

Cyclic interrupt [OB30]

Cyclic interrupt Properties

General							
Name	Cyclic interrupt	Number	30	Type	OB	Language	LAD
Numbering	automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

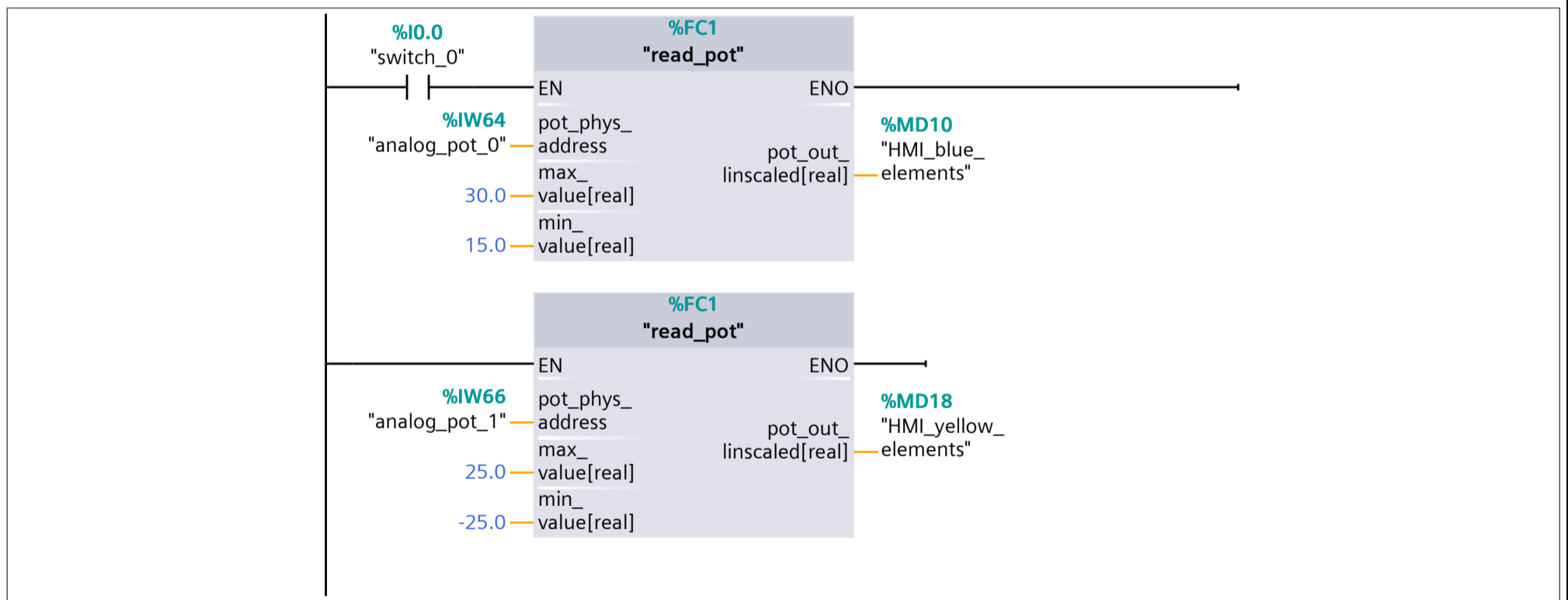
Name	Data type	Default value	Comment
▼ Input			
Initial_Call	Bool		Initial call of this OB
Event_Count	Int		Events discarded
Temp			
Constant			

Network 1: Switch 0 changes between Automatic and Manual mode. If Man mode active, blue elements are 0.



