

Using smoke alarm detectors with free@home

Integration of smoke alarm detectors

GPG Building Automation

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System: free@home

Product: free@home

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Liability Disclaimer:

This document serves the sole purpose of providing additional, technical information and possible application and use cases for the contained products and solutions.

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.

Introduction

The following example described in this document helps in the creation of a smoke alarm detector function with free@home. In the free@home system we want to network smoke detectors. When one of the detectors is triggered, we want a light scene to be activated, e.g. "escape route – open blinds" and/or "Escape route lighting".

Objectives of the document

- The purpose of this document is to provide guidance to the electrician and/or user by which he can set up a small smoke alarm detector function with free@home.

Content

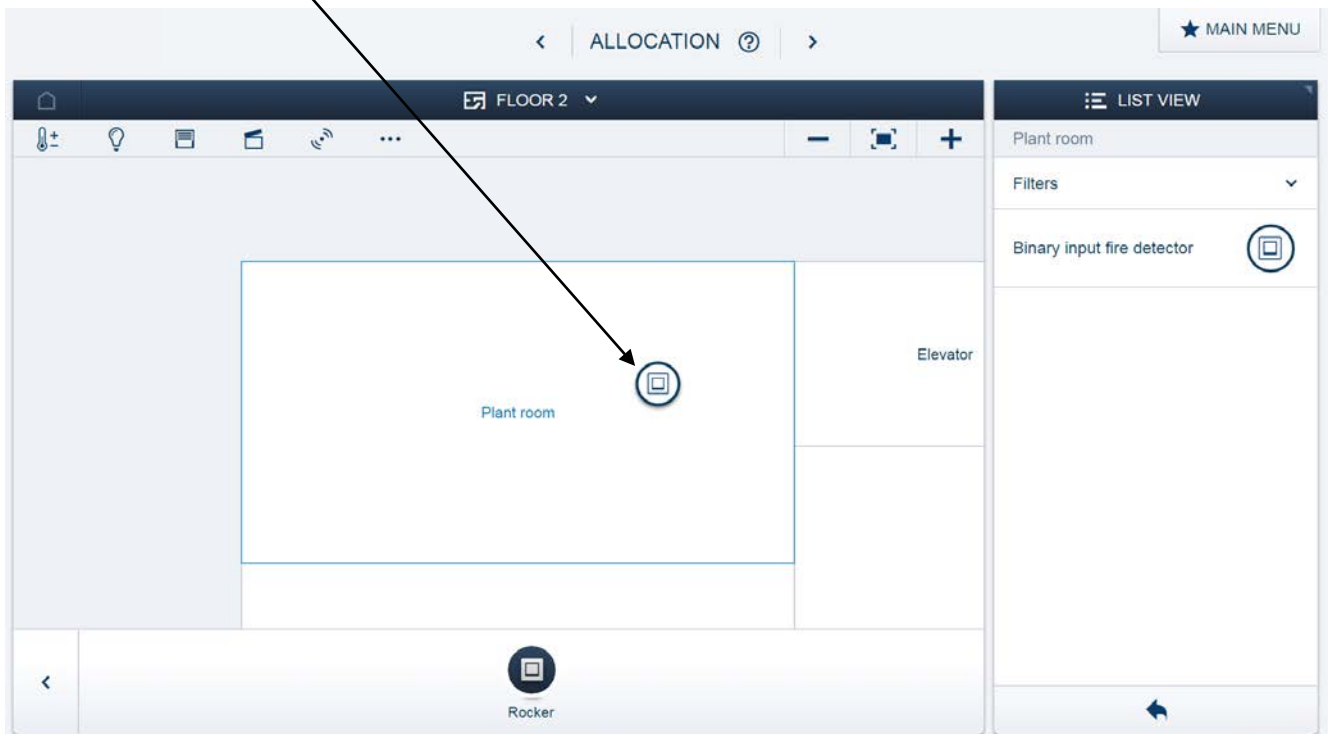


Fig. 1: Overview diagram

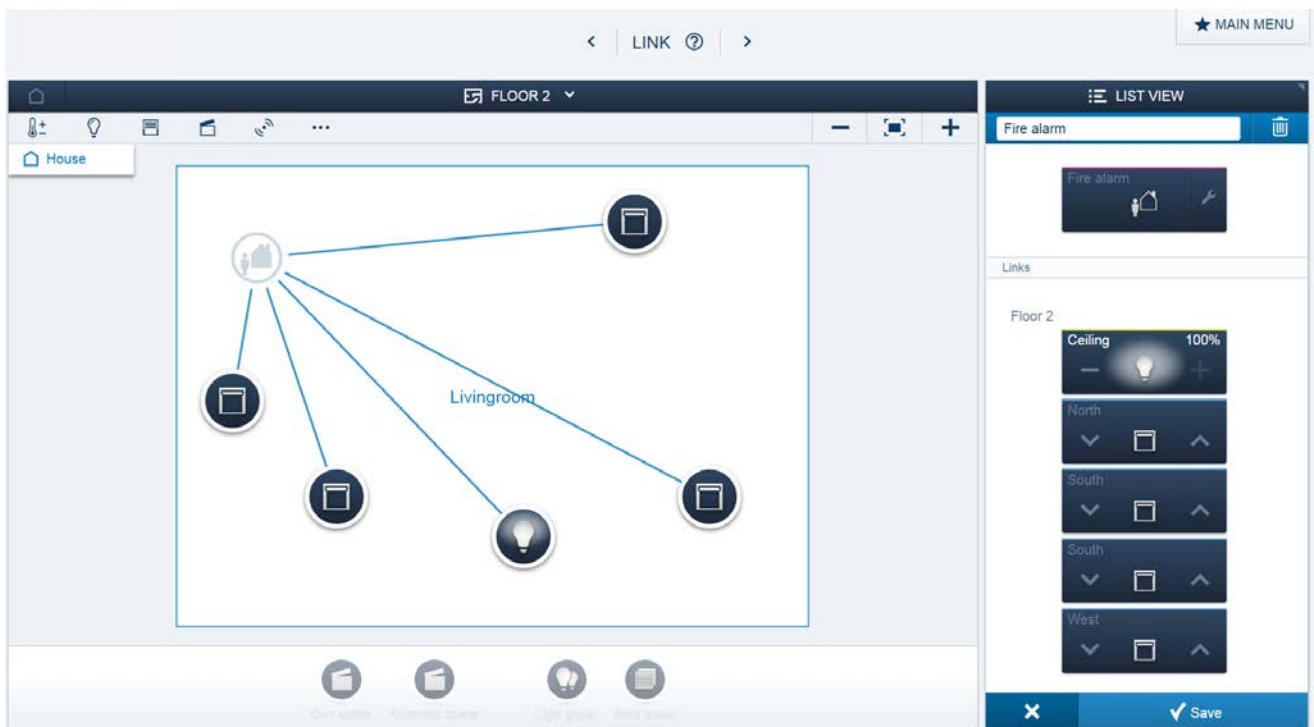
Note:

- There must be at least one detector with radio module.
 - Since the release of free@home 2.0 it is possible to send an additional e-mail or notification.
1. The smoke detector as well as the relay module are linked wirelessly, as described in the manual. The NO contact is connected to the relay module's binary input.

