Automatic shading function with free@home

Applications during summer and winter

GPG Building Automation

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It **does not** replace the necessary technical documentation required for planning, installation and commissioning of the product. Technical details are subject to change without notice.

Despite checking that the contents of this document are consistent with the current versions of the related hard and software of the products mentioned within, deviations cannot be completely excluded. We therefore assume no liability for correctness. Necessary corrections will be introduced as and when new versions of the document are generated.

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Introduction

This document helps in the creation of a shading function with free@home. The shading function helps to avoid the heating-up of room on summer days. On winter days the heat generation, in contrast, shall be used to reduce e.g. the heating costs.

Objectives of the document

- The purpose of this document is to provide guidance to the electrician and/or user in setting up an automatic shading function in summer as well as in winter.

Content

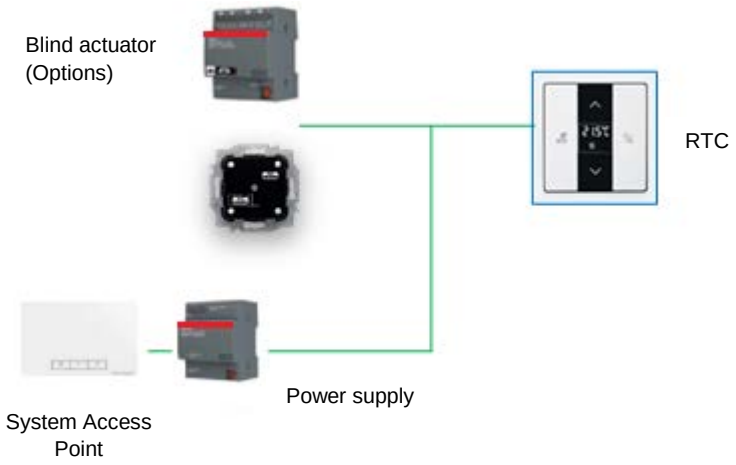
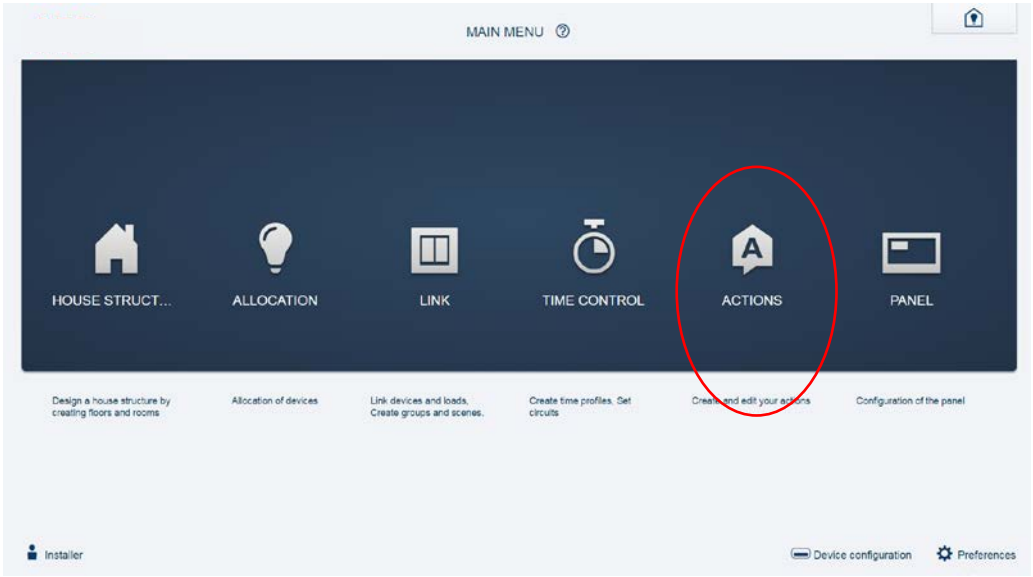
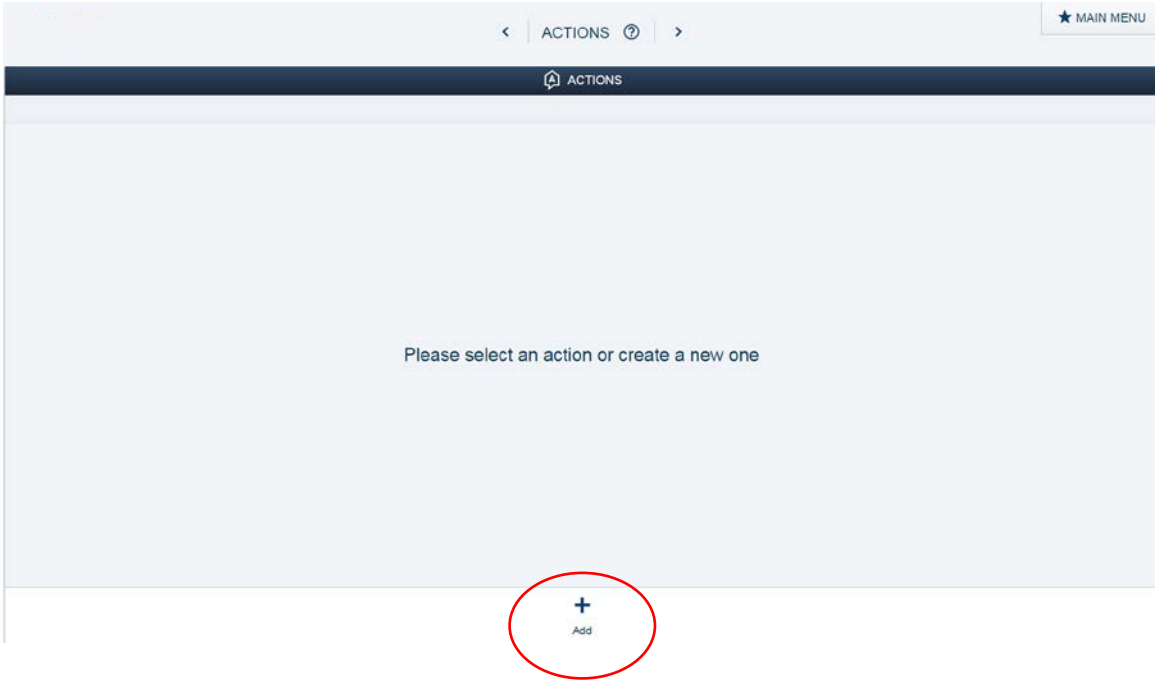


