# RSLogix Micro Project Report



### Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: \*

Total Memory Left: \*

Program Files: 3

Data Files: 9

Program ID: 0

## I/O Configuration

)		
1		
2		
3		
1		

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:

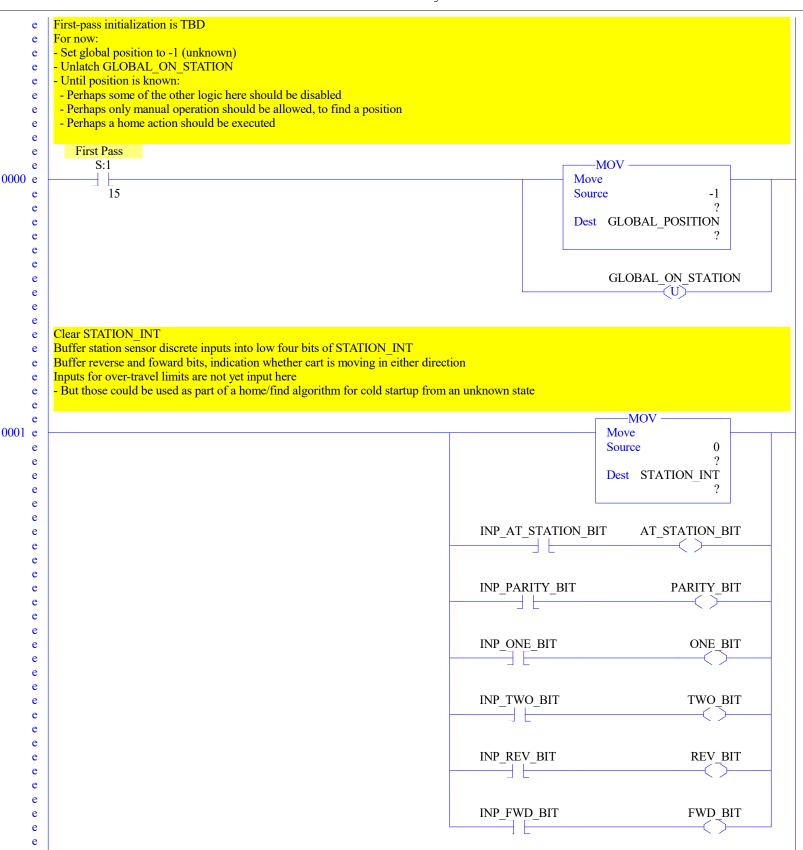
## Program File List

Name	Number	Type	Rungs	Debug	Bytes	
[SYSTEM]	0	SYS	0	No	0	
-	1	SYS	0	No	0	
	2	LADDER	11	No	501	

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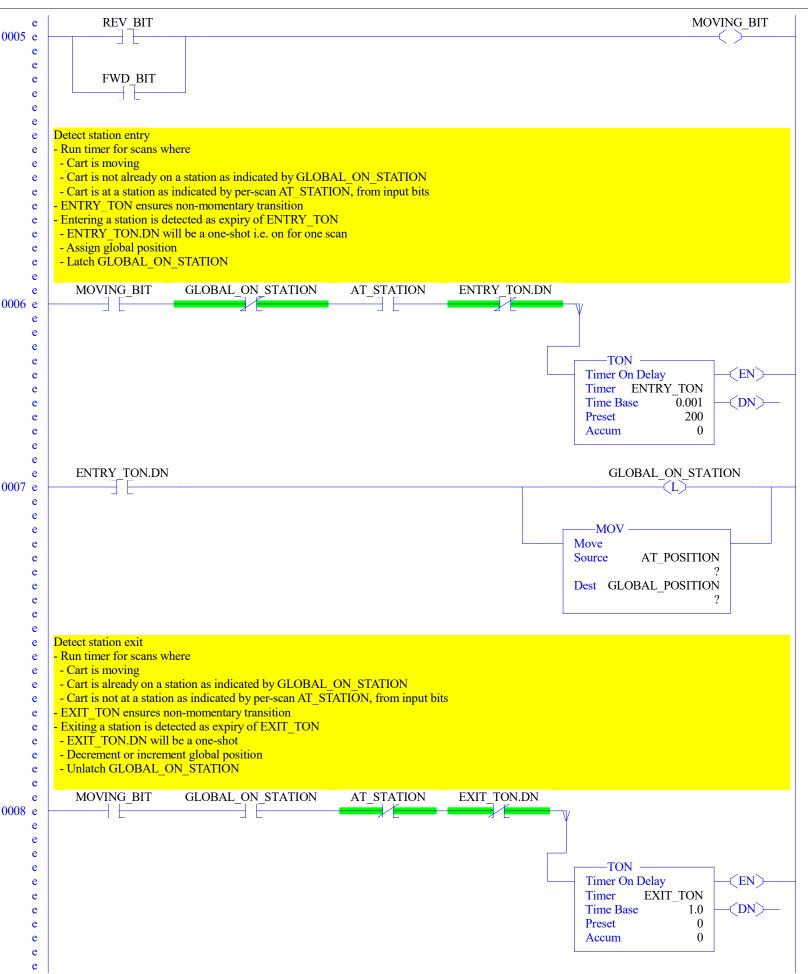
Data File List

