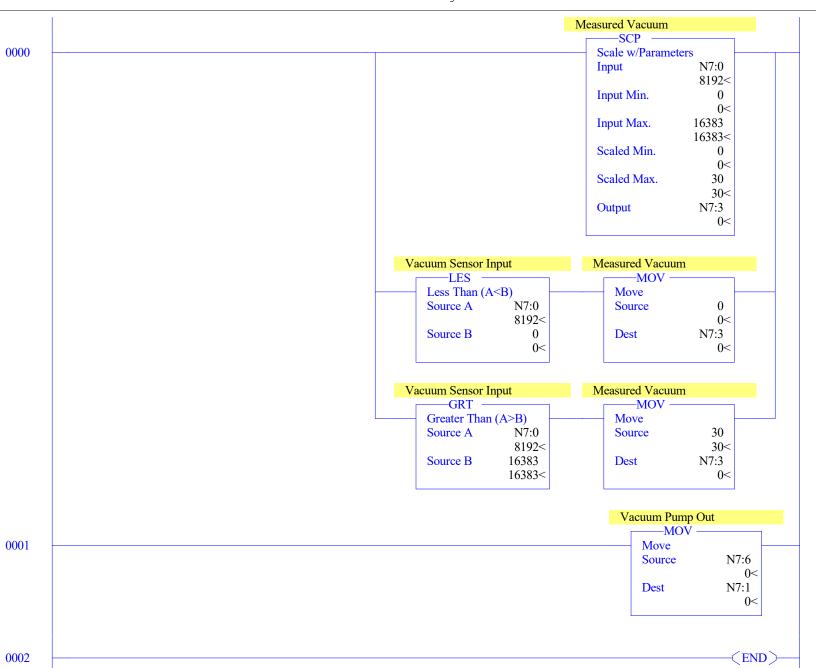
Name	Number	Туре	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	3	No	21
IO	3	LADDER	3	No	117
CTRL LOGIC	4	LADDER	10	No	372

