



Siemens Comfort Panel Pop-Up Windows

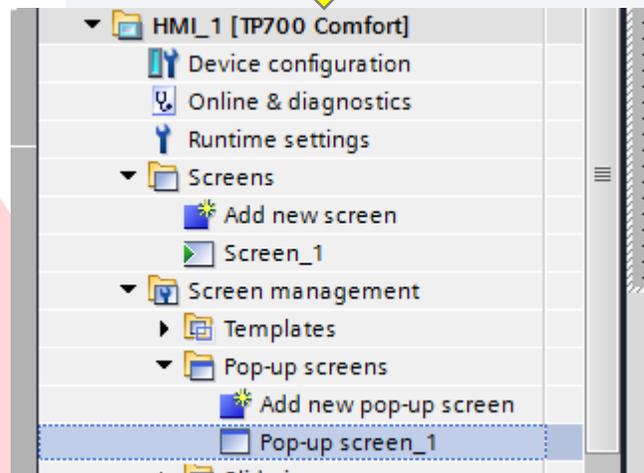
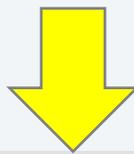
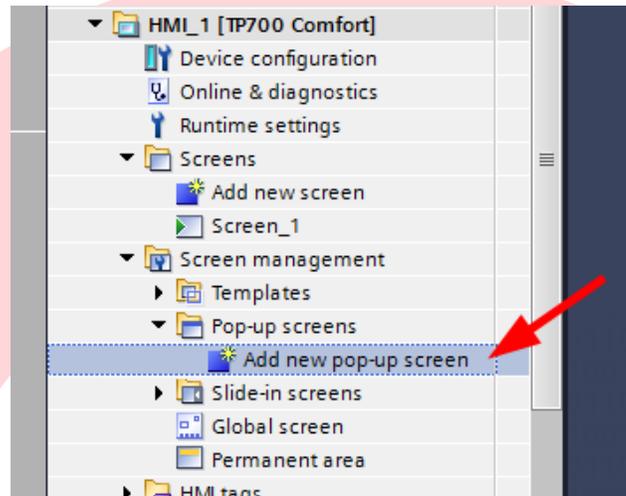
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Siemens Comfort Panel Pop-Up Screens

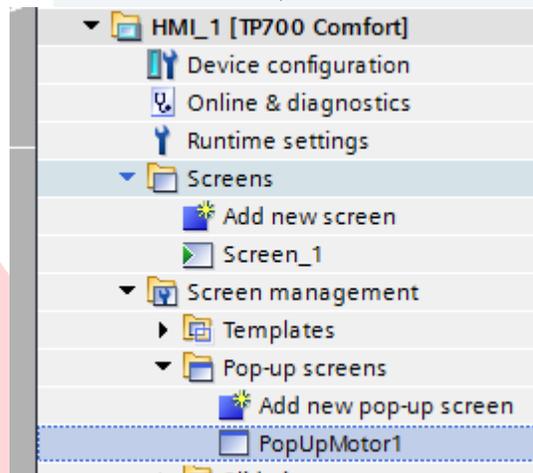
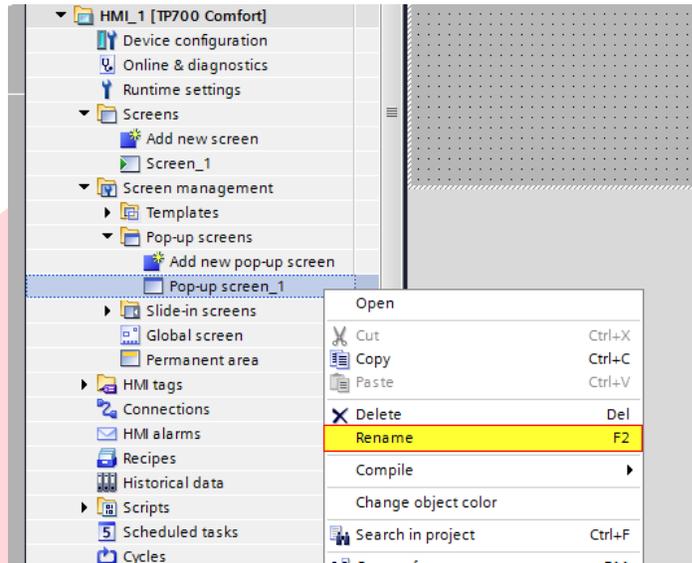
Creating a Pop-Up screen

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.



