



Siemens Comfort Panel Pop-Up Windows

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Creating a Pop-Up screen

Under the HMI project, expand 'Screen Management' and then expand 'Pop-Up Screens'. Double click on 'Add New Pop-Up Screen' to add a new pop-up.



Rename the pop-up



Adjust the size of the pop-up by selecting the Properties tabs of the pop-up and then selecting Layout. The size of the pop-up cannot exceed the size of the panel.

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Add objects (buttons, data input/output fields, etc.) to the pop-up and parameterize. Faceplates can also be placed on a pop-up screen.



Add an exit/close button to close the pop-up. Assign the 'ShowPopupFunction' to the 'Press' event. Set the 'Name of the Screen' to the name given to the pop-up screen. Set the 'Display Mode' to Off. With these settings, the pop-up window will close when the Exit button is pressed.

Click Release Release Activate Change	Click Release Activate Deactivate Change	te	 ShowPopupScreen Name of the screen X coordinate X coordinate 	PopUpMoto
Release Name of the screen PopUpMoto Activate X coordinate 0 Deactivate Y coordinate 0 Change Display mode Off Animation Off Animation speed Medium <add function=""> Image</add>	Release Activate Deactivate Change	te 🗸	Name of the screen X coordinate	PopUpMoto
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			<add function=""></add>	

Triggering a Pop-Up screen with a button

One way of triggering the pop-up is with a button. Add a button on a screen to open the pop-up. Assign the 'ShowPopupFunction' to the 'Press' event. Set the 'Name of the Screen' to the name given to the pop-up screen. Set the 'Display Mode' to On. With these settings, the pop-up window will open when the button is pressed.

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Button 2 [Button]		Properties
Properties Animatio	ns Events Texts	
Click	▼ Shou@anupScrean	
Release	Name of the screen	PopUpMotor1
Activate	X coordinate	0
Deactivate	Y coordinate	0
Change -	. Display mode	On
	Animation	Off
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	<add function=""></add>	

Triggering a Pop-Up Screen with a PLC tag

Another way of triggering the pop-up is via a tag from the PLC. First, create a tag in the PLC. In the case below, a boolen tag called 'TriggerPopUpMotor1' was created in a Data Block (DB) called 'dbHMI'.

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	dbHMIData									
^	_	-	Na	me	Data type	Start value				
	1	-00	•	Static						
	2	-00	•	Timer1SP	Real	0.0				
	з	-00	•	Timer2SP	Real	0.0				
	4	-00	•	Drive	Array[110] of "hmiDriveData"					
≡	5	-00	•	TriggerPopUpMotor1	Bool	false				
	6		•	<add new=""></add>						

Create a tag in the HMI tags referencing the tag created in the PLC.

HMI tags							
Name 🔺	Tag table		Data type	Connection	PLC name	P	LC tag
dbHMIData_Drive{1}_Actua	alSpeed Default tag ta	ible	Int	HMI_Connectio	PLC_1	d	bhm
dbHMIData_Drive{1}_Fault	Reset Default tag ta	ible	Bool	HMI_Connectio	PLC_1	d	bHM
dbHMIData_Drive{1}_Spee	dReference Default tag ta	ible	Int	HMI_Connectio	PLC_1	d	bHM
dbHMIData_Drive{1}_Start	Default tag ta	ible	Bool	HMI_Connectio	PLC_1	d	bHM
dbHMIData_Drive{1}_Stop	Default tag ta	ible	Bool	HMI_Connectio	PLC_1	d	bHM
dbHMIData_Timer1SP	Default tag ta	ible	Real	HMI_Connectio	PLC_1	d	bHM
dbHMIData_Timer2SP	Default tag ta	ible	Real	HMI_Connectio	PLC_1	d	bHM
MyTextListTag1	Default tag ta	ible	Int	<internal tag=""></internal>		<	:Unde
dbHMIData_TriggerPopUpN	Notor1 Default tag ta	ible 💌	Bool 🔳	HMI_Conne	PLC_1	d	lbHM
<add new=""></add>							
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Discrete alarms Analog a	larms Logging tag	S					
ID Name	Alarm text	Alarm	n class Trigger tag	Trigge., Trigg	er address A	cknowledg Ackn H	MI a
dhHMIData TriggerPopLinMotor	r1 [HML Tag]			Properties	ter	Diagnostics	
dbrivinbata_ringgen opopniotor				roperties	<u>-</u>		
Properties Events Te	exts						
	neral						
Coneral							
Settings	General			Settings			
Range	Name:	dbHMIData_TriggerPop	UpMotor1		Data type:	Bool	
Linear scaling	Display name:				Length:	1	
Values	bispidy name.	di una comi come de la come de la			Lengen.		
Comment	PLC tag:	dbHMData.iriggerPop					
Multiplexing	Connection:	HMI_Connection_1	■		Coding:	Binary	-
Good Manufacturing Pra	PLC name:	PLC_1					
	Address:		•				
-							