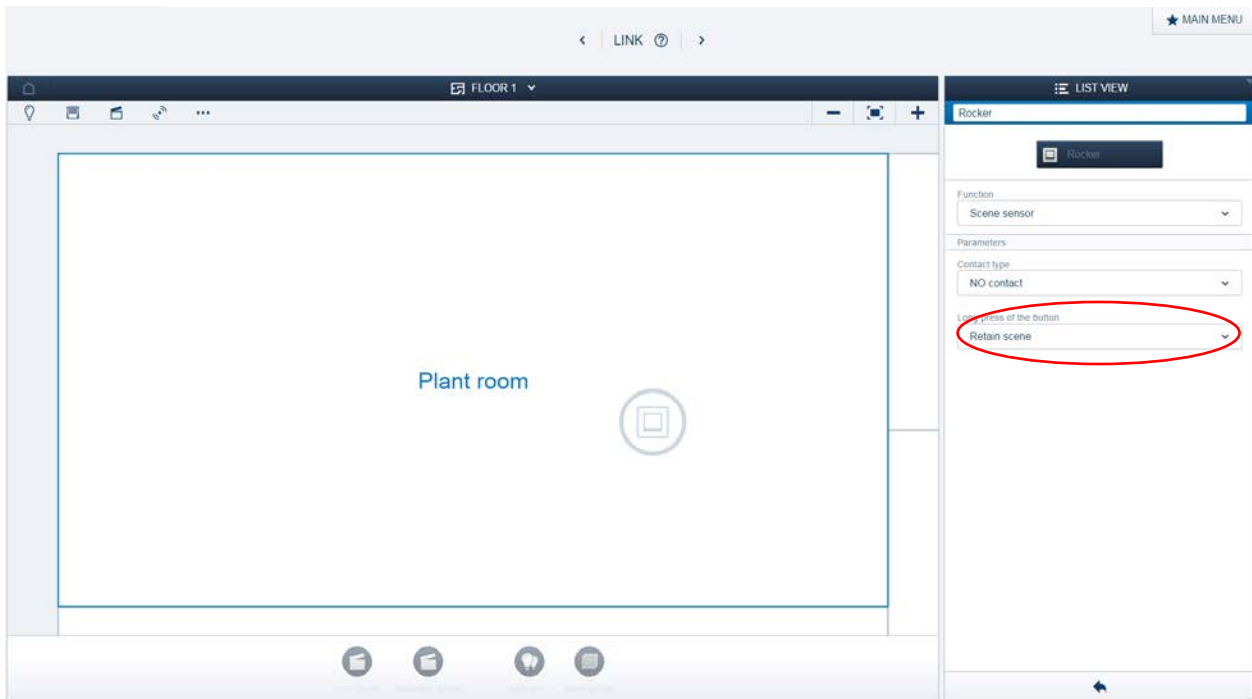
2. Drag the **binary input** into the floor plan, for example into the plant room. It serves as actuator there.



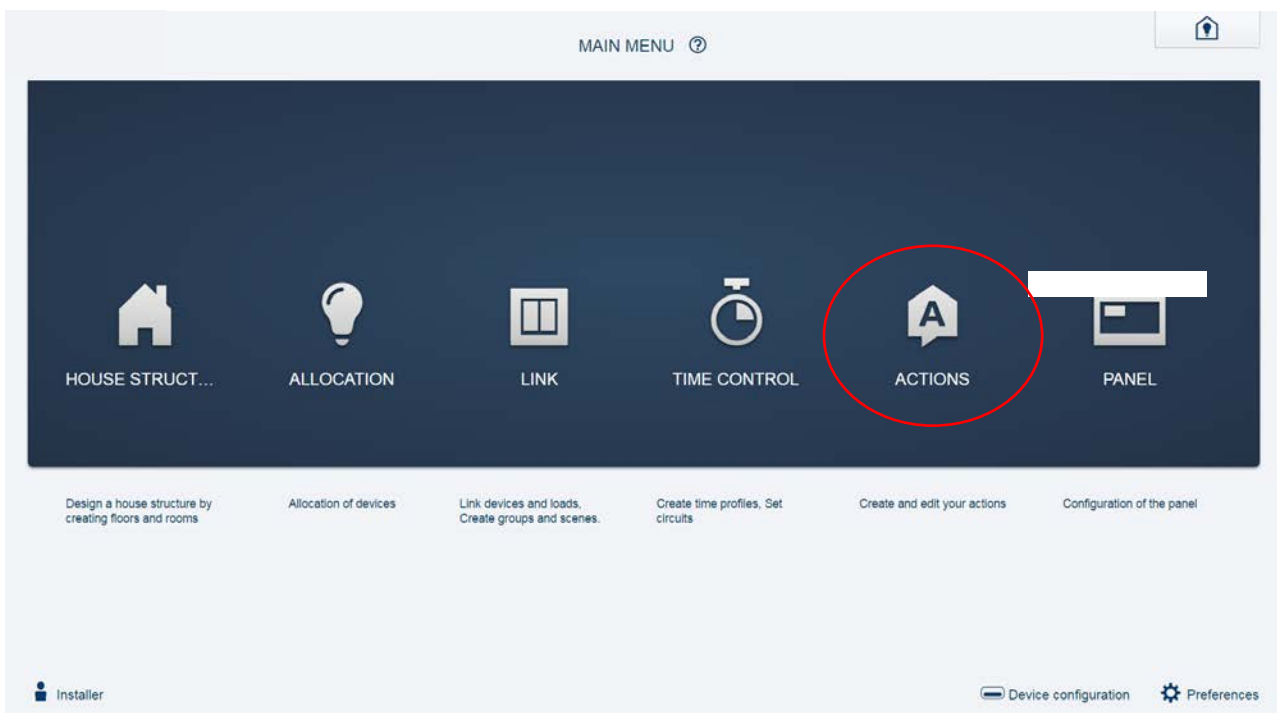
3. Create a light scene "Fire alarm", during which the blinds shall move up and the lights shall light up.