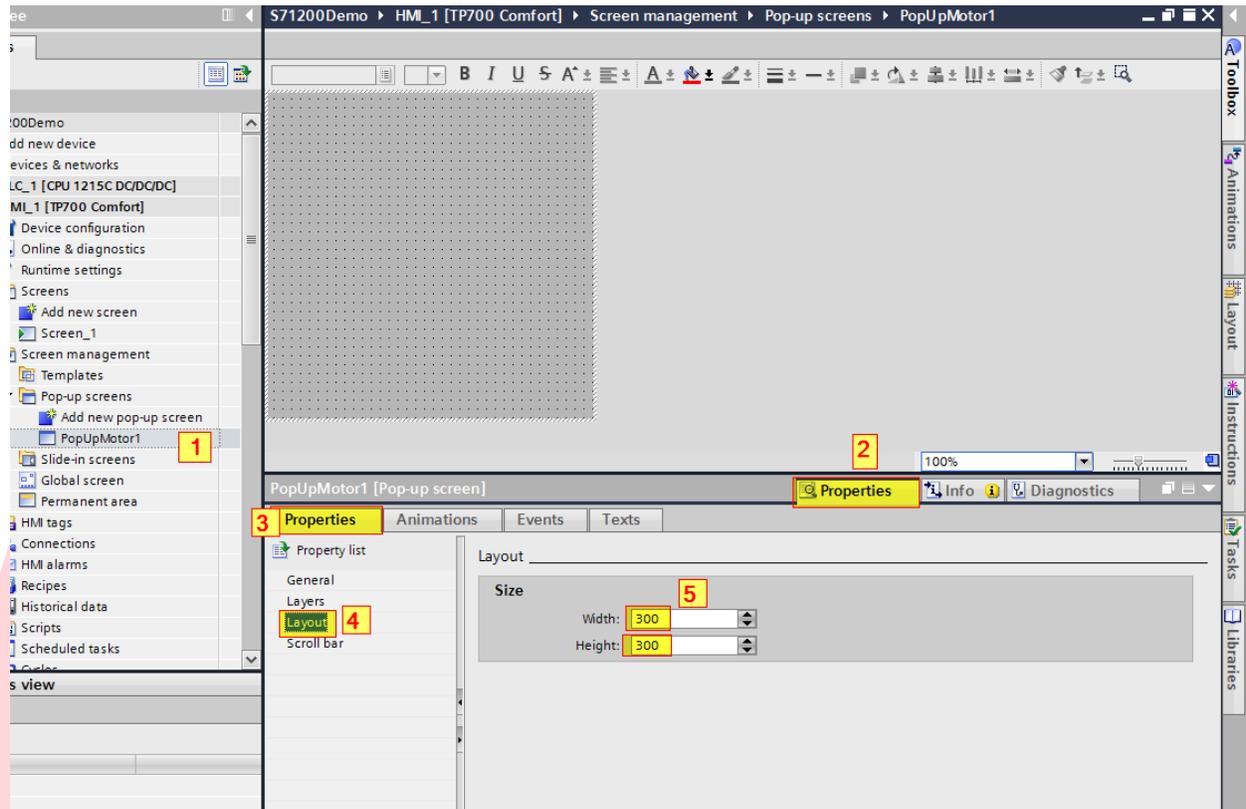
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Rename the pop-up

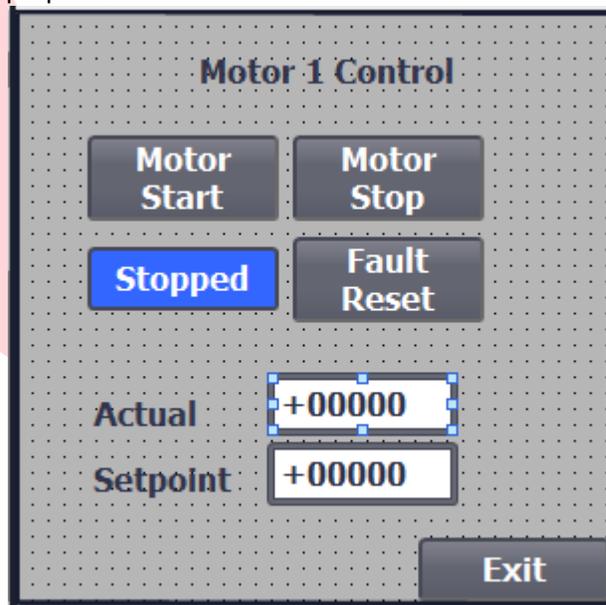


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Adjust the size of the pop-up by selecting the Properties tabs of the pop-up and then selecting Layout. The size of the pop-up cannot exceed the size of the panel.