In the Properties / Settings of the HMI Tag, set the 'Acquisition Mode' to 'Cyclic Continuous'.

HMI tags					
Name 🔺	Tag table	Data type	Connection	PLC name	PLC tag
dbHMIData_Drive{1}_ActualSpeed	Default tag table	Int	HMI_Connectio	PLC_1	dbHMIDa
dbHMIData_Drive{1}_FaultReset	Default tag table	Bool	HMI_Connectio	PLC_1	dbHMIDa
dbHMIData_Drive{1}_SpeedReference	Default tag table	Int	HMI_Connectio	PLC_1	dbHMIDa
dbHMIData_Drive{1}_Start	Default tag table	Bool	HMI_Connectio	PLC_1	dbHMIDa
dbHMIData_Drive{1}_Stop	Default tag table	Bool	HMI_Connectio	PLC_1	dbHMIDa
dbHMIData_Timer1SP	Default tag table	Real	HMI_Connectio	PLC_1	dbHMIDa
dbHMIData_Timer2SP	Default tag table	Real	HMI_Connectio	PLC_1	dbHMIDa
MyTextListTag1	Default tag table	Int	<internal tag=""></internal>		<undefin< td=""></undefin<>
dbHMIData_TriggerPopUpMotor1	Default tag table 🔹	Bool 🔳	HMI_Conne	PLC_1	dbHMIDa
<add new=""></add>					
<					[
Discrete alarms Analog alarms	Logging tags				
ID Name Alarr	n text Alarm	class Trigger tag	Trigge., Trigg	er address Acknowledg Ackn	HMI a
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	91		Properties	La Diagnostics	
Properties Events Texts					
Settings					
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Settings					
Range Acqu	isition mode: Cyclic continuous				-
Linear scaling	uisition cycle: 1 s				
Values					
Comment					
Multiplexing					
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In the Properties/Events area of the tag, assign the 'ShowPopupScreen' function to the 'Value Change' event. Set the 'Name of the Screen' to the name given to the pop-up screen. Set the 'Display Mode' to 'On'. Add another function called 'ResetBit' to reset the tag (in this case the same tag dbHMIData.TriggerPopUpMotor1). When the HMI sees a rising edge on the tag, it will open the pop-up and then reset the tag. The user must program an 'exit' button (as described above) to close the popup.

dbHMIData_Tr	riggerPopUpMotor1	Default tag table 💌	Bool 🔢	HMI_Connection_1	PLC_1	dbHMIData.Trigg	gerPopUpMoto	or1
<add new=""></add>								
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	1	1	1	A				
Discrete alarms	Analog alarms	Logging tags						
dbHMIData_TriggerP	opUpMotor1 [HMI_]	Tag]				Section 24 Properties	1 Info	🛛 🛛 Diagnost
Properties Eve	ents Texts							
Value change		PopupScreen			PopUp	oMotor1		
	X	coordinate			0			
	Y	coordinate			0			
	Di	splay mode			On			
	Ar	nimation			Off			
	Ar	nimation speed			Mediu	m		
	▼ Reset	tBit						
	Ta	g (Input/output)			dbHM	IData_TriggerPopUp	Motor1	