- Link the binary input with the light scene "Fire alarm". Make sure you have DEACTIVATED the function "Long press of the button > Retain scene".

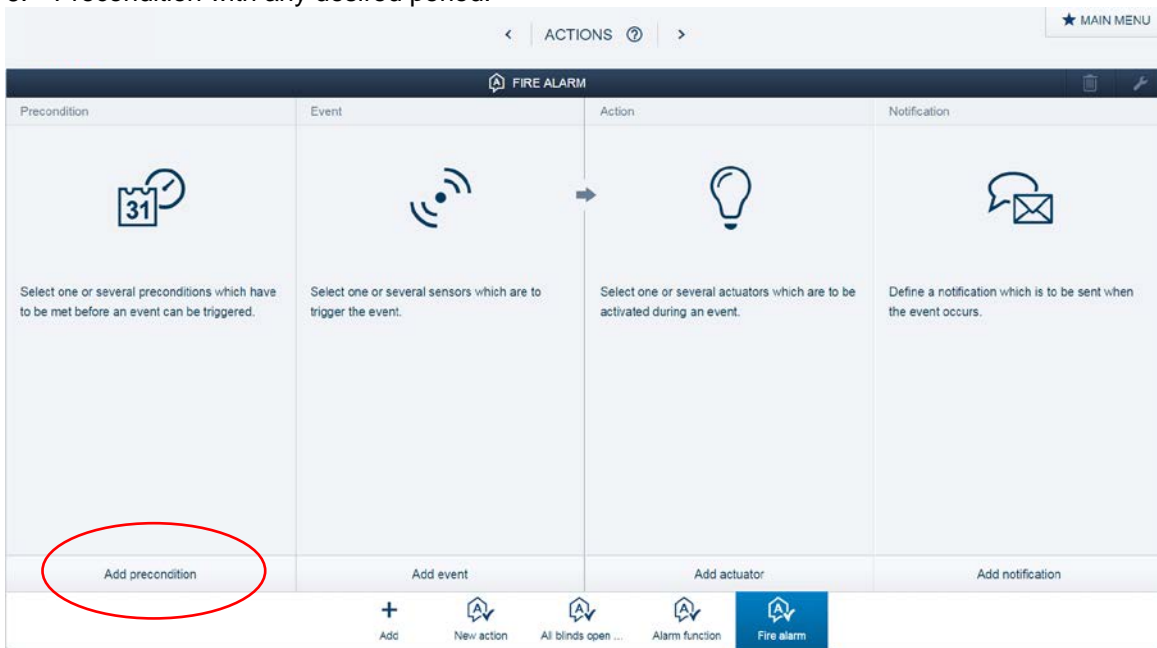


- Since the release of free@home 2 you can also send a message via the actions screen.

