

TECHNICAL DOCUMENTATION

SP13_03

Project	SP13_03
Designer	
Application	sp13_03.stu
Software Version	Unity Pro L V10.0
Creation Date	4/12/2011 8:52:23 PM
Last Modification Date	12/24/2015 6:08:13 AM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

MAST

Specific properties

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

Main : [MAST]

```
1|      10|      20|      30|      40|      50|      60|      70|      80|      90|     100|     110|
120|      134|

1  (* SP13-3
2
3      Copyright (c) 2011, 2015 Dogwood Valley Press, LLC
4  *)
5
6  (* Latch PROX101, until LS110 active after PL105 on *)
7      LD    PROX101
8      OR     Run
9      ANDN   ResetAll
10     ST     Run
11
12 (* Ignore LS110 until PL105 is on *)
13     LD     LS110
14     AND     PL105
15     ST     ResetAll
16
17 (* Delay for first cylinder *)
18     CAL    CYL101_Dly( IN:=Run, PT:=t#700ms)
19     LD     CYL101_Dly.Q
20     ST     CYL101
21
22 (* Delay for second cylinder *)
23     CAL    CYL102_Dly( IN:=CYL101, PT:=t#2s500ms)
24     LD     CYL102_Dly.Q
25     ST     CYL102
26
27 (* Delay for pilot light *)
28     CAL    PL105_Dly( IN:=CYL102, PT:=t#3s0ms)
29     LD     PL105_Dly.Q
30     ST     PL105
```