Fig. 1: Overview diagram

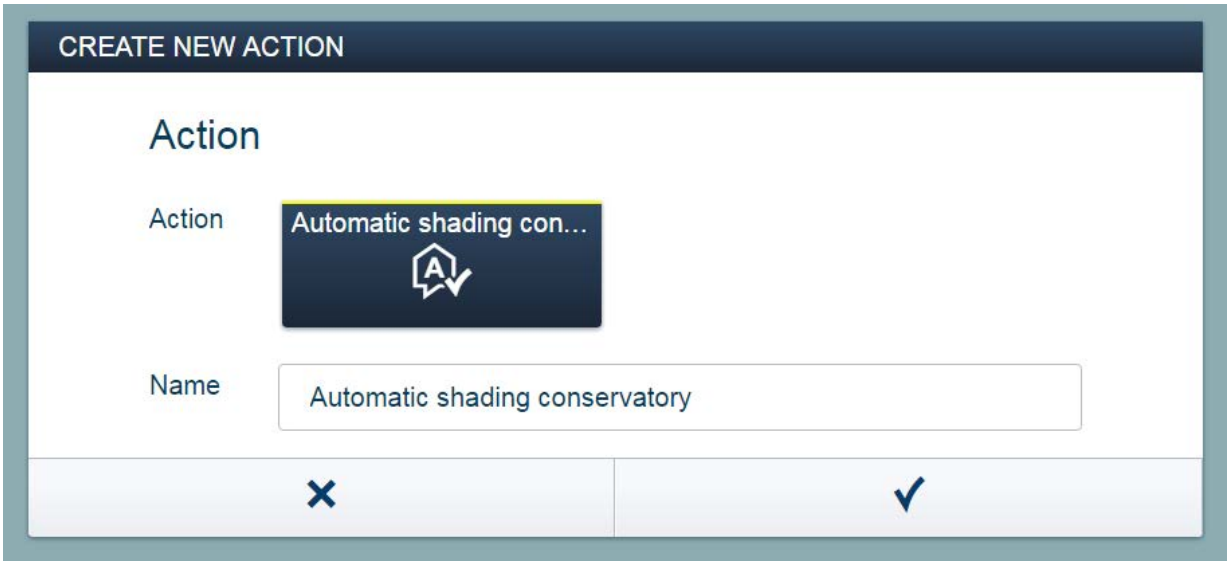
1. Open the actions screen:



