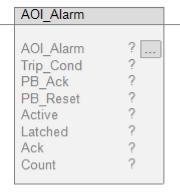
Smart_Conveyor:Add-On Instructions:AOI_Alarm Data Context: AOI_Alarm <definition>

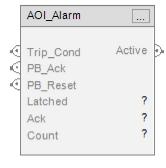
☆ AOI_Alarm v1.0

Available Languages

Relay Ladder



🛂 Function Block



Structured Text

AOI_Alarm(Trip_Cond, PB_Ack, PB_Reset, Active, Latched, Ack, Count);

Parameters

Required	Name	Data Type	Usage	Description
X	AOI_Alarm	AOI_Alarm	InOut	
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	Trip Cond	BOOL	Input	
X	PB Ack	BOOL	Input	
X	PB Reset	BOOL	Input	
X	Active	BOOL	Output	
X	Latched	BOOL	InOut	
X	Ack	BOOL	InOut	
X	Count	DINT	InOut	
	AutoClear	BOOL	Input	
	Code	DINT	Input	
	Severity	DINT	Input	

Extended Description

Execution

Condition Description

EnableIn is true

Revision v1.0 Notes

AOI_Alarm Instruction Definition - Parameter Listing

Smart_Conveyor:Add-On Instructions:AOI_Alarm
Data Type Size: 12 byte (s)
Data Context: AOI_Alarm <definition>

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Name	Default	Data Type	Scope	
Ack	??	BOOL	AOI_Alarm	
		BOOL	AOI_Alailli	
Usage:	InOut Parameter			
Required:	Yes			
Visible:	Yes			
Constant	No			
Ack - AOI_Alarm/Logic - *4(OTE	E), 4(XIC)			
Active	0	BOOL	AOI_Alarm	
Usage:	Output Parameter			
Required:	Yes			
Visible:	Yes			
External Access:	Read Only			
Active - AOI_Alarm/Logic - *0(O	I(XIO), $I(XIO)$, $I(XIC)$, $I(XIC)$			
AutoClear	0	BOOL	AOI_Alarm	
Usage:	Input Parameter		_	
Required:	No			
Visible:	No			
External Access:	Read/Write			
AutoClear - AOI_Alarm/Logic - I	((XIC)			
Count	??	DINT	AOI_Alarm	
Usage:	InOut Parameter		_	
Required:	Yes			
Visible:	Yes			
Constant	No			
Count - AOI_Alarm/Logic - *5(A.				
Count - AOI_Attrin/Logic - 5(A.	DD), 3(ADD)			
Latched	??	BOOL	AOI_Alarm	
Usage:	InOut Parameter			
Required:	Yes			
Visible:	Yes			
Constant	No			
Latched - AOI_Alarm/Logic - *2(
PB_Ack	0	BOOL	AOI_Alarm	
Usage:	Input Parameter			
Required:	Yes			
Visible:	Yes			
External Access:	Read/Write			
PB_Ack - AOI_Alarm/Logic - 4(X				
PB_Reset	0	BOOL	AOI_Alarm	
I D_Reset		BOOL	AOI_Alailii	
Usage:	Input Parameter			
Required:	Yes			
Visible:	Yes			
External Access:	Read/Write			
PB_Reset - AOI_Alarm/Logic - 1(XIC)				
Trip_Cond	0	BOOL	AOI_Alarm	
Usage:	Input Parameter		_	
Required:	Yes			
Visible:	Yes			
External Access:	Read/Write			
Trip_Cond - AOI_Alarm/Logic - (
	O(MC)			

AOI_Alarm Instruction Definition - Local Tag Listing

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Smart_Conveyor:Add-On Instructions:AOI_Alarm
Data Context: AOI_Alarm < definition>

