

## Main\_Program [OB1]

### Main\_Program Properties

#### General

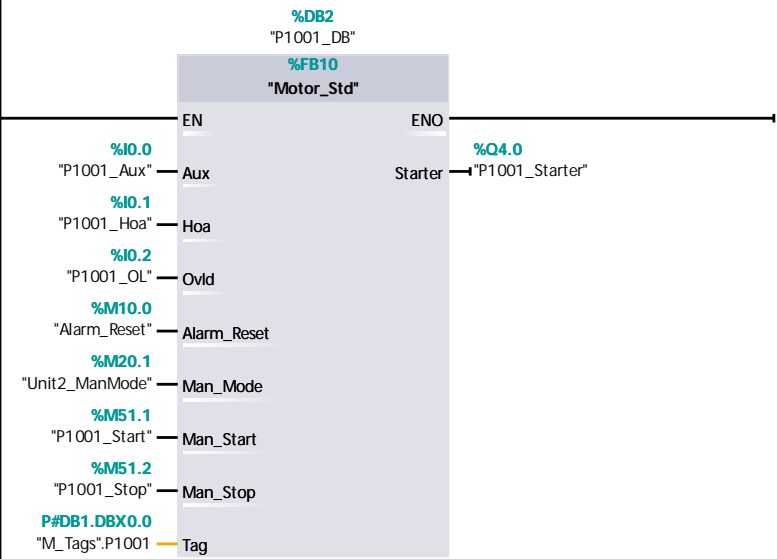
<b>Name</b>	Main_Program	<b>Number</b>	1	<b>Type</b>	OB
<b>Language</b>	LAD	<b>Numbering</b>	Manual		

#### Information

<b>Title</b>	"Main Program Sweep (Cycle)"	<b>Author</b>		<b>Comment</b>	Example 11.1 Motor Control FB  Copyright (c) 2013 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: P1001 control



## Motor\_Std [FB10]

### Motor\_Std Properties

#### General

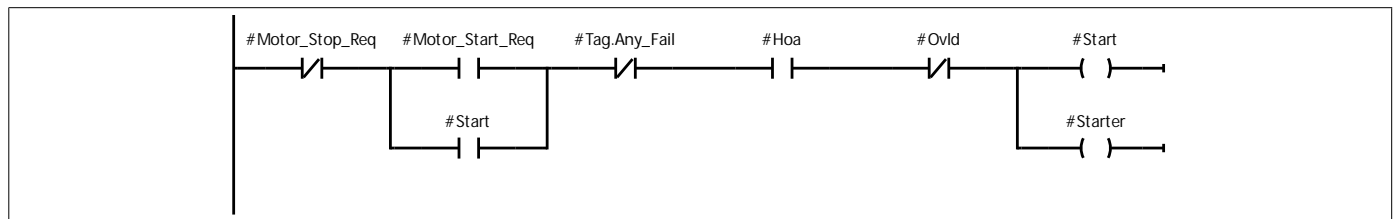
<b>Name</b>	Motor_Std	<b>Number</b>	10	<b>Type</b>	FB
<b>Language</b>	LAD	<b>Numbering</b>	Manual		

#### Information

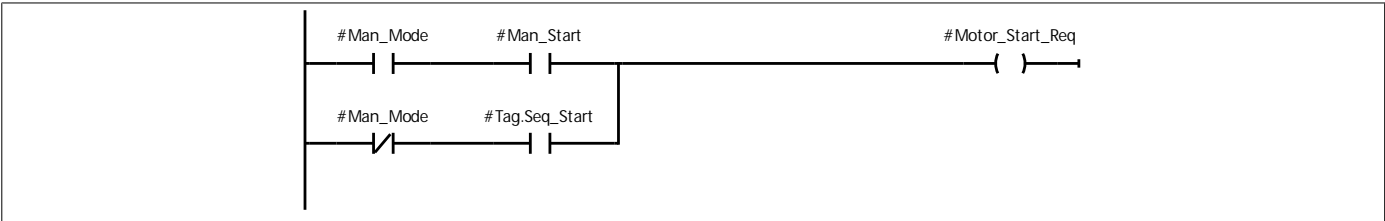
<b>Title</b>		<b>Author</b>		<b>Comment</b>	Example 11.1 Motor function block  Copyright (c) 2011 Dogwood Valley Press, LLC
<b>Family</b>		<b>Version</b>	0.1	<b>User-defined ID</b>	

Name	Data type	Default value
▼ Input		
Aux	Bool	false
Hoa	Bool	false
Ovld	Bool	false
Alarm_Reset	Bool	false
Man_Mode	Bool	false
Man_Start	Bool	false
Man_Stop	Bool	false
▼ Output		
Starter	Bool	false
▼ InOut		
Tag	"Motor_Std_Type"	
▼ Static		
Motor_Start_Req	Bool	false
Motor_Stop_Req	Bool	false
Alw_On	Bool	TRUE
Fail_Tmr	TON	
Start	Bool	false
▼ Temp		
TempBit	Bool	
Constant		

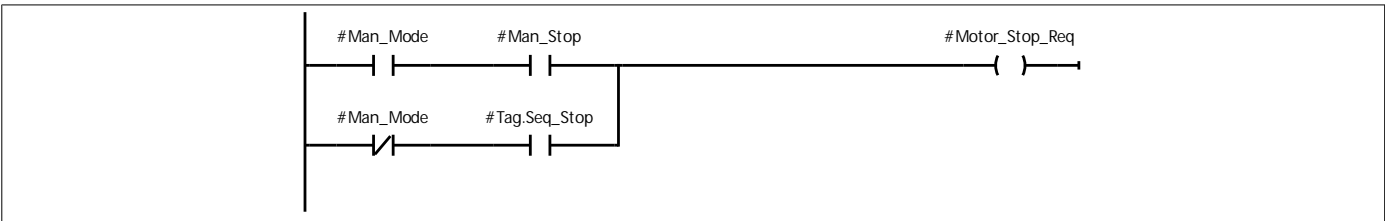
### Network 1: Main control that drives motor starter contact