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	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	1	1	N7:0
FLOAT	8	F	Global	No	2	1	F8:0

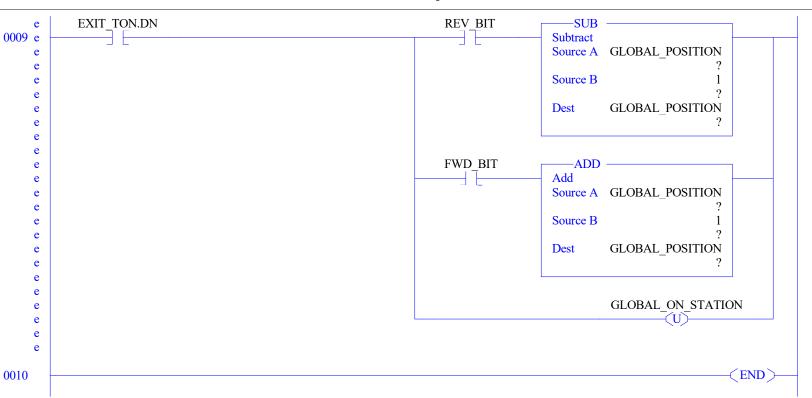


```
e
         At-station check
     e
     e
     e
         Valid Station: TWO BIT ONE BIT PARITY BIT AT STATION BIT STATION INT; STATION INT&12 (12 = binary 1100)
     e
     e
         N.B. those four bits are the low bits of INTeger STATION INT
     e
         S: T|O|P|A
     e
         1: 0|0|1|1 = 3; 0
     e
         2: 0|1|0|1 = 5; 4
         3: 1|0|0|1 = 9; 8
     e
         4: 1|1|1|1=15; 12
     e
     e
                         -EQU -
                                                                                                                 AT_STATION_BIT
     e
0002 e
                     Source A STATION INT
     e
     e
                                            3
                     Source B
                                                                                                          -AND
                                                                                                       Bitwise AND
                                                                                                       Source A STATION INT
                         -EQU -
                                                                                                                             12
                                                                                                       Source B
     e
                     Equal
     e
                     Source A STATION INT
                                                                                                       Dest
                                                                                                                 AT_POSITION
     e
     e
                     Source B
                                            5
     e
     e
     e
     e
                        -EQU -
     e
     e
                     Source A STATION INT
     e
     e
                                            9
                     Source B
     e
     e
     e
     e
     e
                         -EQU -
     e
                     Source A STATION INT
     e
     e
                     Source B
                                            15
     e
     e
     e
     e
     e
         Housekeeping
     e
     e
     e
         Odd parity check for three bits: TWO BIT; ONE BIT; PARITY BIT.
     e
         - AT_STATION_BIT is excluded from parity check
     e
         Save last scan position
     e
         Assign moving bit if cart is moving in a reverse or forward direction
     e
     e
                                    AT STATION
            AT STATION BIT
                                                                                                                       PARITY ERROR
     e
0003 e
     e
     e
                                                                                                          -MOV -
0004 e
                                                                                                       Move
                                                                                                       Source
                                                                                                                          POSITION
     e
                                                                                                      Dest LAST SCAN POSITION
     e
     e
```