Name	Default	Data Type	Scope
	0	Data Type	•
Ack_Trig	~	BOOL	AOI_Alarm
Usage:	Local Tag		
External Access:	None		
Ack_Trig - AOI_Alarm/Logic	c - *3(OTE), 4(XIC)		
Internal Reset	0	BOOL	AOI_Alarm
Usage:	Local Tag		_
External Access:	None		
Internal_Reset - AOI_Alarm	/Logic - *1(OTE), 2(XIO)		
ONS Ack	0	BOOL	AOI Alarm
Usage:	Local Tag		_
External Access:	None		
ONS_Ack - AOI_Alarm/Logi			
ONS Active	0	BOOL	AOI Alarm
Usage:	Local Tag		_
External Access:	None		
ONS Active - AOI Alarm/Lo			
ONS_ACTIVE - AOI_ATAIM/LO	igic - J(ONS)		

AOI_Alarm Instruction Definition - Logic Routine

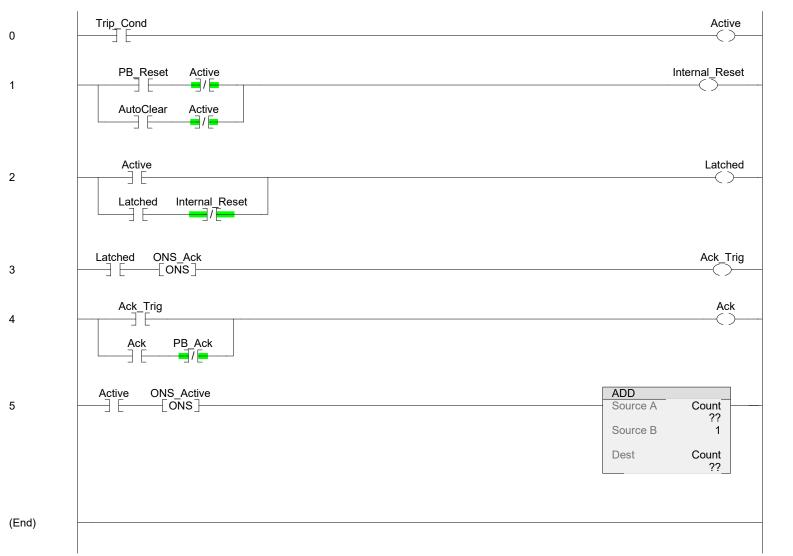
Smart_Conveyor:Add-On Instructions:AOI_Alarm:Logic Total number of rungs in routine: 6

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Data Context: AOI_Alarm <definition>

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Smart_Conveyor:Add-On Instructions:AOI_ConveyorMotor

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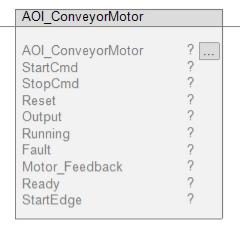
Page 1

Data Context: AOI_ConveyorMotor <definition>

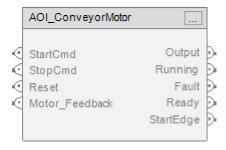
☆ AOI_ConveyorMotor v1.0

Available Languages

📋 Relay Ladder



🛂 Function Block



Structured Text

AOI_ConveyorMotor(StartCmd, StopCmd, Reset, Output, Running, Fault, Motor_Feedback, Ready, StartEdge);

Parameters

Required	Name	Data Type	Usage	Description
X	AOI_ConveyorMotor	AOI_ConveyorMotor	InOut	
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	StartCmd	BOOL	Input	
X	StopCmd	BOOL	Input	
X	Reset	BOOL	Input	
X	Output	BOOL	Output	
X	Running	BOOL	Output	
X	Fault	BOOL	Output	
X	Motor Feedback	BOOL	Input	
X	Ready	BOOL	Output	
X	StartEdge	BOOL	Output	

Extended Description

Execution

Condition Description

EnableIn is true

Revision v1.0 Notes

AOI_ConveyorMotor Instruction Definition - Parameter Listing
Smart_Conveyor:Add-On Instructions:AOI_ConveyorMotor
Data Type Size: 16 byte (s)
Data Context: AOI_ConveyorMotor < definition>