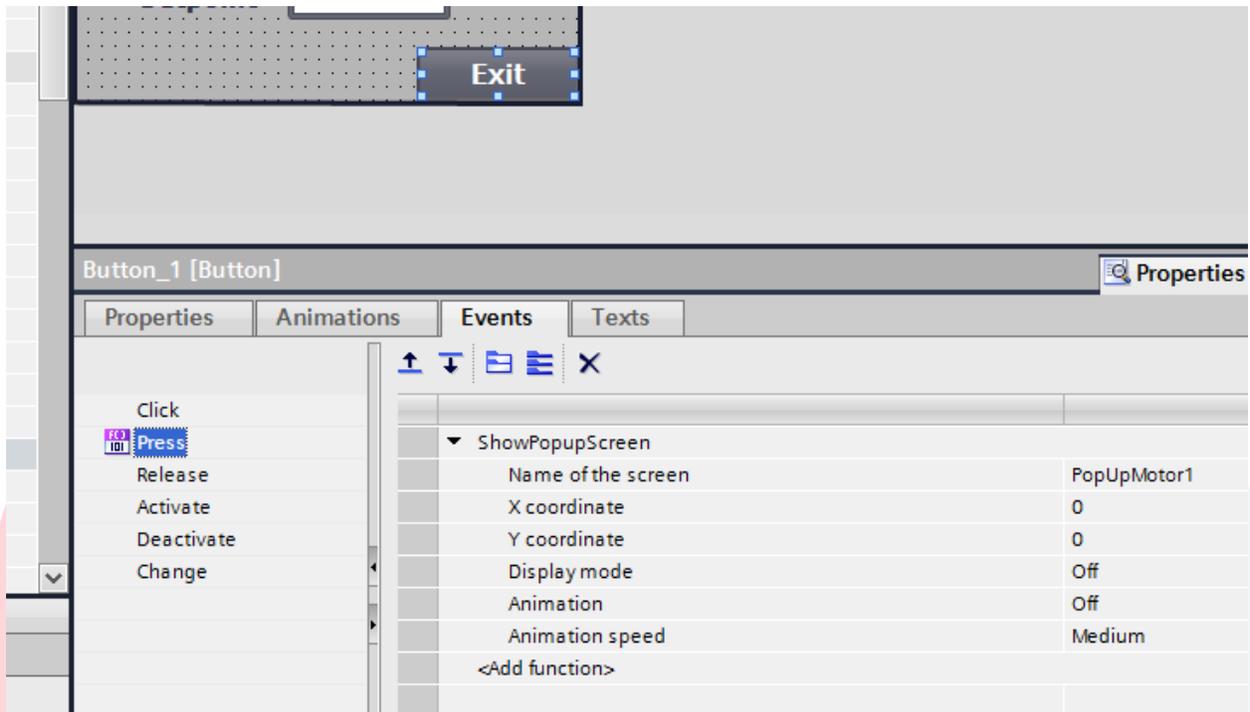


Add objects (buttons, data input/output fields, etc.) to the pop-up and parameterize. Faceplates can also be placed on a pop-up screen.



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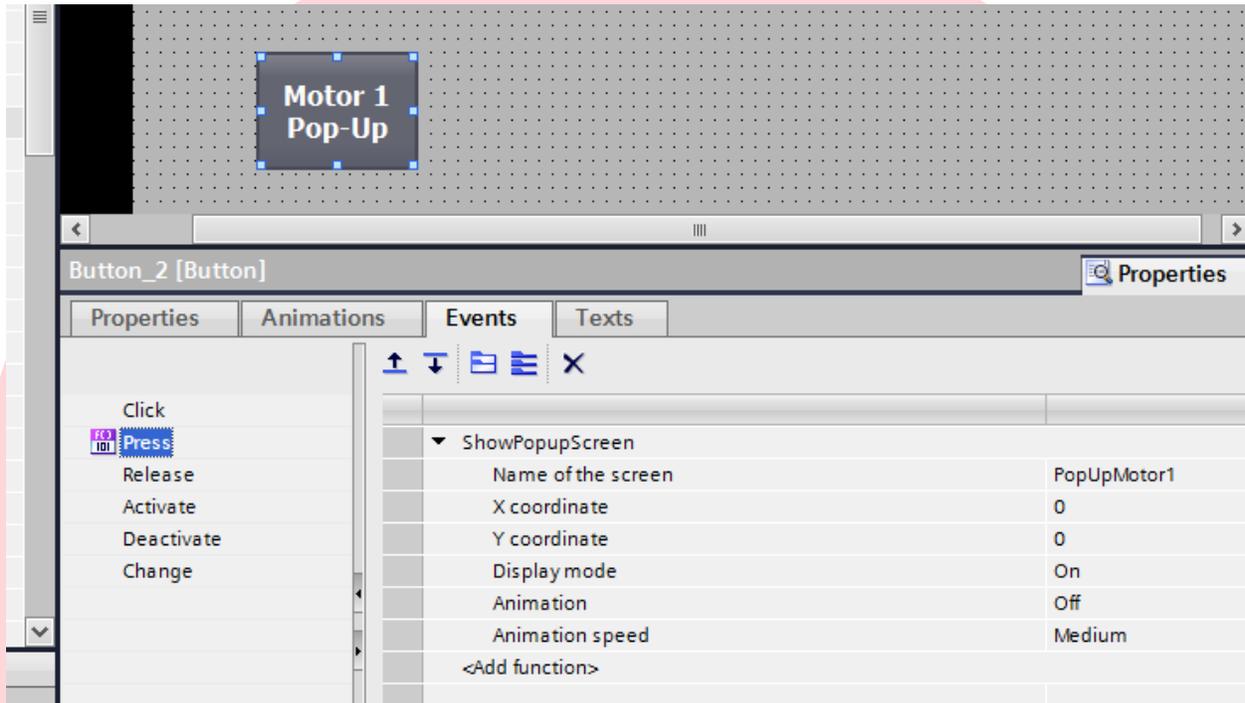
Add an exit/close button to close the pop-up. Assign the 'ShowPopupFunction' to the 'Press' event. Set the 'Name of the Screen' to the name given to the pop-up screen. Set the 'Display Mode' to Off. With these settings, the pop-up window will close when the Exit button is pressed.