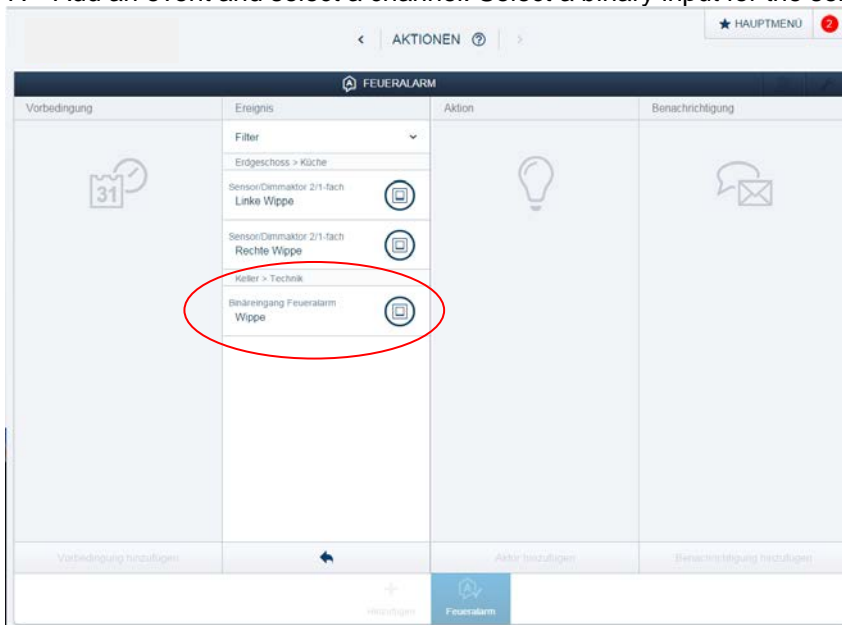


Make sure that the binary input is not linked with a light scene. At this point, it is recommended to add the binary input once more to the floor plan here.

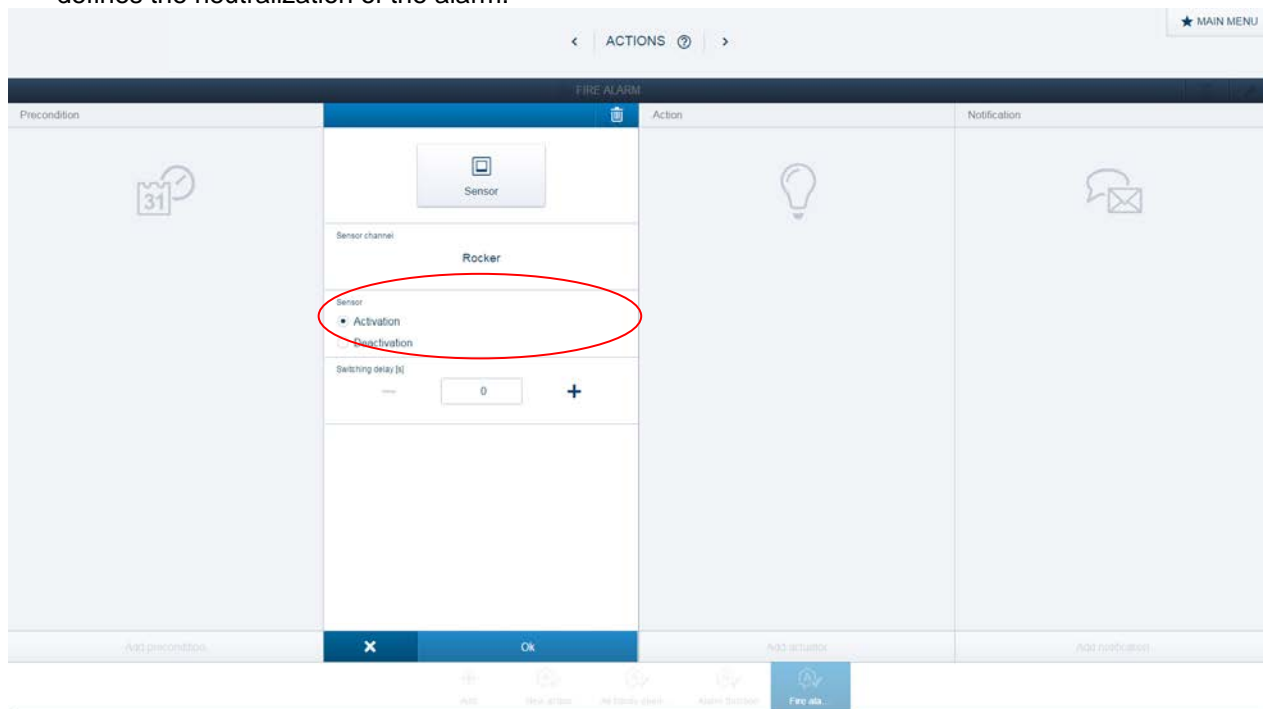
6. Precondition with any desired period.