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Page 2

ime	Default	Data Type	Scope
Fault	0	BOOL	AOI_ConveyorMotor
Usage:	Output Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
Fault - AOI_ConveyorMo	otor/Logic - *5(OTE), 5(XIC), 7(XIO)		
Motor_Feedback	0	BOOL	AOI_ConveyorMotor
Usage:	Input Parameter		_ ,
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
	ConveyorMotor/Logic - *3(OTE), 4(XI	O), 6(XIC)	
Outnut	0	BOOL	AOI ConvoyorMotor
Output		BOOL	AOI_ConveyorMotor
Usage:	Output Parameter		
Required: Visible:	Yes		
	Yes		
External Access:	Read/Write		
Output - AOI_Conveyor	Motor/Logic - *3(OTE), 6(XIC)		
Ready	0	BOOL	AOI_ConveyorMotor
Usage:	Output Parameter		_ •
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
Ready - AOI_ConveyorM	fotor/Logic - *7(OTE)		
Reset	0	BOOL	AOI_ConveyorMotor
Usage:	Input Parameter	BOOL	AOI_conveyoriviotor
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
Reset - AOI_ConveyorMe			
n '	0	DOOL	AOL C. M.
Running	0	BOOL	AOI_ConveyorMotor
Usage:	Output Parameter		
Required:	Yes		
Visible:	Yes		
External Access: Running - AOI Conveyor	Read/Write		
naming 1101_conveyor	motor/Logic o(O1L)		
StartCmd	0	BOOL	AOI_ConveyorMotor
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access: StartCmd - AOI Conveyo	Read/Write		
Similaria 1101_convey	minotonia (me)		
StartEdge	0	BOOL	AOI_ConveyorMotor
Usage:	Output Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read Only		
StartEdge - AOI_Convey	orMotor/Logic - *0(OTE), 2(XIC)		
StopCmd	0	BOOL	AOI_ConveyorMotor
Usage:	Input Parameter		_ ,
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
StopCmd - AOI Conveyo			
StopCma - AUI Conveyo	rwotor/Logic - 1(XIC)		

AOI_ConveyorMotor Instruction Definition - Local Tag Listing Smart_Conveyor:Add-On Instructions:AOI_ConveyorMotor Data Context: AOI_ConveyorMotor <definition>

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Name	Default	Data Type	Scope		
ONS_StartEdge	0	BOOL	AOI_ConveyorMotor		
Usage:	Local Tag				
External Access:	None				
ONS_StartEdge - AOI_ConveyorI	Motor/Logic - *0(ONS)				
	_				
ONS_StopEdge	0	BOOL	AOI_ConveyorMotor		
Usage:	Local Tag				
External Access:	None				
ONS_StopEdge - AOI_ConveyorM	Aotor/Logic - *1(ONS)				
StartLatch	0	BOOL	AOI ConveyorMotor		
Usage:	Local Tag	BOOL	Tiel_conveyenvioler		
External Access:	None				
	:/Logic - *2(OTE), 2(XIC), 3(XIC), 4(XI	C)			
StartBaten 1101_conveyor inotor	7.10810 2(0.111), 2(1110), 3(1110), 7(111	\mathcal{C}_{j}			
StopEdge	0	BOOL	AOI ConveyorMotor		
Usage:	Local Tag		_ •		
External Access:	None				
StopEdge - AOI_ConveyorMotor/Logic - *1(OTE), 2(XIO)					
TMR FaultCheck		TIMER	AOI ConveyorMotor		
_	Local Tag	TIVIEK	AOI_ConveyorMotor		
Usage: External Access:	None				
TMR_FaultCheck - AOI_Conveyo		DOOL			
TMR_FaultCheck.DN	0	BOOL			
TMR_FaultCheck.DN - AOI_ConveyorMotor/Logic - 5(XIC)					

AOI_ConveyorMotor Instruction Definition - Logic Routine

Smart_Conveyor:Add-On Instructions:AOI_ConveyorMotor:Logic Total number of rungs in routine: 8

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Data Context: AOI_ConveyorMotor <definition>

