

Main_Program [OB1]

Main_Program Properties

General

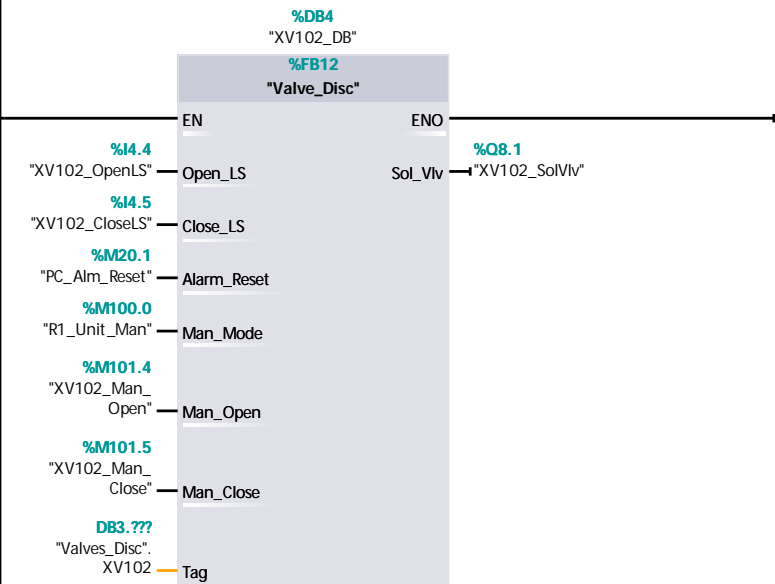
Name	Main_Program	Number	1	Type	OB
Language	LAD	Numbering	Manual		

Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	Example 21.3 Discrete Valve Control Copyright (c) 2013 Dogwood Valley Press, LLC
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:



Valve_Disc [FB12]

Valve_Disc Properties

General

Name	Valve_Disc	Number	12	Type	FB
Language	LAD	Numbering	Manual		

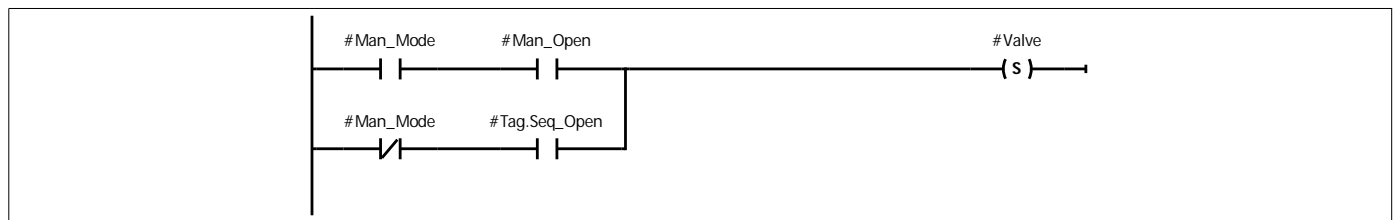
Information

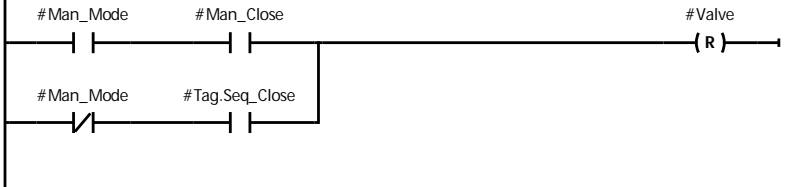
Title		Author		Comment	Example 21.3 Discrete Valve Control Copyright (c) 2011 Dogwood Valley Press, LLC
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Input		
Open_LS	Bool	false
Close_LS	Bool	false
Alarm_Reset	Bool	false
Man_Mode	Bool	TRUE
Man_Open	Bool	false
Man_Close	Bool	false
▼ Output		
Sol_Vlv	Bool	false
▼ InOut		
Tag	"Valve_Disc_Type"	
▼ Static		
Alw_On	Bool	TRUE
Valve	Bool	false
Fail_Tmr	TON	
Temp		
Constant		

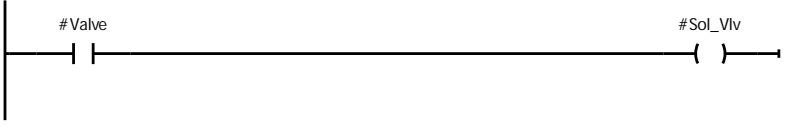
Network 1:

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



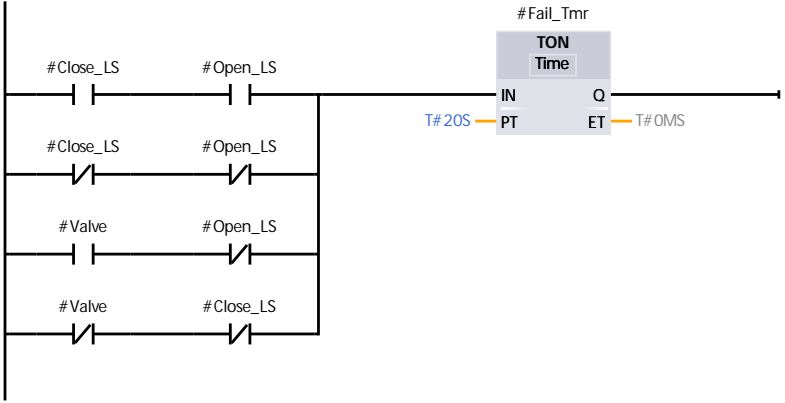


Network 3:

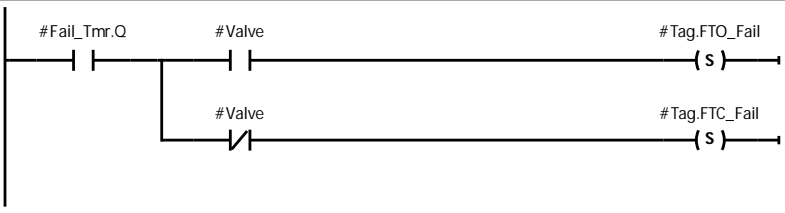


Network 4:

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

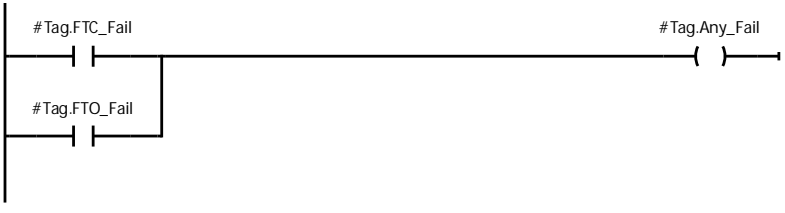


Network 5:



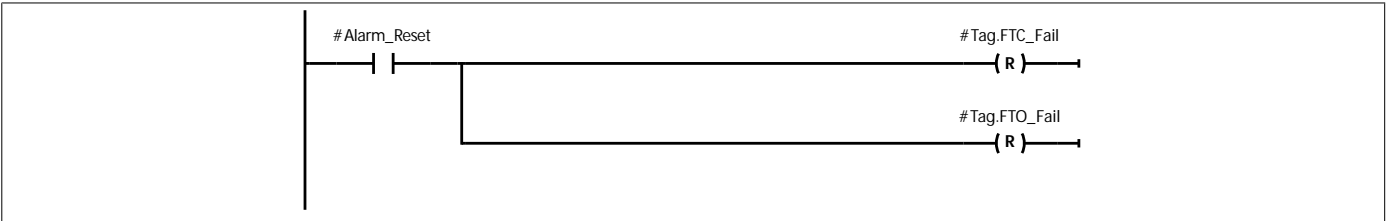
Network 6:

Combined device failure bit



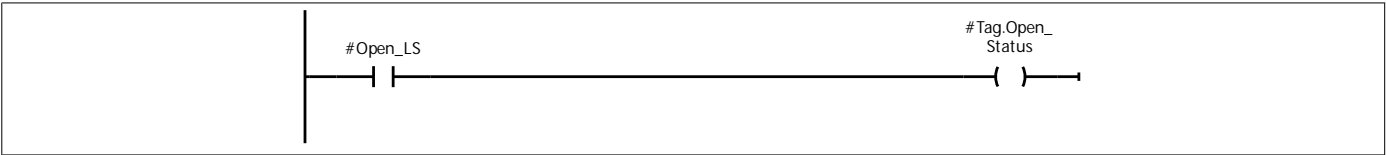
Network 7:

Reset fail bits when alarm reset

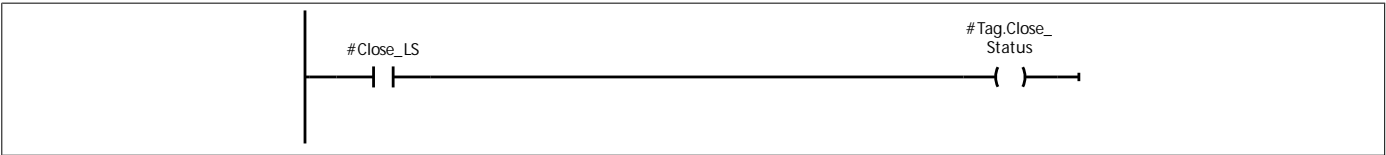


Network 8:

Pass limit switch statuses to OI

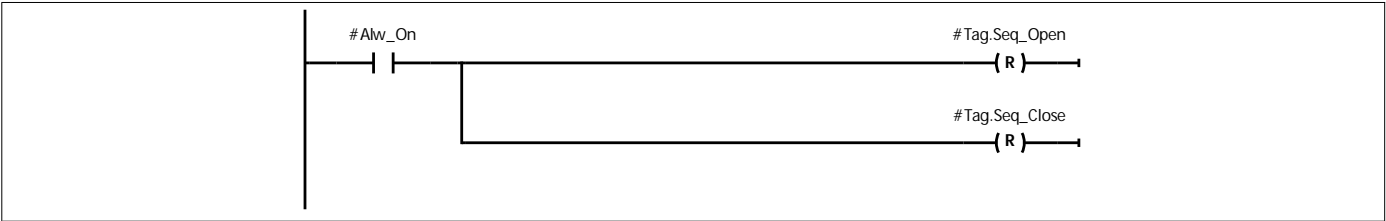


Network 9:



Network 10:

Reset sequence open and close command bits



Network 11:

Always pass true to ENO