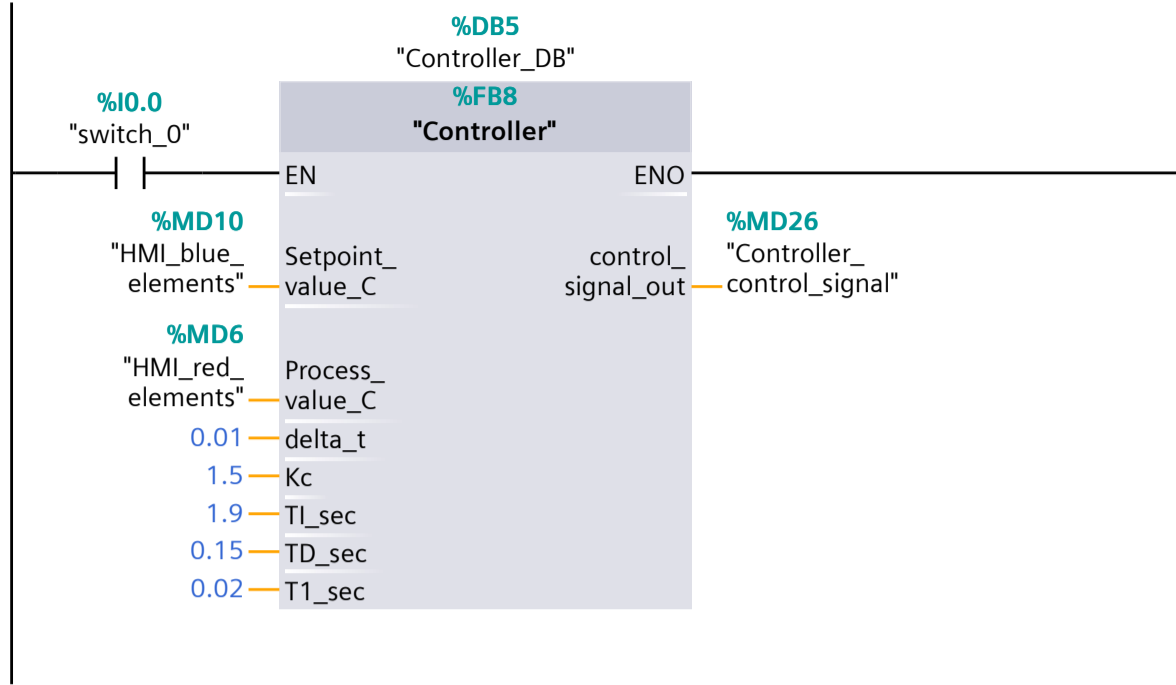
Symbol	Address	Type	Comment
"HMI_blue_elements"	%MD10	Real	
"switch_0"	%IO.0	Bool	

Network 2: If Aut mode ON, blue elements are showing the setpoint value. Yellow elements are the outer temp. values.



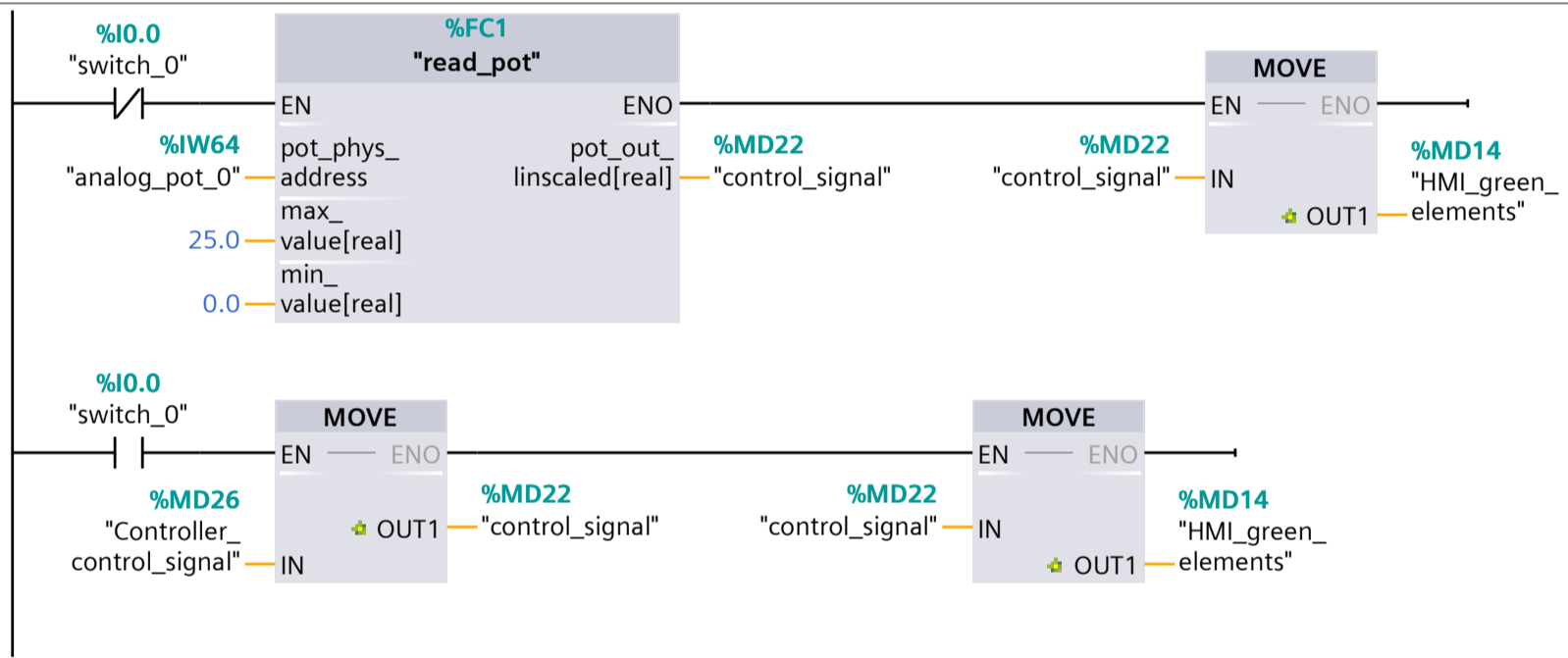
Symbol	Address	Type	Comment
"analog_pot_0"	%IW64	Word	
"analog_pot_1"	%IW66	Word	
"HMI_blue_elements"	%MD10	Real	
"HMI_yellow_elements"	%MD18	Real	
"switch_0"	%IO.0	Bool	

