

FB12 - <offline>

"Valve\_Disc"

Name:	Family:
Author:	Version: 0.1
	Block version: 2
Time stamp Code:	06/26/2011 08:36:25 PM
Interface:	07/14/2010 12:21:19 PM
Lengths (block/logic/data):	00902 00740 00012

Name	Data Type	Address	Initial Value	Comment
IN		0.0		
Open_LS	Bool	0.0	FALSE	Valve open limit switch
Close_LS	Bool	0.1	FALSE	Valve closed limit switch
Alarm_Reset	Bool	0.2	FALSE	Reset alarm indications
Man_Mode	Bool	0.3	TRUE	Mode (1>manual, 0=auto)
Man_Open	Bool	0.4	FALSE	Open valve in manual mode
Man_Close	Bool	0.5	FALSE	Close valve in manual mode
OUT		0.0		
Sol_Vlv	Bool	2.0	FALSE	Valve control
IN_OUT		0.0		
Tag	Valve_Disc_Type	4.0		Equipment tag
STAT		0.0		
Alw_On	Bool	10.0	TRUE	
Fail_Tmr	TON	12.0		
TEMP		0.0		

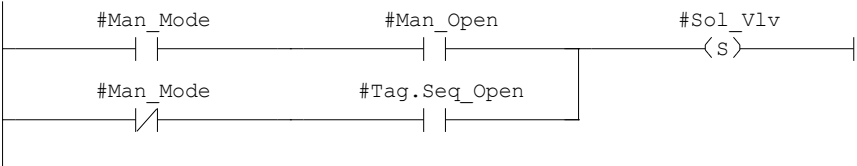
Block: FB12

Example 21.3 Discrete Valve Control

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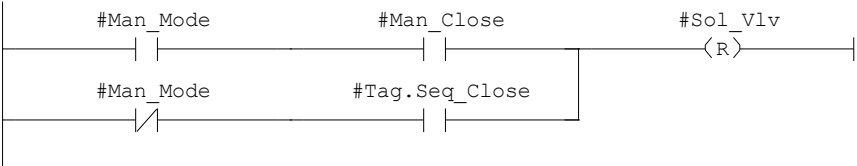
Network: 1