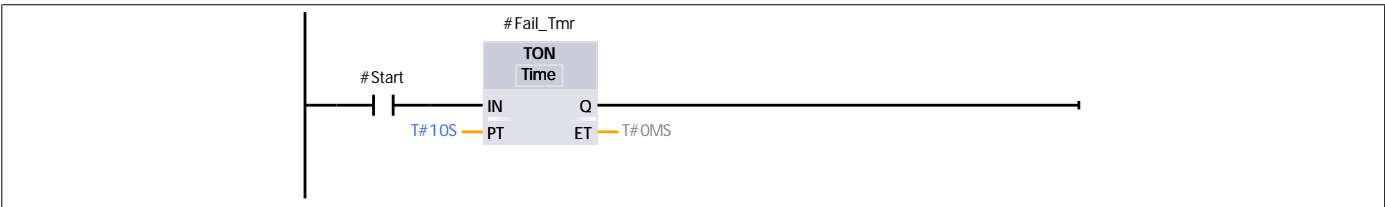
**Network 2: Handle manual and sequence starts**



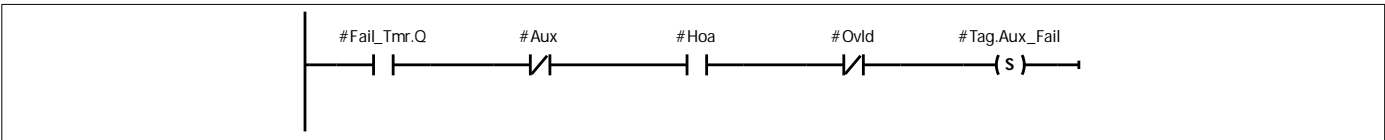
**Network 3: Handle manual and sequence stop requests.**



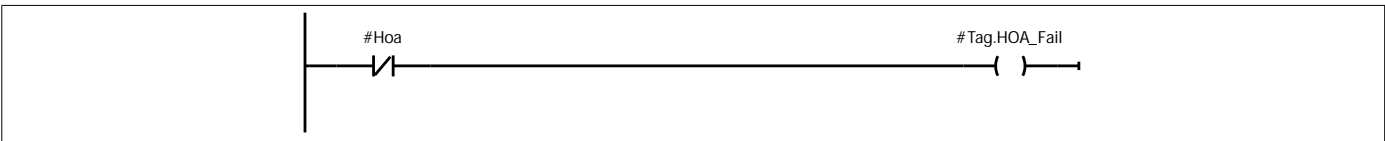
**Network 4: If Aux not on in 10 seconds and not overload or HOA, then set Aux fail.**



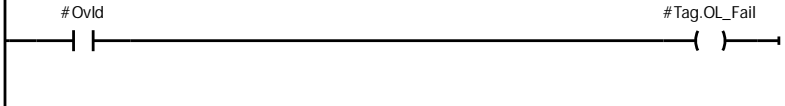
**Network 5:**



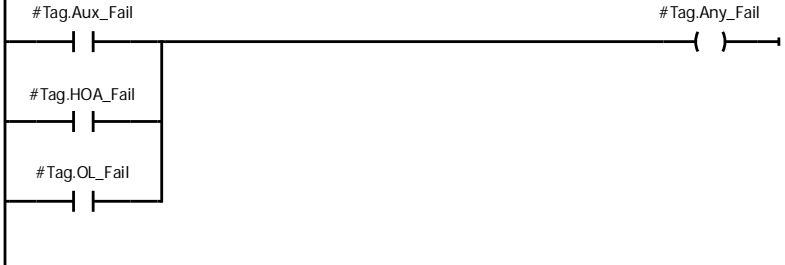
**Network 6: Generate HOA and overload failure indicators**



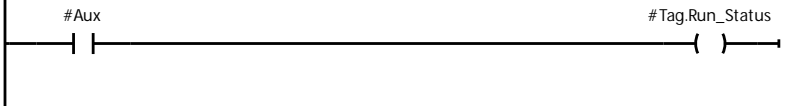
**Network 7:**



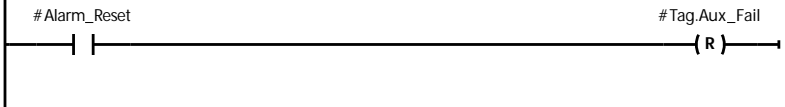
**Network 8: Any Failure indication**



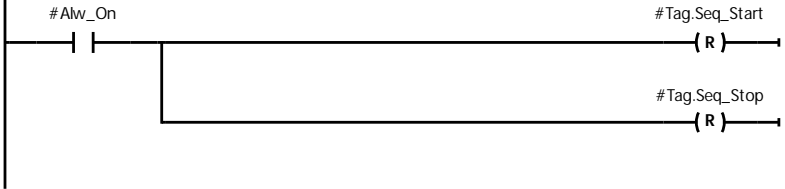
**Network 9:**



**Network 10: Reset alarm indication**



**Network 11: Reset sequence commands.**



**Network 12: Sets ENO**