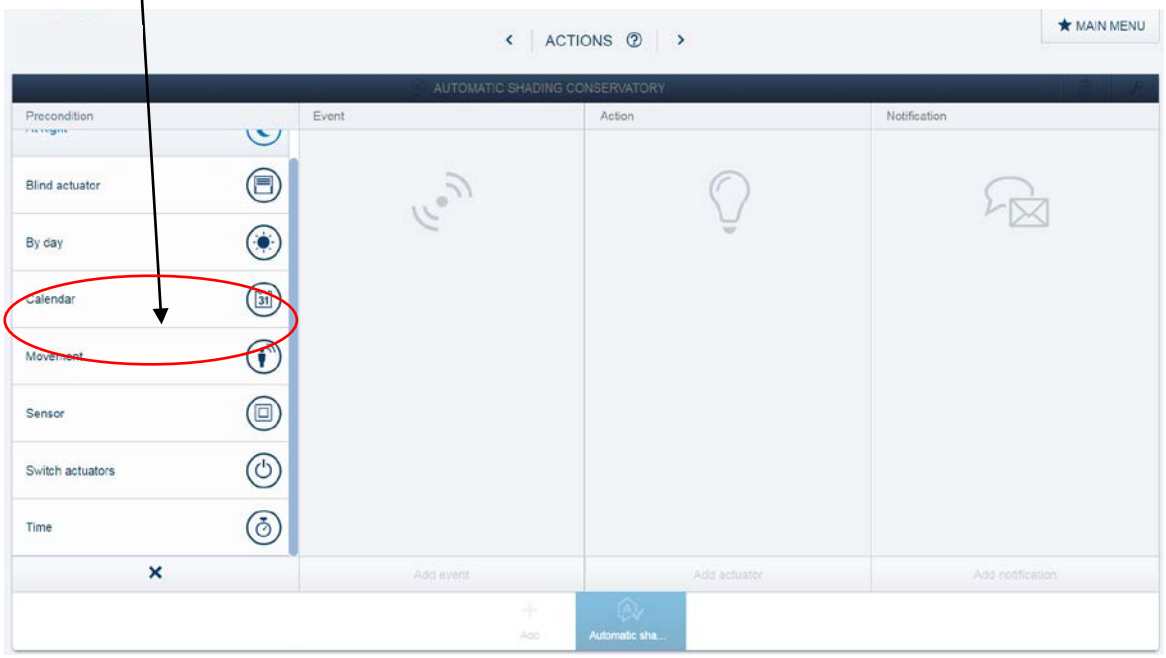
2. Add a new action:



3. Name the action – e.g. “Automatic shading conservatory”

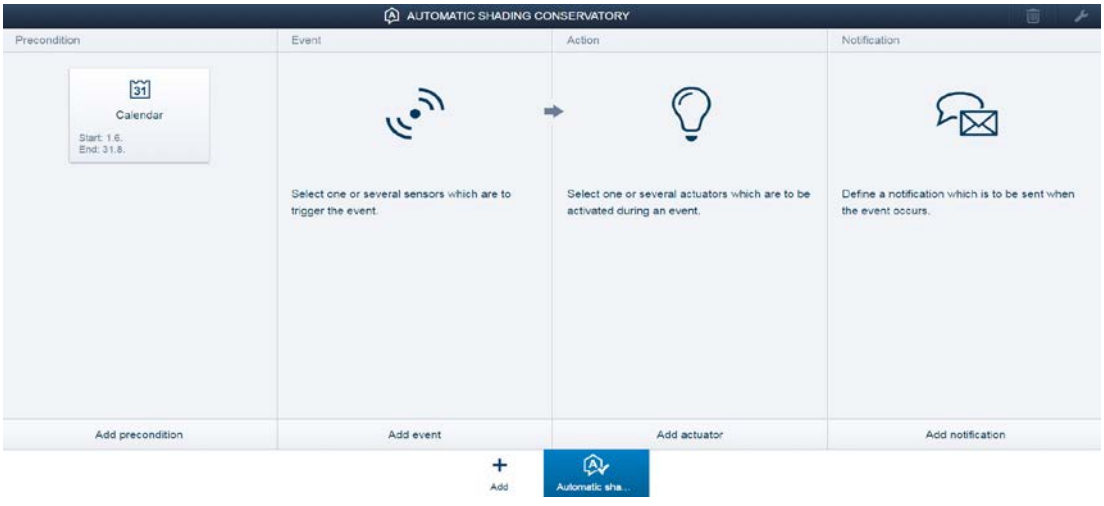


4. When the action shall be active on summer days only, you must select a certain period of time as precondition. Otherwise, you can skip this step.