Handle operator requests to open as well as sequence-controlled opens



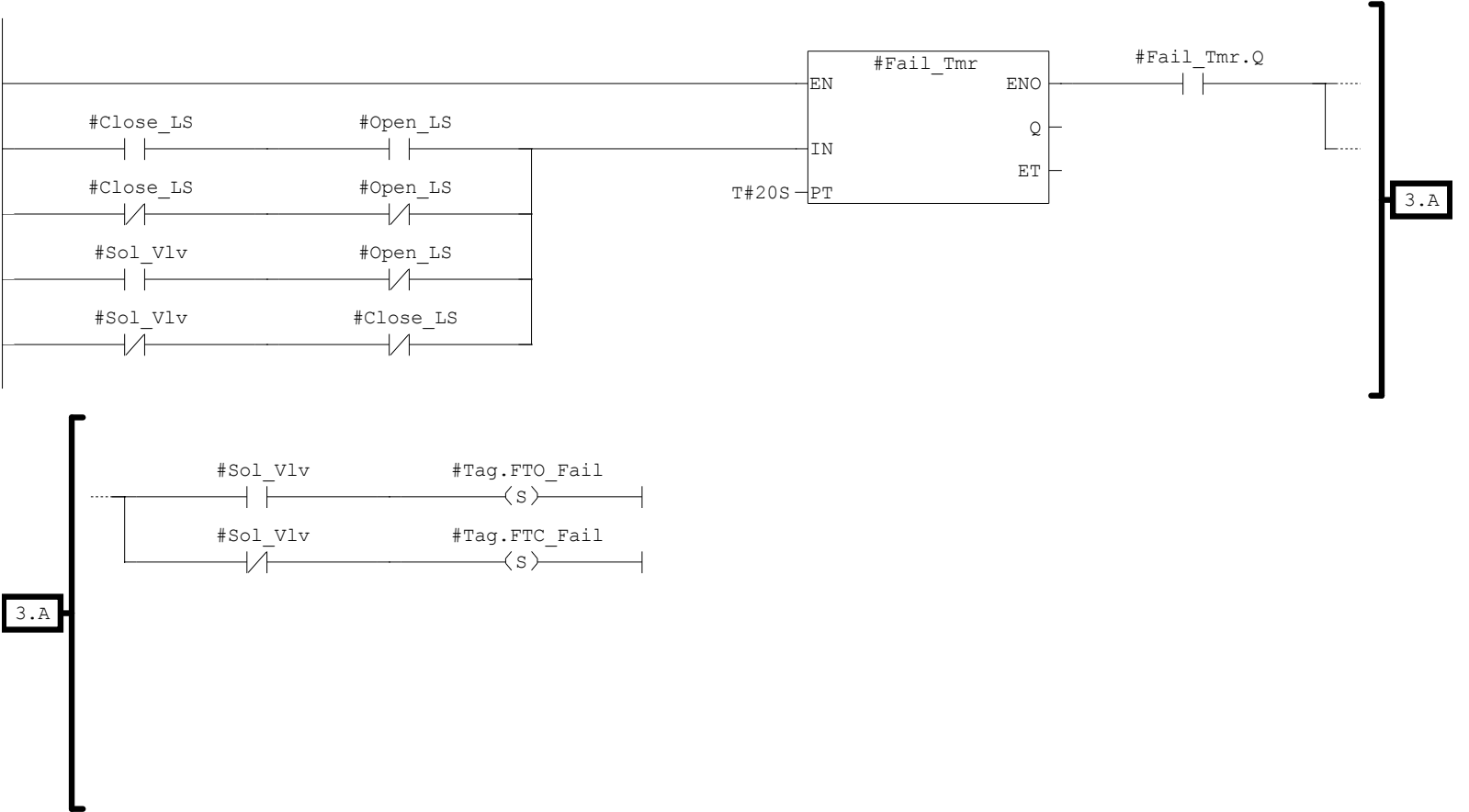
Network: 2

Handle operator requests to close as well as sequence-controlled closes



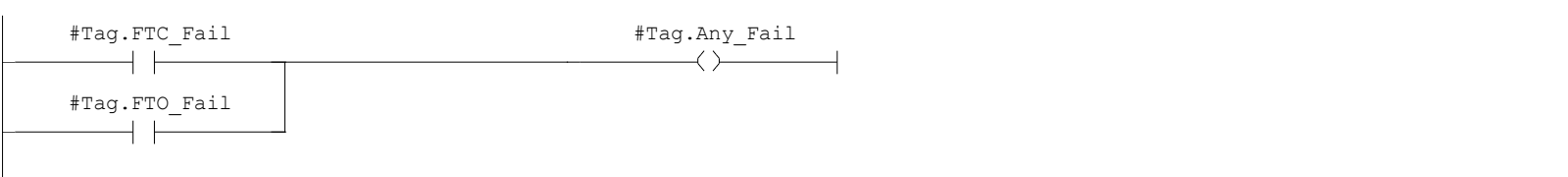
Network: 3

Failure Check. If any illegal condition persists for 20 sec, set failure bit.



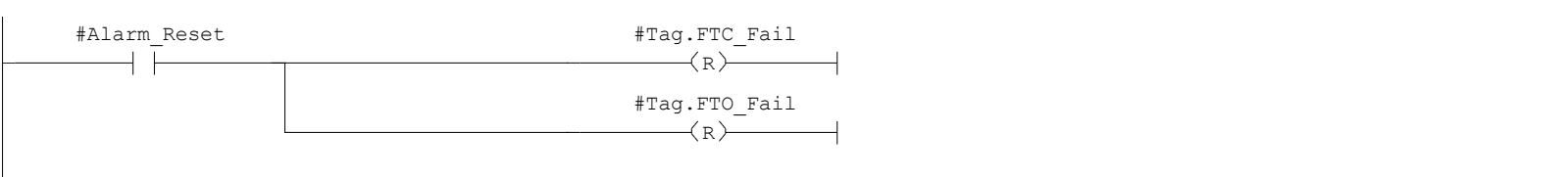
Network: 4

Combined device failure bit



Network: 5

Reset fail bits when alarm reset



Network: 6

Pass limit switch statuses to OI

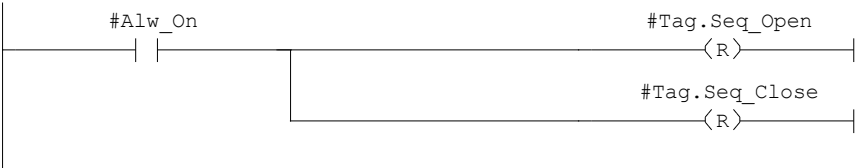


Network: 7



Network: 8

Reset sequence open and close command bits



Network: 9

Always pass true to ENO