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Triggering a Pop-Up screen with a button

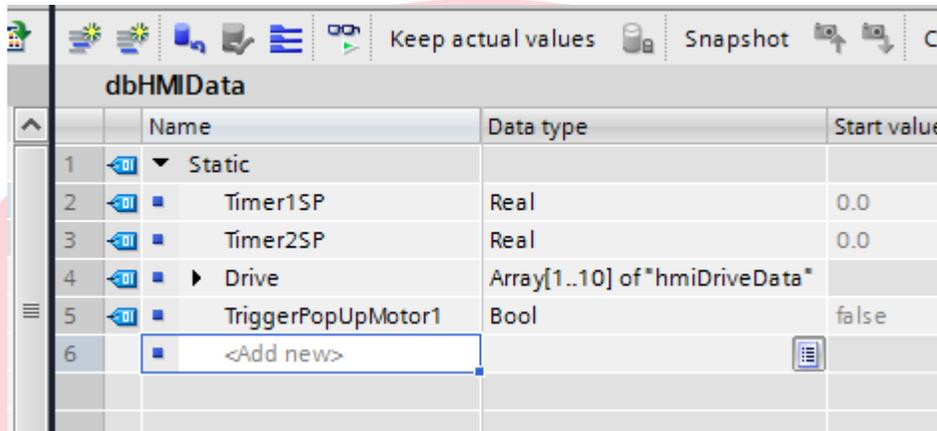
One way of triggering the pop-up is with a button. Add a button on a screen to open the pop-up. Assign the 'ShowPopupFunction' to the 'Press' event. Set the 'Name of the Screen' to the name given to the pop-up screen. Set the 'Display Mode' to On. With these settings, the pop-up window will open when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