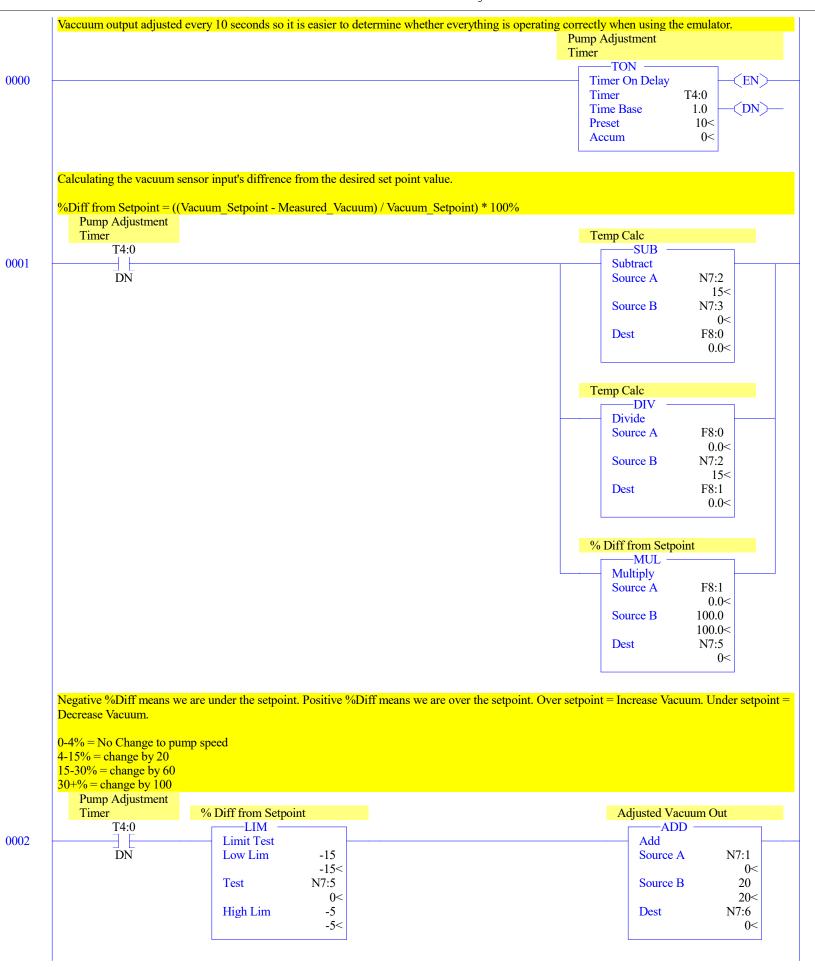
Data File List

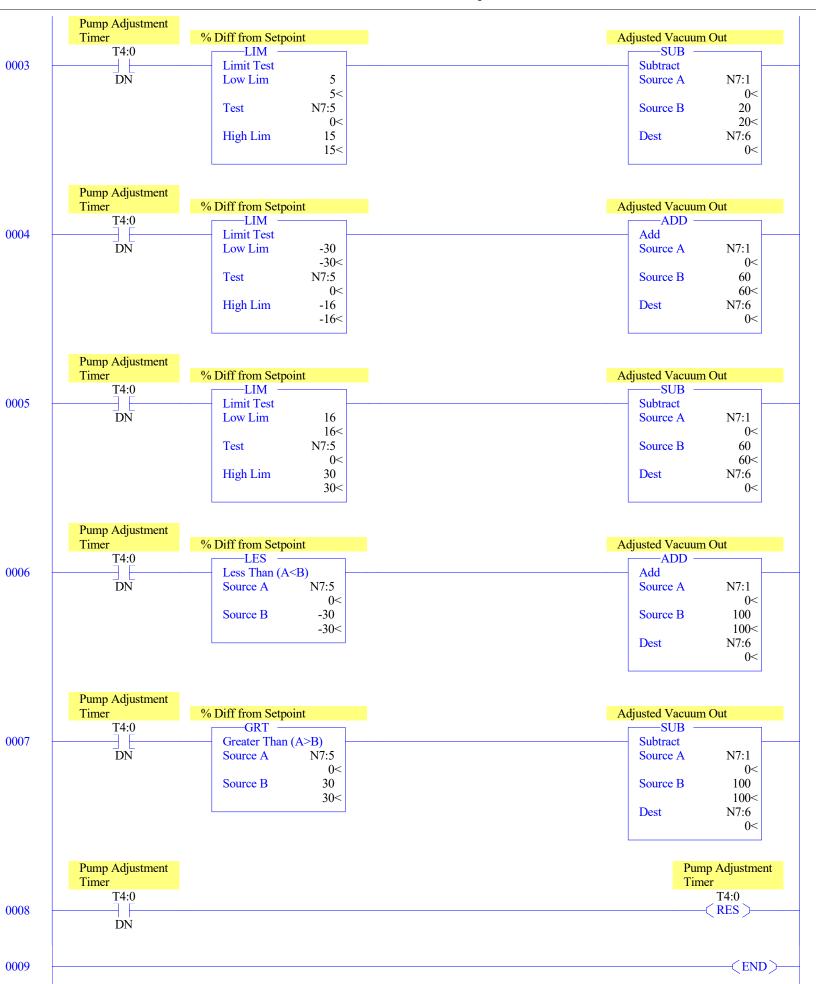
Name	Number	Туре	Scope	Debug	Words	Elements	Last
OUTPUT	0	О	Global	No	12	4	O:3
INPUT	1	I	Global	No	18	6	I:5
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	В	Global	No	1	1	B3:0
TIMER	4	T	Global	No	3	1	T4:0
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	7	7	N7:6
FLOAT	8	F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

#### LAD 2 - MAIN --- Total Rungs in File = 3









Data File OO (bin) -- OUTPUT

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	Bul.1763	MicroLogix 1100 Series B
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
	0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	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     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0 <t< td=""><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Bul.1763 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Bul.1763 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Bul.1763</td></t<>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Bul.1763 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Bul.1763 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Bul.1763

### 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
T:0.5	0	0	Ο	0	Ο	Ο	Ω	Ω	Ω	0	Ω	Ω	Ο	Ο	Ο	Ο	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
                                        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
```

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Program Compare S:2/9 = 0

On Power up Go To Run (Mode Behavior) S:1/12 = 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

# Data File T4 -- TIMER

Offset	EN	ΤТ	DN	BASE	PRE	ACC	(Symbol) Description
T4:0	0	0	0	1.0 sec	10	0	Pump Adjustment 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

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

Data	File	Ν7	(dec)	 INTEGER

Offset 0 1 2 3 4 5 6 7 8 9
N7:0 8192 0 15 0 0 0

# Data File F8 -- FLOAT

Offset 0 1 2 3 4
F8:0 0 0

### Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev.	Code	ABV	BLW
B3:0/0								
F8:0			Temp Calc					
F8:1			Temp Calc					
N7:0			Vacuum Sensor Input					
N7:1			Vacuum Pump Out					
N7:2			Vacuum Setpoint					
N7:3			Measured Vacuum					
N7:4			Temp Calc					
N7:5			% Diff from Setpoint					
N7:6 S:0			Adjusted Vacuum Out Arithmetic Flags					
S:0/0			Processor Arithmetic Carry Flag					
S:0/0 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 S:1/6			Forces Enabled 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 S:2/3			STI Executing					
S:2/4			Index Addressing File Range 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 S:5/4			Major Err Detected Executing UserFault Routine					
S:5/8			M0-M1 Referenced on Disabled Slot 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 S:12			I/O Slot Enables 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 S:23			Maximum Observed Scan Time 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 S:33/2			Message Reply Pending Outgoing Message Command Pending					
S:33/2 S:33/3			Outgoing Message Command Pending Selection Status User/DF1					
s:33/4			Communicat Active					
1			11					

### Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV	BLW
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 S:33/14			Scan Time Timebase Selection DTR Control Bit				
S:33/14 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 S:36/10			STI Lost				
S:37			Memory Module Data File Overwrite Protection 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 S:43			Clock Calendar Seconds				
S:44			STI Interrupt Time 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 S:50			Discrete Input Interrupt- Compare Value 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 S:59			Operating System Series 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 S:67			Flash EEPROM Size Channel O Active Nodes				
S:68			Channel O Active Nodes				
S:69			Channel O Active Nodes				
S:70			Channel O Active Nodes				
S:71			Channel O Active Nodes				
S:72			Channel O Active Nodes				
S:73 S:74			Channel 0 Active Nodes Channel 0 Active Nodes				
s:75			Channel O Active Nodes				
S:76			Channel O Active Nodes				
S:77			Channel O Active Nodes				
S:78			Channel O Active Nodes				
S:79 S:80			Channel 0 Active Nodes Channel 0 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 T4:0/DN			Pump Adjustment Timer				
U:3			INPUTS				
U:4			CONTROL LOGIC				

Address Instruction Description

Group\_Name Description