

## Main [OB1]

### Main Properties

#### General

<b>Name</b>	Main	<b>Number</b>	1	<b>Type</b>	OB
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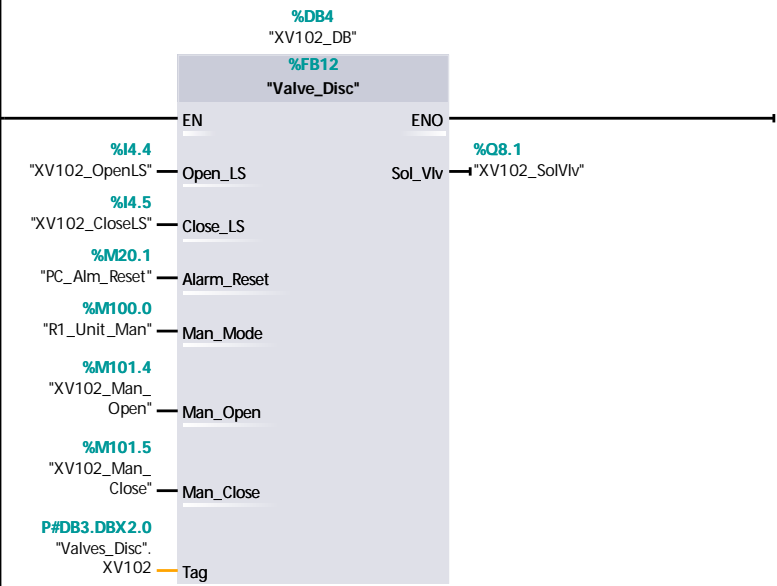
<b>Language</b>	LAD	<b>Numbering</b>	Manual		
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#### Information

<b>Title</b>	"Main Program Sweep (Cycle)"	<b>Author</b>		<b>Comment</b>	Example 21.3 Discrete Valve Control  Copyright (c) 2022 Dogwood Valley Press, LLC
<b>Family</b>		<b>Version</b>	0.1	<b>User-defined ID</b>	

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

<b>Name</b>	Valve_Disc	<b>Number</b>	12	<b>Type</b>	FB
<b>Language</b>	LAD	<b>Numbering</b>	Manual		

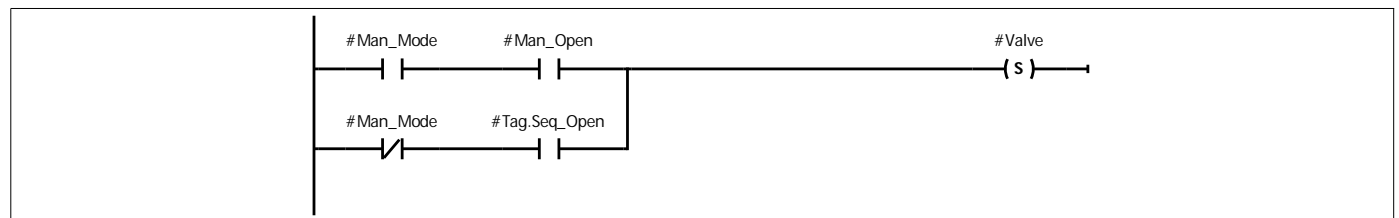
#### Information

<b>Title</b>		<b>Author</b>		<b>Comment</b>	Example 21.3 Discrete Valve Control  Copyright (c) 2022 Dogwood Valley Press, LLC
<b>Family</b>		<b>Version</b>	0.1	<b>User-defined ID</b>	

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_TIME	
Temp		
Constant		

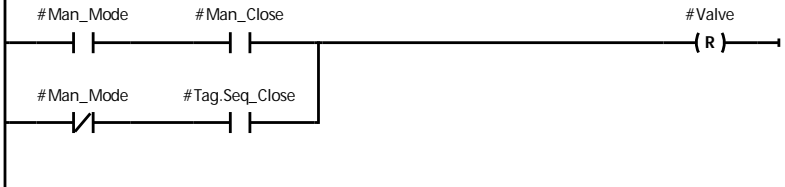
### Network 1:

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

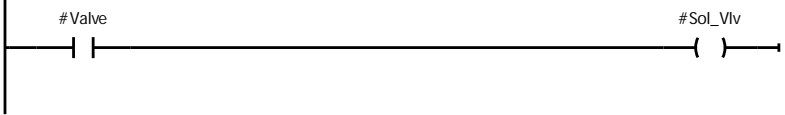


### Network 2:

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

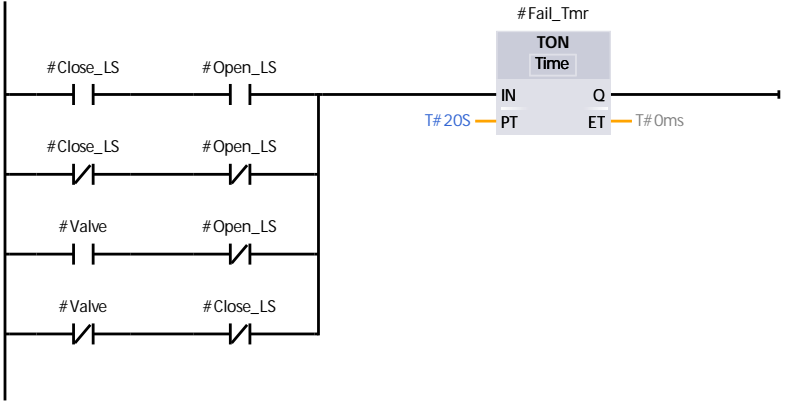


**Network 3:**

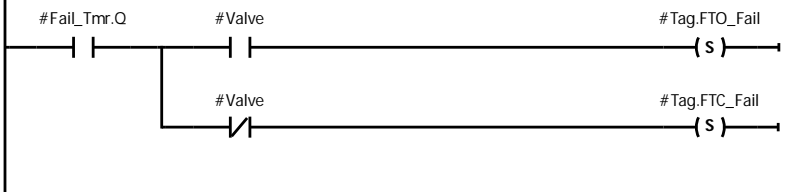


**Network 4:**

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

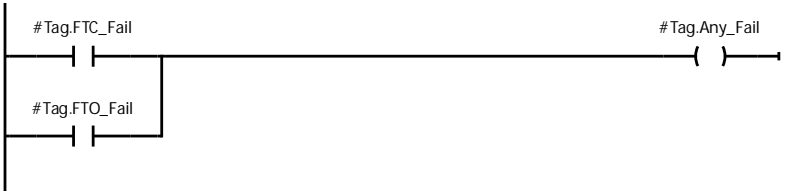


**Network 5:**



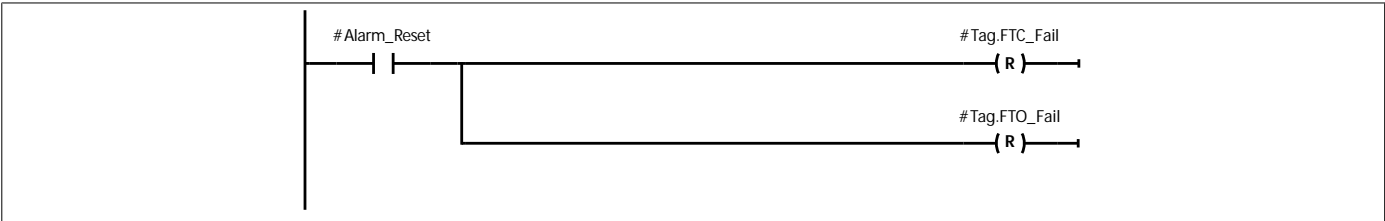
**Network 6:**

Combined device failure bit



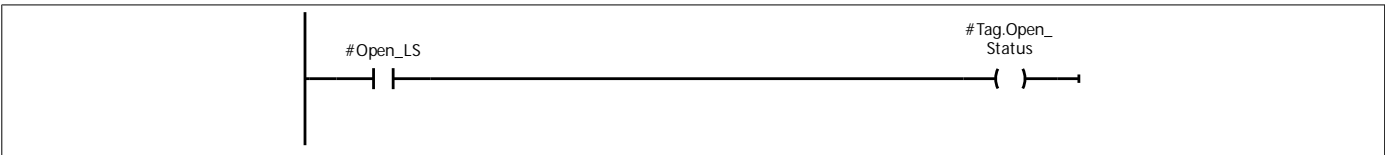
**Network 7:**

Reset fail bits when alarm reset

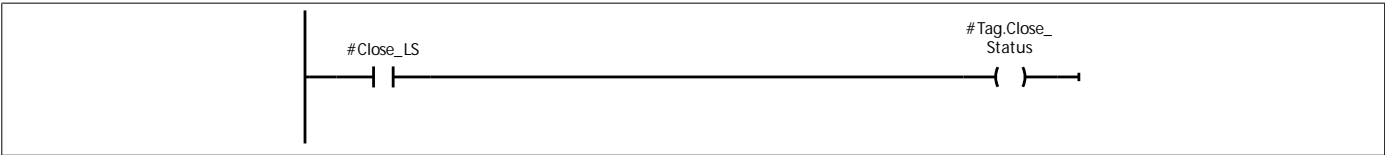


**Network 8:**

Pass limit switch statuses to OI



**Network 9:**



**Network 10:**

Reset sequence open and close command bits



**Network 11:**

Always pass true to ENO