LAD 2 - --- Total Rungs in File = 11



LAD 2 - --- Total Rungs in File = 11



## 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

## 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	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Bul 1763	MicroLogix 1100 Series B-Analog

#### 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
```

## 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 =

Compiler Revision Number S:64 =

Processor Series S:61 = A
```

#### 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 Overflow S:0/1 = 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 Major Error S:6 = 0h Major Error Halt S:1/13 = 0 Error Description: Control Register Error S:5/2 = 0 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:5/18 = 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 .01 sec 0 0

## 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

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Data File N7 (dec) -- INTEGER

Offset 0 1 2 3 4 5 6 7 8 9

N7:0 0

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Data File F8 -- FLOAT

Offset 0 1 2 3 4

F8:0 0

## Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV
S:0 S:0/0 S:0/1	INP AT_STATION_BIT GLOBAL_POSITION AT_STATION ENTRY_TON POSITION ON_STATION MOVING BIT REV_BIT LAST_SCAN_POSITION OLD_POSITION TWO BIT PARITY_ERROR STATION_INT FWD_BIT INP_FWD_BIT AT_TWO_BIT AT_STATION_BIT	Global Global Global Global Global Global Global	Arithmetic Flags Processor Arithmetic Carry Flag Processor Arithmetic Underflow Overflow Flag			
S:0/1 S:0/2 S:0/3			Processor Arithmetic Underflow/ Overflow Flag Processor Arithmetic Zero Flag Processor Arithmetic Sign Flag			
S:1 S:1/0			Processor Mode Status/ Control Processor Mode Bit 0			
S:1/1 S:1/2			Processor Mode Bit 1 Processor Mode Bit 2			
S:1/3 S:1/4			Processor Mode Bit 3 Processor Mode Bit 4			
S:1/5 S:1/6			Forces Enabled Forces Present			
S:1/7 S:1/8 S:1/9			Comms Active Fault Override at Powerup Startup Protection Fault			
S:1/10 S:1/11			Load Memory Module on Memory Error Load Memory Module Always			
S:1/12 S:1/13			Load Memory Module and RUN Major Error Halted			
S:1/14 S:1/15			Access Denied First Pass			
S:2/0 S:2/1			STI Pending STI Enabled			
S:2/2 S:2/3			STI Executing Index Addressing File Range			
S:2/4 S:2/5			Saved with Debug Single Step DH-485 Incoming Command Pending			
S:2/6 S:2/7			DH-485 Message Reply Pending DH-485 Outgoing Message Command Pending			
S:2/15 S:3			Comms Servicing Selection Current Scan Time/ Watchdog Scan Time			
S:4 S:5/0			Time Base Overflow Trap			
S:5/2 S:5/3			Control Register Error Major Err Detected Executing UserFault Routine			
S:5/4 S:5/8 S:5/9			M0-M1 Referenced on Disabled Slot Memory Module Boot Memory Module Password Mismatch			
S:5/10 S:5/11			Memory Module Fassword Mismatch STI Overflow Battery Low			
S:6 S:7			Major Error Fault Code Suspend Code			
S:8 S:9			Suspend File Active Nodes			
S:10 S:11			Active Nodes I/O Slot Enables			
S:12 S:13			I/O Slot Enables Math Register			
S:14 S:15			Math Register Node Address/ Baud Rate			
S:16 S:17			Debug Single Step Rung Debug Single Step File			
S:18 S:19			Debug Single Step Breakpoint Rung Debug Single Step Breakpoint File			
S:20 S:21			Debug Fault/ Powerdown Rung Debug Fault/ Powerdown File			
S:22 S:23			Maximum Observed Scan Time Average Scan Time			
S:24 S:25			Index Register I/O Interrupt Pending			
S:26 S:27			I/O Interrupt Pending I/O Interrupt Enabled			
S:28 S:29			I/O Interrupt Enabled User Fault Routine File Number			
s:30 s:31			STI Setpoint STI File Number			

