

Totally Integrated Automation Portal

Main\_Program [OB1]

Main\_Program Properties

General

Name	Main_Program	Number	1	Type	OB
Language	STL	Numbering	Manual		

Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	Copyright (c) 2011, 2015 Dogwood Valley Press, LLC ----- -----  Problem SP13-3  Additional internal memo-ry: Symbol Address Run M0.0 Latches input to first timer ResetAll M0.1 Resets operation Cyl101_Dly DB2 (SFB4) First delay Cyl102_Dly DB3 (SFB4) Second delay PL105_Dly DB4 (SFB4) Third delay
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Temp		
OB1_EV_CLASS	Byte	
OB1_SCAN_1	Byte	
OB1_PRIORITY	Byte	
OB1_OB_NUMBR	Byte	
OB1_RESERVED_1	Byte	
OB1_RESERVED_2	Byte	
OB1_PREV_CYCLE	Int	
OB1_MIN_CYCLE	Int	
OB1_MAX_CYCLE	Int	
OB1_DATE_TIME	Date_And_Time	
Constant		

Network 1: Latches PROX101 as input to first timer

0001

A (

0002

O

"PROX101 "

0003

O

"Run "

0004

)

0005

AN

"ResetAll "

```
0006      =      "Run"
```

### Network 2: Ignore LS110 until PL105 on

```
0001      A      "LS110"
0002      A      "PL105"
0003      =      "ResetAll"
```

### Network 3: Delay for first cylinder

```
0001
0002      CALL   TON , "CYL101_Dly"
0003      Time
0004      IN  := "Run"
0005      PT  := T#7S
0006      Q   := "CYL101"
0007      ET  :=
0008
```

### Network 4: Delay for second cylinder

```
0001
0002      CALL   TON , "Cyl102_Dly"
0003      Time
0004      IN  := "CYL101"
0005      PT  := T#4S_500MS
0006      Q   := "CYL102"
0007      ET  :=
0008
```

### Network 5: Delay for pilot light

```
0001      CALL   TON , "PL105_Dly"
0002      Time
0003      IN  := "CYL102"
0004      PT  := T#8S
0005      Q   := "PL105"
0006      ET  :=
0007
```