

Totally Integrated Automation Portal

Main [OB1]

Main Properties

General

Name	Main	Number	1	Type	OB
Language	STL	Numbering	Manual		

Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	Copyright (c) 2011-2023 Dogwood Valley Press, LLC ----- Problem SP13-3 Additional internal memory: Symbol Address Run %M0.0 Latches input to first timer ResetAll %M0.1 Resets operation Cyl101_Dly %DB2 (IEC_TIMER) First delay Cyl102_Dly %DB3 (IEC_TIMER) Second delay PL105_Dly %DB4 (IEC_TIMER) 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