Blinds action after wind alarm with free@home Blinds shall remain opened after wind alarm

GPG Building Automation

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System:	free@home	Product:	free@home	
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Introduction

It may occur on windy days that a blinds "wind alarm" is triggered and the blind first moves into the position for wind alarm and then back to its previous position (10 minutes without gusts). These instructions explain the steps to be taken, so that the blinds remain up.

Objectives of the document

 The purpose of this document is to provide guidance to the electrician and/or user so he can set the blind up after a wind alarm.

Content

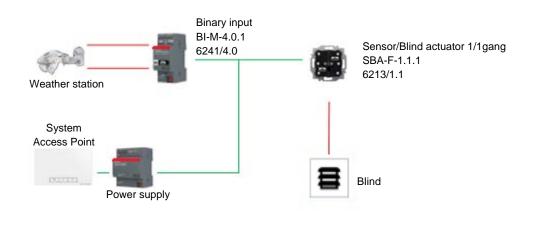
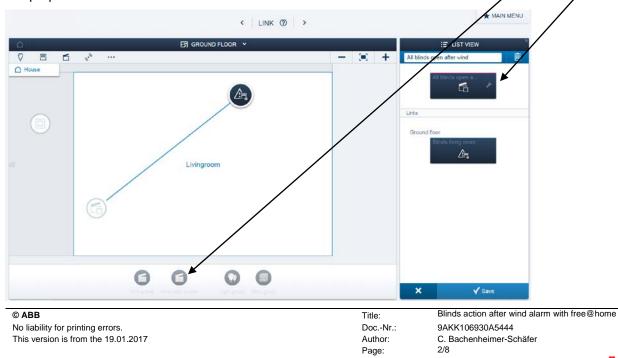


Fig. 1: Overview diagram

Option 1:

1. If you want the blinds to remain opened, you first have to create a new scene, e.g. "All blinds open after wind", in which the position of the respective blind is "Open". You can also use an "Automatic light scene" for this purpose.

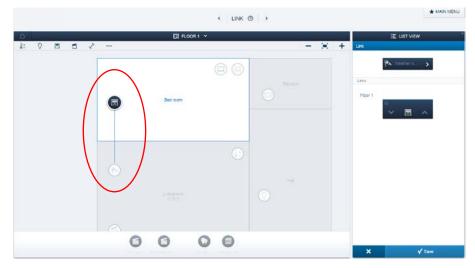




2. It is recommended to place the light scene directly next to the weather station, so that it may not get accidentally changed by the customer or other users.

<	LINK ⑦ →	MAIN MENU
C FILCOR 1 Y	E LIST VIEW	2
	- 🖃 🕂 Livingroom	
	Filters	~
	All blinds open	6
	Weather station	
Livingroom	Hal	
Ovin sceAutomatic sceLight gnBind g		

3. In the next step, the respective blind drives are linked with the wind alarm:



If the setpoint defined in the weather station is exceeded, the blinds move up. They remain locked as long as this value is not exceeded for at least 10 minutes. This is visualized in the interface by a warning symbol.

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4. To keep the blinds open, you have to open the actions menu:

		МА	IN MENU			Î
HOUSE STRUCT					PANEL	
Design a house structure by creating floors and rooms	Allocation of devices	Link devices and loads, Create groups and scenes.	Create time profiles, Set circuits	Create and edit your actions	Configuration of the panel	
Installer					Device configuration	Preference

5. By clicking "+", you can create a new action.

	< ACT	IONS () >	★ MAIN MENU
	NEW ACTIO	N	
Precondition	Event	Action	Notification
C i i	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	• Ō	
Select one or several preconditions which have to be met before an event can be triggared.	Select one or several sensors which are to trigger the event.	Select one or several actuators which are to be activated during an event.	Define a notification which is to be sent when the event occurs:
Add precondition	Add event	Add actuator	Add notification
	+	Norw action	

C	CREATE NEW AC	CTION		
st on t.	Action			
	Action	All blinds open after wind		
	Name	All blinds open after wind	1	
		×	✓	

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6. In the event section you can choose the sensor which is to trigger the wind alarm:

	AL	GLINDS OPEN AFTER WIND		
condition	Event	Action	Notification	
~	By day	۲		
31	Calendar		2	· 🖂
	Dim actuator	\odot		
	Indoor temperature			
	Movement	\odot		
	Sensor	Ø		
	Switch actuators	0		
	Time	6		
	Wind Alarm			
	×			

7. Now, you need to set the switching delay of the wind alarms' parameter "Wind start". Set a delay of about 300 sec (It should not be longer than the wind alarms' 10 minute switch-off delay, but to be on the safe side, it should also not directly occur after the wind alarm is triggered).

	ALL BLINDS OPEN	AFTER WIND
Precondition		Action
31	Wind Alarm Wind alarm channel Weather station	Õ
	Wind Alarm Wind start Wind end Switching dolay [5]	
	_ <u>300</u> +	
	Хок	Add actuator
		All blinds open

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8. Now chose the previously created scene "All blinds open after wind" as an action:

		ALL BLINDS OP	EN AFTER WIND		
condition	Event		Action		Notification
			Filters	~	
MAD .	11		۵		R
01	0		Floor 1 > Hall		
			0	\bigcirc	
			Floor 1 > Livingroom		
			All blinds open		
			Poom temperature controller		
			Cound floor > Front garden		
			Olitidoor lighting	\bigcirc	
			Of and ficer > Livingroom		
			All blinds open after wind	G	
			Blinds living room		
		word	*		

9. The action is to be started at the occurrence of the event:

		< ACTIONS (2) >		* MAIN MENU
	ALL	BLINDS OPEN AFTER WIND		
Precondition	Event		Notif	fcation
SIC .	C.	All binds of Durng • Occurrence of the even Cancellation of the even	G /	
		×	Ok	
		ter Correction At blends open		

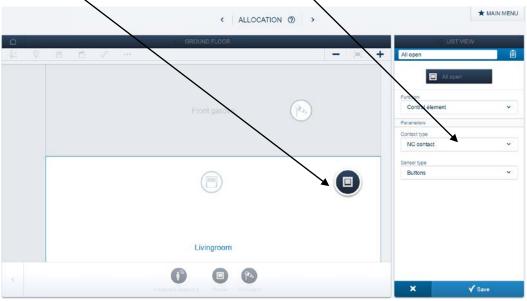


Option 2 – Using 2 binary inputs:

- 1. To prevent the blinds from moving down after the wind alarm, the switch contact of the conventional wind sensor must be connected to 2 binary inputs.
- 2. The blind actuators can be pulled via drag-and-drop onto the floor plan and linked with the respective control elements as usual.
- 3. The wind alarm symbol is pulled into the floor plan and then linked with the first binary input.



4. A sensor function is pulled into the floor plan. The second binary input, which is to be activated during wind alarm, is selected and then parameterized as "**NC contact**".

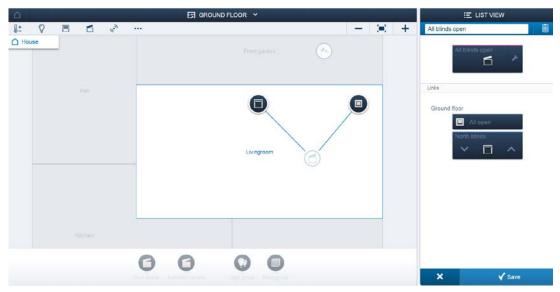


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5. A light scene "All blinds open" is then pulled into the floor plan and linked with the respective windows as well as the second binary input.



References to other documents

- FAQ Home and Building Automation
- FAQ free@home
- Engineering Guide Database