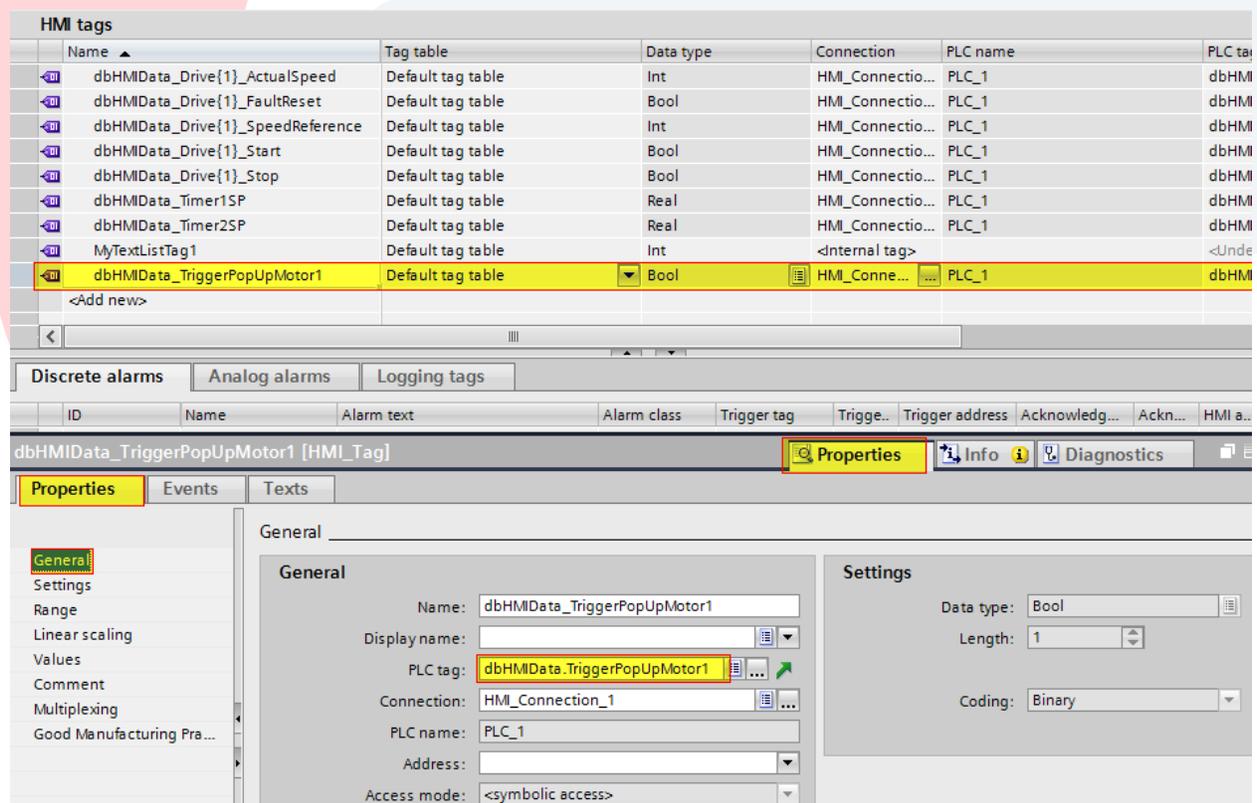
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Triggering a Pop-Up Screen with a PLC tag

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 boolean tag called 'TriggerPopUpMotor1' was created in a Data Block (DB) called 'dbHMI'.



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



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

The screenshot shows the 'HMI tags' list with 'dbHMIDData_TriggerPopUpMotor1' selected. Below, the 'Properties' window is open to the 'Settings' tab. The 'Acquisition mode' is set to 'Cyclic continuous' and the 'Acquisition cycle' is '1 s'.

Name	Tag table	Data type	Connection	PLC name	PLC tag
dbHMIDData_Drive{1}_ActualSpeed	Default tag table	Int	HMI_Connectio...	PLC_1	dbHMIDa
dbHMIDData_Drive{1}_FaultReset	Default tag table	Bool	HMI_Connectio...	PLC_1	dbHMIDa
dbHMIDData_Drive{1}_SpeedReference	Default tag table	Int	HMI_Connectio...	PLC_1	dbHMIDa
dbHMIDData_Drive{1}_Start	Default tag table	Bool	HMI_Connectio...	PLC_1	dbHMIDa
dbHMIDData_Drive{1}_Stop	Default tag table	Bool	HMI_Connectio...	PLC_1	dbHMIDa
dbHMIDData_Timer1SP	Default tag table	Real	HMI_Connectio...	PLC_1	dbHMIDa
dbHMIDData_Timer2SP	Default tag table	Real	HMI_Connectio...	PLC_1	dbHMIDa
MyTextListTag1	Default tag table	Int	<Internal tag>		<Undefin
dbHMIDData_TriggerPopUpMotor1	Default tag table	Bool	HMI_Conne...	PLC_1	dbHMIDa

dbHMIDData_TriggerPopUpMotor1 [HMI_Tag] Properties

Settings

Acquisition mode: Cyclic continuous

Acquisition cycle: 1 s

Update ID:

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 dbHMIDData.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 pop-up.

The screenshot shows the 'Events' tab for the tag 'dbHMIDData_TriggerPopUpMotor1'. The 'Value change' event is selected, and the 'ShowPopupScreen' function is assigned to it. The 'Name of the screen' is 'PopUpMotor1', 'Display mode' is 'On', and 'ResetBit' is assigned to the tag 'dbHMIDData_TriggerPopUpMotor1'.

dbHMIDData_TriggerPopUpMotor1 [HMI_Tag] Properties

Events

Value change

ShowPopupScreen

Name of the screen: PopUpMotor1

X coordinate: 0

Y coordinate: 0

Display mode: On

Animation: Off

Animation speed: Medium

ResetBit

Tag (Input/output): dbHMIDData_TriggerPopUpMotor1