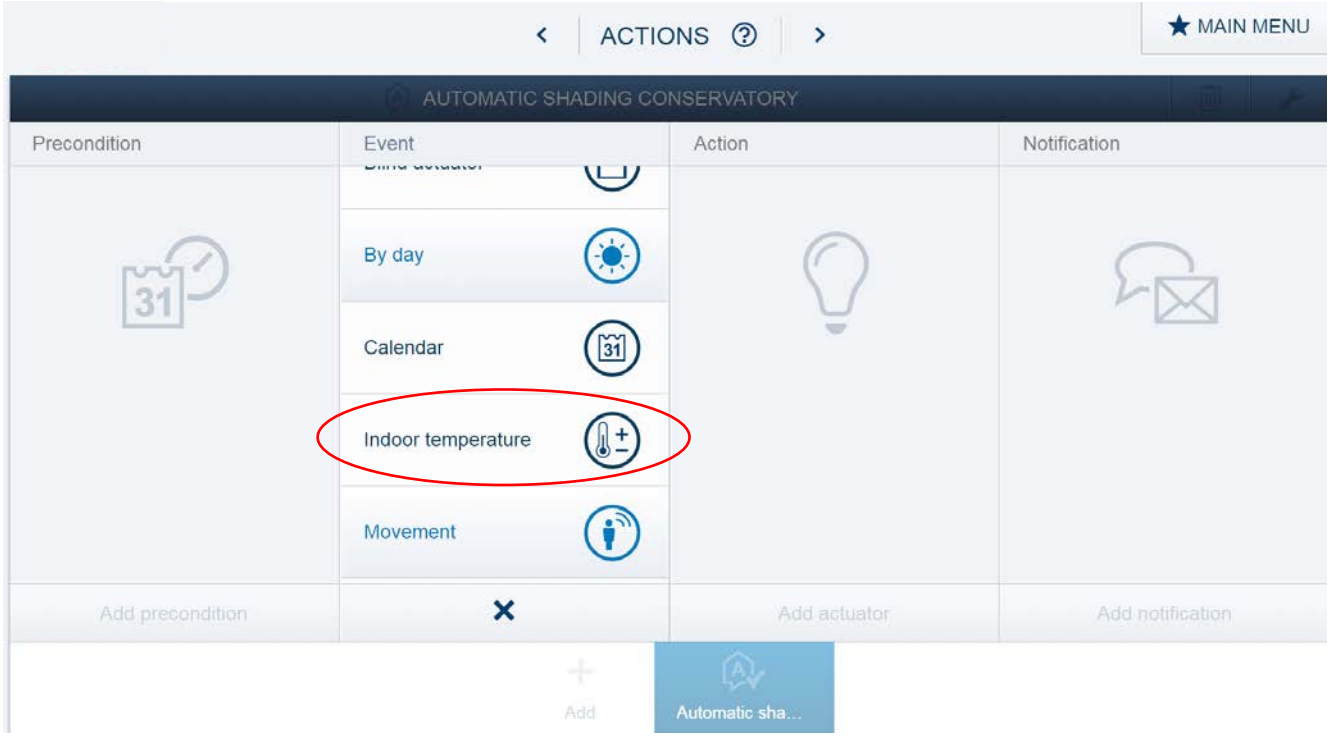


For example: 1st June – 31st August; Confirm with “OK”:

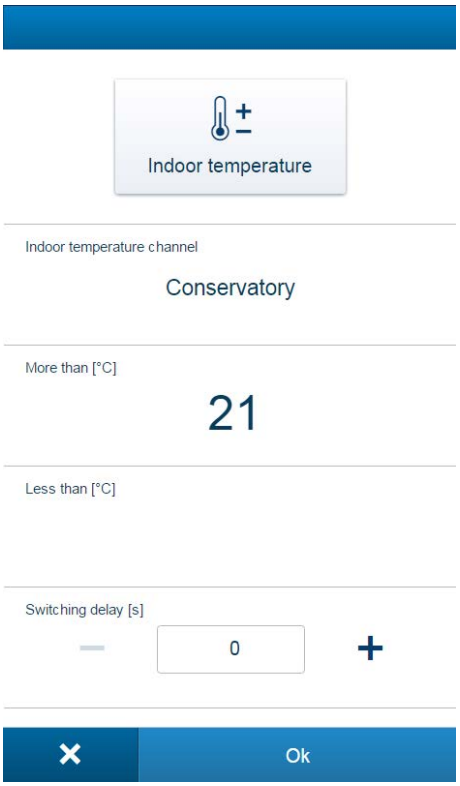
You can now complete other conditions in the preconditions area. This could be, e.g. a lux value. All conditions then are “AND”-connected.



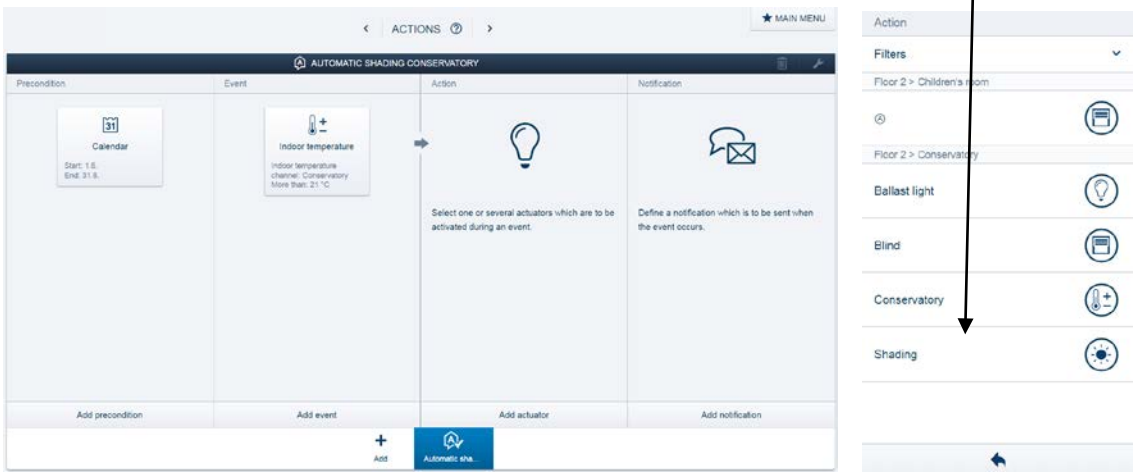
5. 3.5 Select the function “Indoor temperature” in the menu item “Events”:



6. Use the channel to select the desired controller and threshold value:

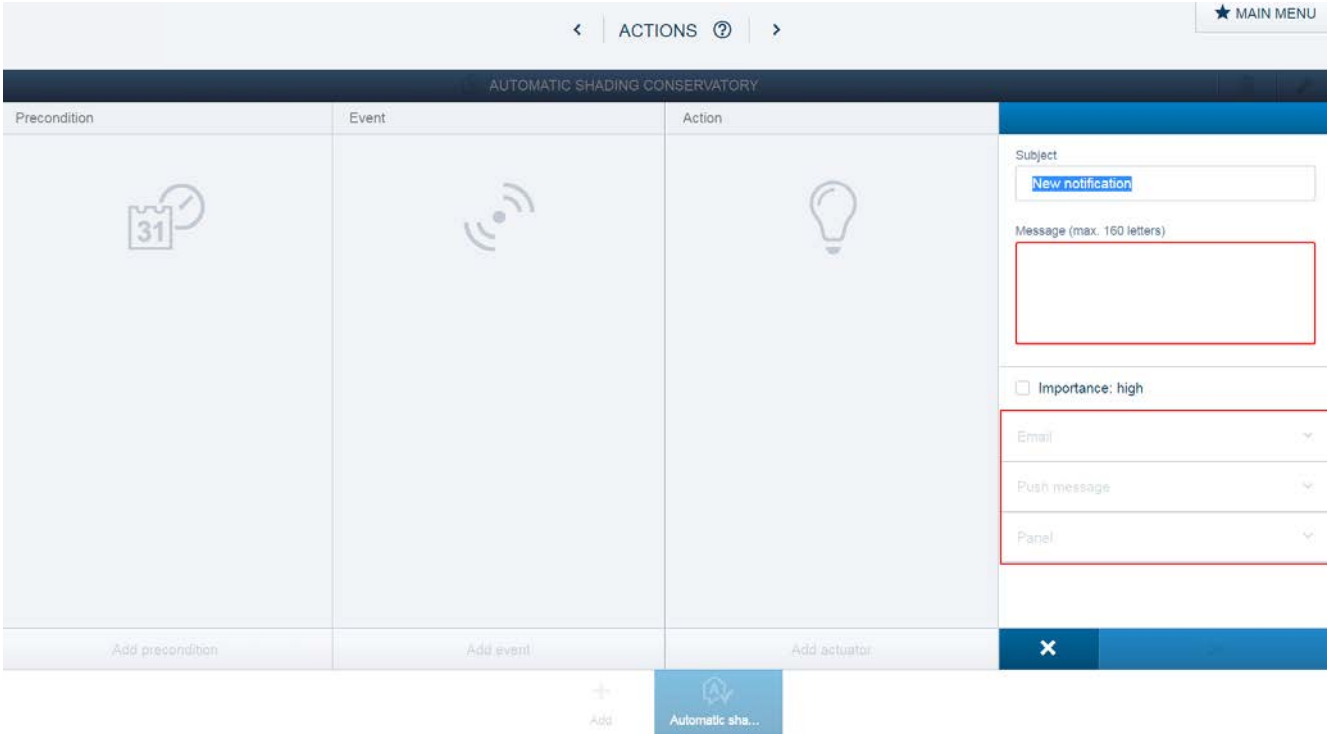


7. In the actions area you can now select the desired command, e.g. a predefined position in a light scene, or a movement command



8. You can select a separate action for the occurrence and cancellation of an event, e.g. to move up a blind when the temperature falls below a certain threshold. On this purpose, add a further action:

9. You can also arrange for an e-mail or push notification to be sent in the menu item “Add notification”. In order to do so, you previously need to create an account in the myABB / myBusch-Jaeger portal of the Busch-Jaeger website. If a room is overheated (and you may need to take further measures), or if you need to keep an eye on certain rooms (e.g. sever rooms), this can be very useful.



References to other documents

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