Totally Integ							
Manual_Mode_FC [FC4]							
Manual_Mode_FC Properties							
General							
Name	Manual_Mode_FC	Number	1	Type	FC	Language	LAD
Numbering	Automatic				-		
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					
Name		Data type	Default value		Comment		

## Network 1: START\_SYSTEM

Void

 $Manual\_Mode\_FC$ 

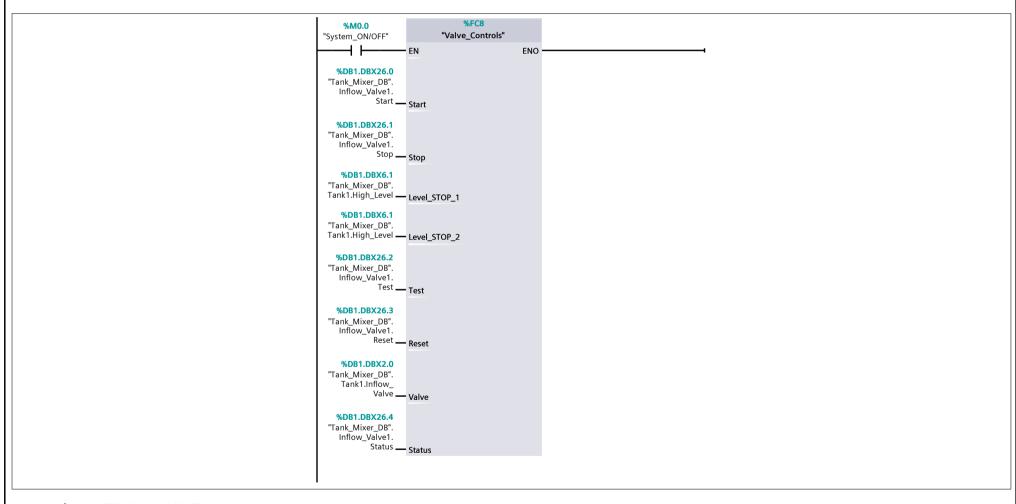
Input
Output
InOut
Temp
Constant

Return

```
*MO.0
"Tank_Mixer_DB".
Start_System
SR
S Q

*MB1.DBX0.1
"Tank_Mixer_DB".
System_Stop
R1
```

## Network 2: INFLOW\_VALVE 1



Network 3: INFLOW\_VALVE 2

Totally Integrated **Automation Portal %M0.0**"System\_ON/OFF" "Valve\_Controls" %DB1.DBX28.0 "Tank\_Mixer\_DB". Inflow\_Valve2. Start \_\_ - Start %DB1.DBX28.1 "Tank\_Mixer\_DB". Inflow\_Valve2. %DB1.DBX12.1 "Tank\_Mixer\_DB".
Tank2.High\_Level — Level\_STOP\_1 %DB1.DBX12.1 "Tank\_Mixer\_DB".
Tank2.High\_Level — Level\_STOP\_2 \*\*DB1.DBX28.2
"Tank\_Mixer\_DB".
Inflow\_Valve2.
Test — Test %DB1.DBX28.3 "Tank\_Mixer\_DB". Inflow\_Valve2. Reset — Reset %DB1.DBX8.0 "Tank\_Mixer\_DB". Tank2.Inflow\_ Valve **%DB1.DBX28.4**"Tank\_Mixer\_DB".
Inflow\_Valve2.