Network 3: Controller is only working in Aut mode.



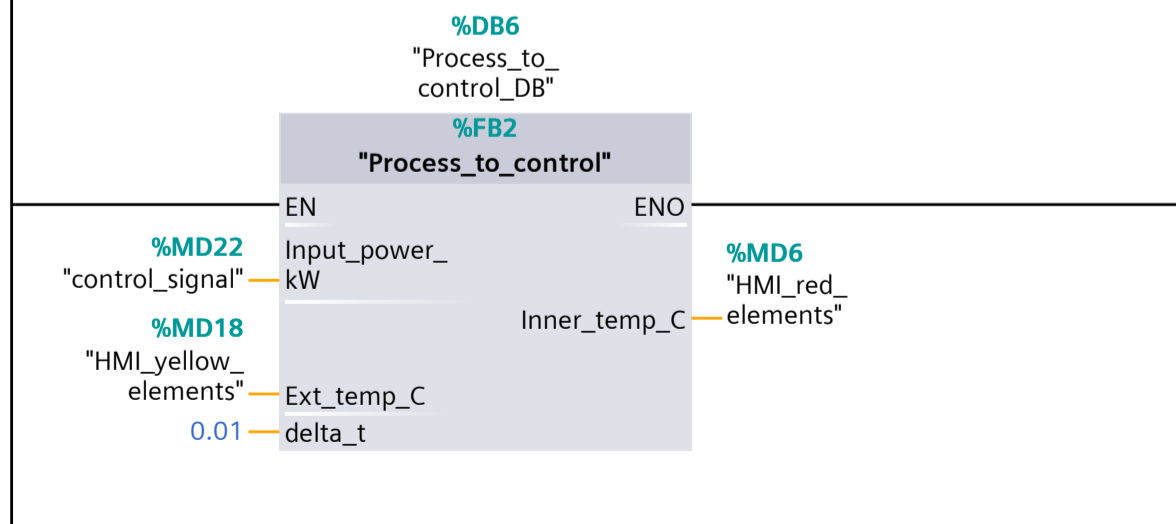
Symbol	Address	Type	Comment
"Controller_control_signal"	%MD26	Real	
"HMI_blue_elements"	%MD10	Real	
"HMI_red_elements"	%MD6	Real	
"switch_0"	%IO.0	Bool	

Network 4: If Man mode, green values from pot 0, else from Controller control signal



Symbol	Address	Type	Comment
"analog_pot_0"	%IW64	Word	
"control_signal"	%MD22	Real	
"Controller_control_signal"	%MD26	Real	
"HMI_green_elements"	%MD14	Real	
"switch_0"	%IO.0	Bool	

Network 5: Applying the control signal (coming from manual or controller source) to the controlled process.



Symbol	Address	Type	Comment
"control_signal"	%MD22	Real	
"HMI_red_elements"	%MD6	Real	
"HMI_yellow_elements"	%MD18	Real	