



**RSE**  
ROSS-SHIRE ENGINEERING

Example\_Library

RSE - Control Systems

UK

9/12/2025 3:44 PM



### Alarm\_Trigger [FB2]

Alarm_Trigger Properties							
General							
Name	Alarm_Trigger	Number	2	Type	FB	Language	LAD
Numbering	Automatic						
Information							
Title	Emergency Stop / Alarm	Author		Comment	Will Hold Info On Alarms and Reset	Family	
Version	0.1	User-defined ID					

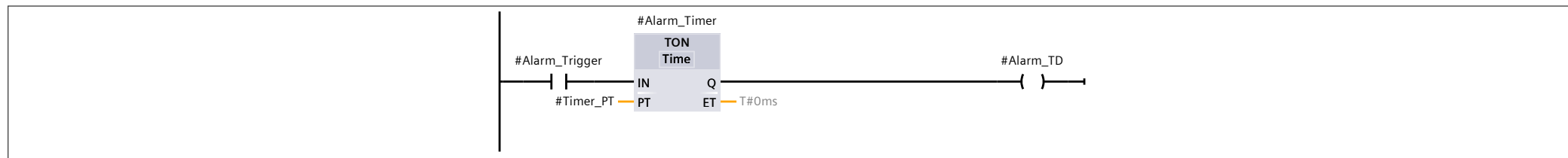
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writable from HMI/OPC UA/Web API	Visible in HMI engineering	Setpoint	Supervision	Comment
▼ Input									
Alarm_Trigger	Bool	false	Non-retain	True	True	True	False		Input that Triggers Alarm
Timer_PT	Time	T#0ms	Non-retain	True	True	True	False		Timer for Trigger Set
Ack_PB	Bool	false	Non-retain	True	True	True	False		Acknowledge Alarm Button
Reset_PB	Bool	false	Non-retain	True	True	True	False		Reset Alarm Button
▼ Output									
ALARM	Bool	false	Non-retain	True	True	True	False		Alarm Status
ALARM_ACKED	Bool	false	Non-retain	True	True	True	False		Alarm Acknowledge Status
ALARM_BLINK	Bool	false	Non-retain	True	True	True	False		Alarm LED Status
InOut									
▼ Static									
Alarm_TD	Bool	false	Non-retain	True	True	True	False		Alarm was Triggered
Alarm_Active	Bool	false	Non-retain	True	True	True	False		Alarm is Active
Alarm_ACK	Bool	false	Non-retain	True	True	True	False		Alarm was Acknowledged
Alarm_Reset	Bool	false	Non-retain	True	True	True	False		Alarm was Reset



Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writ-able from HMI/OPC UA/ Web API	Visible in HMI engi-neering	Setpoint	Supervi-sion	Comment
▼ Alarm_Timer	TON_TIME		Non-retain	True	True	True	True		Alarm Timer
PT	Time	T#0ms	Non-retain	True	True	True	False		
ET	Time	T#0ms	Non-retain	True	False	True	False		
IN	Bool	false	Non-retain	True	True	True	False		
Q	Bool	false	Non-retain	True	False	True	False		
Temp									
Constant									

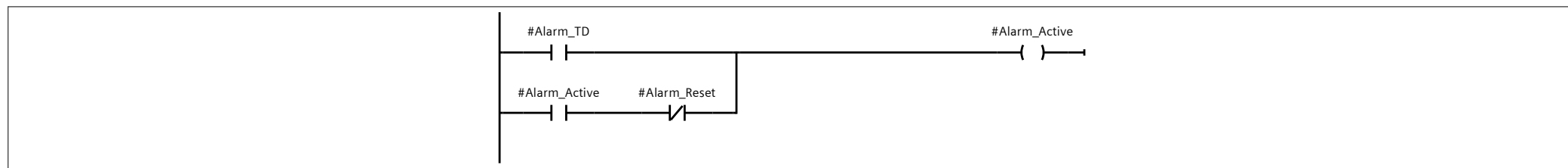
### Network 1: Alarm Triggers ( After holding for PTime)

Sets Alarm to Triggered after some time.



### Network 2: Alarm Active

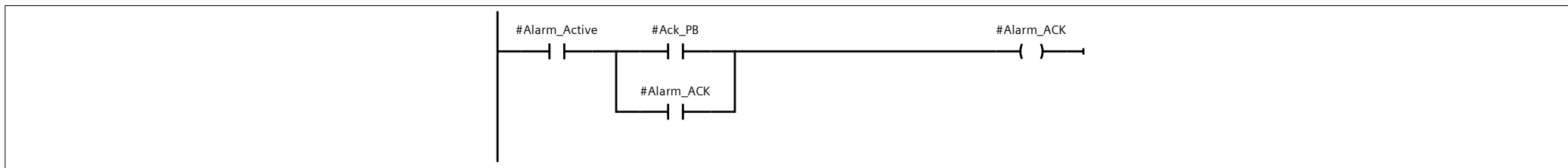
Alarm is Now Latched to Active





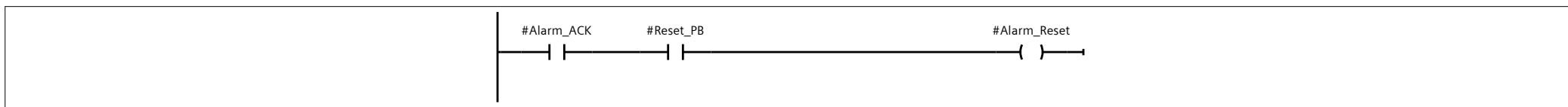
### Network 3: Alarm Acknowledge

Alarm Acknowledged



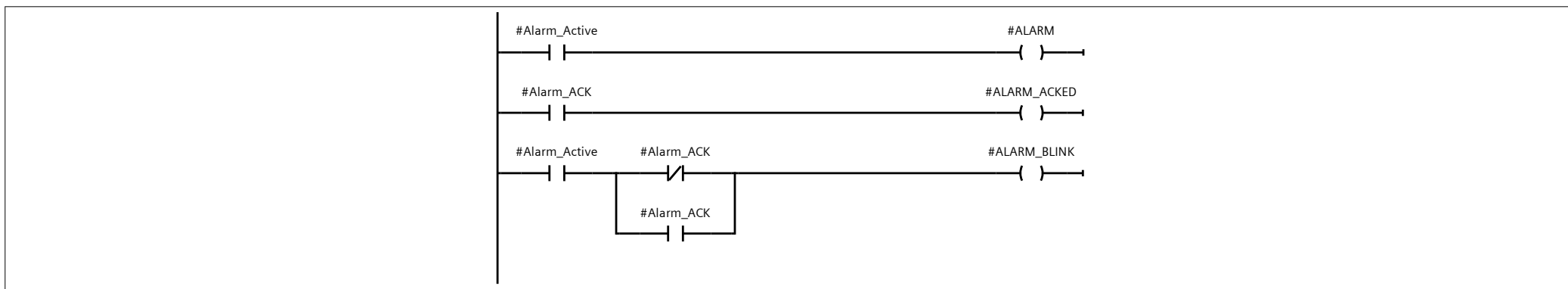
### Network 4: Alarm Reset

Alarm can Now be Reset.



### Network 5:

Mapping Outputs





## User Defined Documentation

Alarm\_Trigger [FB2]

Network 6: Spare Network