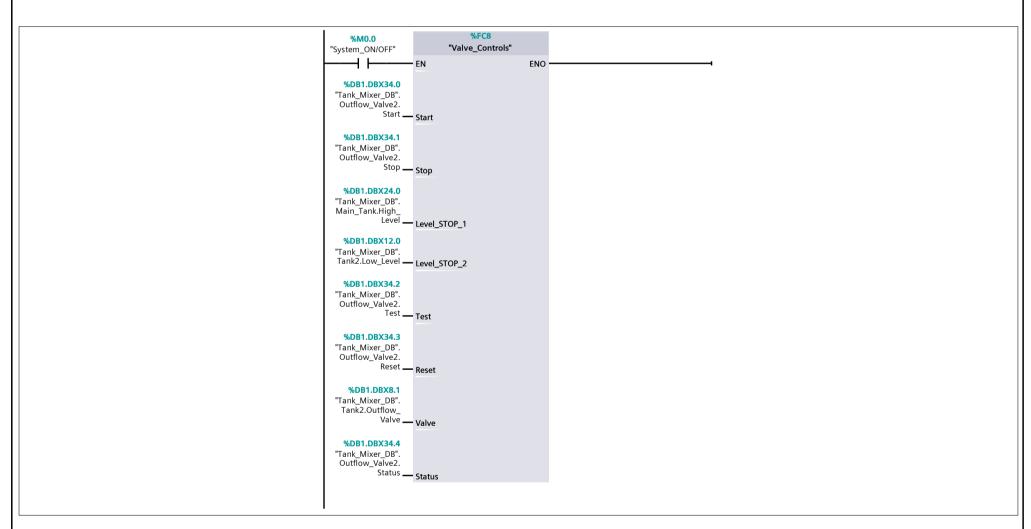
## Network 4: INFLOW\_VALVE 3

%FC8 **%M0.0** "System\_ON/OFF" "Valve\_Controls" %DB1.DBX30.0 "Tank\_Mixer\_DB". Inflow\_Valve3. Start — Start %DB1.DBX30.1 "Tank\_Mixer\_DB". Inflow\_Valve3. Stop **\_ %DB1.DBX18.1**"Tank\_Mixer\_DB".
Tank3.High\_Level — Level\_STOP\_1 %DB1.DBX18.1 "Tank\_Mixer\_DB".
Tank3.High\_Level — Level\_STOP\_2 **%DB1.DBX30.2**"Tank\_Mixer\_DB".
Inflow\_Valve3. %DB1.DBX30.3 "Tank\_Mixer\_DB". ank\_Mixer\_DB . Inflow\_Valve3. Reset — Reset %DB1.DBX14.0 "Tank\_Mixer\_DB". Tank3.Inflow\_ Valve. **Valve** %DB1.DBX30.4 \*\*MDB1.DBX.3U.+\*
"Tank\_Mixer\_DB".
Inflow\_Valve3.
Status — Status

Network 5: OUTFLOW\_VALVE 1

Totally Integrated **Automation Portal %M0.0**"System\_ON/OFF" "Valve\_Controls" %DB1.DBX32.0 "Tank\_Mixer\_DB". Outflow\_Valve1. Start — Start %DB1.DBX32.1 "Tank\_Mixer\_DB". Outflow\_Valve1. %DB1.DBX24.0
"Tank\_Mixer\_DB".
Main\_Tank.High\_
Level — Level\_STOP\_1 %DB1.DBX6.0 "Tank\_Mixer\_DB".
Tank1.Low\_Level — Level\_STOP\_2 %DB1.DBX32.2 "Tank\_Mixer\_DB".
Outflow\_Valve1.
Test — Test %DB1.DBX32.3 "Tank\_Mixer\_DB". Outflow\_Valve1. Reset — Reset %DB1.DBX2.1 \*\*DB1.DBx2.1
"Tank\_Mixer\_DB".
Tank1.Outflow\_
Valve — Valve %DB1.DBX32.4
"Tank\_Mixer\_DB".
Outflow\_Valve1.
Status — Status

## Network 6: OUTFLOW\_VALVE 2



Network 7: OUTFLOW\_VALVE 3

Totally Integrated **Automation Portal %M0.0**"System\_ON/OFF" "Valve\_Controls" %DB1.DBX36.0 "Tank\_Mixer\_DB". Outflow\_Valve3. Start — Start \*\*MDB1.DBX30.1
"Tank\_Mixer\_DB".
Outflow\_Valve3.
Stop --- Stop %DB1.DBX36.1 \*DB1.DBX24.0
"Tank\_Mixer\_DB".
Main\_Tank.High\_
Level — Level\_STOP\_1 %DB1.DBX18.0 "Tank\_Mixer\_DB".
Tank3.Low\_Level — Level\_STOP\_2 %DB1.DBX36.2
"Tank\_Mixer\_DB".
Outflow\_Valve3.
Test — Test %DB1.DBX36.3 "Tank\_Mixer\_DB". Outflow\_Valve3. Reset — Reset %DB1.DBX14.1 \*\*MDB1.DBX.14.1
"Tank\_Mixer\_DB".
Tank3.Outflow\_
Valve — Valve %DB1.DBX36.4
"Tank\_Mixer\_DB".
Outflow\_Valve3.
Status — Status Network 8: DRAINING\_VALVE %FC8 %M0.0 "Valve\_Controls" "System\_ON/OFF"  $\dashv$   $\vdash$ ENO EN %DB1.DBX38.0 "Tank\_Mixer\_DB".
Draining\_Valve.
Start — Start \*DB1.DBX38.1
"Tank\_Mixer\_DB".
Draining\_Valve.
Stop - Stop %DB1.DBX38.1 %DB1.DBX24.1 "Tank\_Mixer\_DB".
Main\_Tank.Low\_
Level — Level\_STOP\_1

%DB1.DBX24.1

%DB1.DBX38.2 "Tank\_Mixer\_DB". Draining\_Valve.

%DB1.DBX20.0 "Tank\_Mixer\_DB". Main\_Tank.

%DB1.DBX38.4 \*\*MDB1.DBA.30.\*\*
"Tank\_Mixer\_DB".
Draining\_Valve.
Status — Status

"Tank\_Mixer\_DB".
Main\_Tank.Low\_
Level — Level\_STOP\_2

Test — Test

\*\*DB1.DBX38.3
"Tank\_Mixer\_DB".
Draining\_Valve.
Reset — Reset

Draining\_Valve — Valve