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## Address/Symbol Database

Address S:32 S:33 S:33/0 S:33/1 S:33/2 S:33/4 S:33/5 S:33/6 S:33/7 S:33/7 S:33/8 S:33/9 S:33/10 S:33/11 S:33/12 S:33/13 S:33/14 S:33/15	Symbol	Scope	Description  I/O Interrupt Executing Extended Proc Status Control Word Incoming Command Pending Message Reply Pending Outgoing Message Command Pending Selection Status User/DF1 Communicat Active Communicat Servicing Selection	Sym Group	Dev. Code	e ABV
S:33 S:33/0 S:33/1 S:33/2 S:33/3 S:33/4 S:33/6 S:33/6 S:33/7 S:33/8 S:33/9 S:33/10 S:33/11 S:33/11 S:33/13 S:33/13			Extended Proc Status Control Word Incoming Command Pending Message Reply Pending Outgoing Message Command Pending Selection Status User/DF1 Communicat Active			
S:33/0 S:33/1 S:33/2 S:33/3 S:33/4 S:33/5 S:33/6 S:33/7 S:33/8 S:33/9 S:33/10 S:33/11 S:33/11 S:33/13			Incoming Command Pending Message Reply Pending Outgoing Message Command Pending Selection Status User/DF1 Communicat Active			
S:33/1 S:33/2 S:33/3 S:33/4 S:33/5 S:33/6 S:33/7 S:33/8 S:33/9 S:33/10 S:33/11 S:33/12 S:33/13			Message Reply Pending Outgoing Message Command Pending Selection Status User/DF1 Communicat Active			
3:33/2 3:33/4 3:33/4 3:33/5 3:33/6 3:33/7 3:33/8 3:33/9 3:33/10 3:33/11 3:33/12 3:33/13 3:33/14			Outgoing Message Command Pending Selection Status User/DF1 Communicat Active			
3:33/3 3:33/4 3:33/5 3:33/6 3:33/6 3:33/7 3:33/8 3:33/10 3:33/11 3:33/11 3:33/12 3:33/13 3:33/14			Selection Status User/DF1 Communicat Active			
8:33/4 5:33/5 5:33/6 6:33/7 5:33/8 6:33/9 6:33/10 6:33/11 6:33/12 6:33/13			Communicat Active			
3:33/5 3:33/6 3:33/7 3:33/8 3:33/9 3:33/10 3:33/11 3:33/12 3:33/13						
3:33/6 3:33/7 3:33/8 3:33/9 3:33/10 3:33/11 3:33/12 3:33/13						
:33/7 :33/8 :33/9 :33/10 :33/11 :33/12 :33/13 :33/14			Message Servicing Selection Channel 0			
3:33/8 3:33/9 3:33/10 3:33/11 3:33/12 3:33/13			Message Servicing Selection Channel 1			
3:33/10 5:33/11 5:33/12 5:33/13 5:33/14			Interrupt Latency Control Flag Scan Toggle Flag			
S:33/12 S:33/13 S:33/14			Discrete Input Interrupt Reconfigur Flag			
S:33/13 S:33/14			Online Edit Status			
S:33/14			Online Edit Status			
			Scan Time Timebase Selection			
5:33/15			DTR Control Bit			
0.24			DTR Force Bit			
S:34 S:34/0			Pass-thru Disabled			
S:34/U			Pass-Thru Disabled Flag			
S:34/2			DH+ Active Node Table Enable Flag 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 S:42			Clock Calendar Minutes 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 S:53			Discrete Input Interrupt- Accumulat Reserved/ Clock Calendar Day of the Week			
3:55 3:55			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 S:68			Channel O Active Nodes Channel O Active Nodes			
5:69			Channel O Active Nodes			
5:70			Channel O Active Nodes			
S:71			Channel O Active Nodes			
S:72			Channel O Active Nodes			
S:73			Channel O Active Nodes			
S:74			Channel O Active Nodes			
S:75			Channel O Active Nodes			
S:76			Channel O Active Nodes			
5:77			Channel O Active Nodes			
S:78			Channel O Active Nodes			
S:79			Channel O Active Nodes			
S:80 S:81			Channel O Active Nodes Channel O Active Nodes			
3:82			Channel 0 Active Nodes Channel 0 Active Nodes			
3:83			DH+ Active Nodes			
S:84			DH+ Active Nodes			
S:85			DH+ Active Nodes			
S:86			DH+ Active Nodes			

### Instruction Comment Database

Address Instruction Description

Group\_Name Description