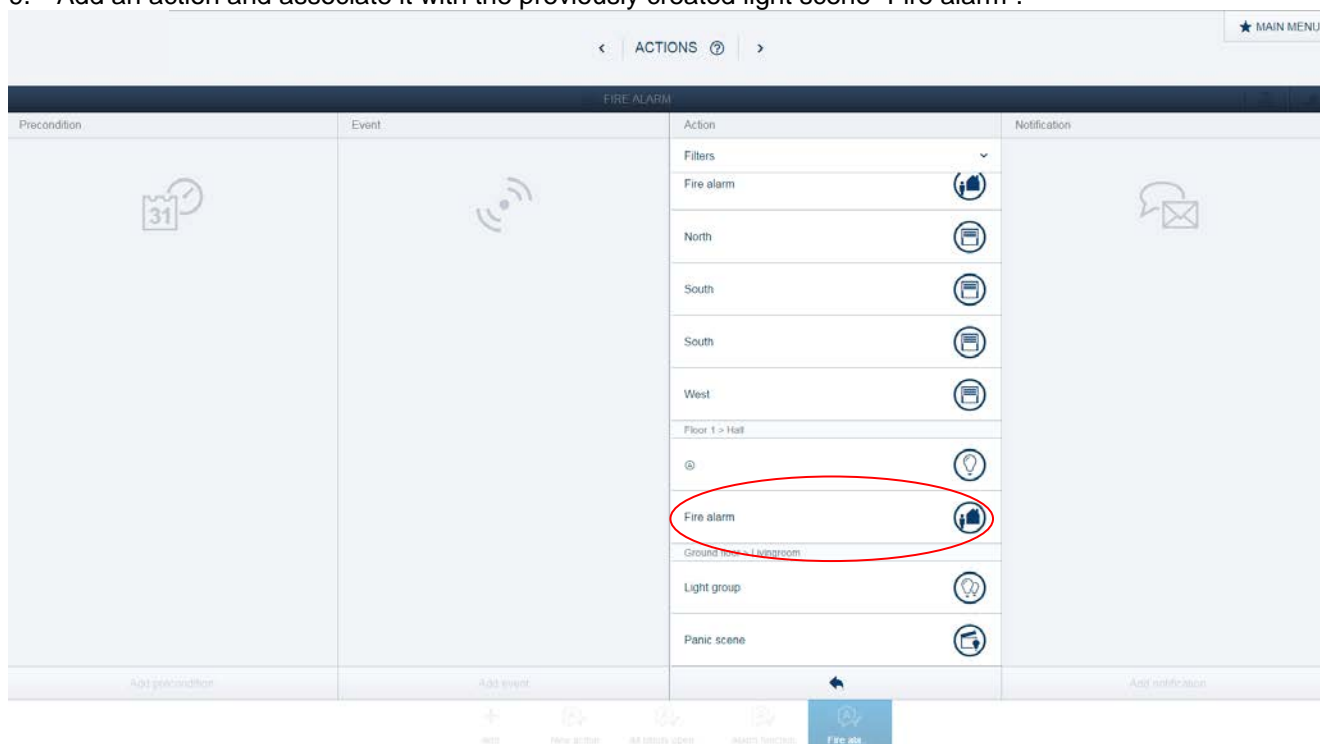
7. Add an event and select a channel. Select a binary input for the sensor.



8. The event shall be started upon “Activation” the device. It is possible to add an additional action later, which defines the neutralization of the alarm.



9. Add an action and associate it with the previously created light scene “Fire alarm”.



10. Add a notification: When the action is triggered the system shall send a notification (e.g. e-mail or push notification). You can create an individual text and subject line.

The screenshot shows the 'FEUERALARMS' configuration interface. At the top, there is a navigation bar with 'AKTIONEN' and a help icon. Below this, the interface is divided into three main columns: 'Vorbedingung' (Precondition), 'Ereignis' (Event), and 'Aktion' (Action). Each column has a corresponding icon: a calendar for 'Vorbedingung', a signal tower for 'Ereignis', and a lightbulb for 'Aktion'. Below these columns are buttons for 'Vorbedingung hinzufügen', 'Ereignis hinzufügen', and 'Aktion hinzufügen'. At the bottom center, there is a '+ Hinzufügen' button and a 'Feueralarm' button. On the right side, there is a configuration panel for the notification. It includes fields for 'Betreff' (Subject) with the text 'Es brennt!!! Feueralarm!' and 'Nachricht' (Message) with the text 'Es brennt!!! Feueralarm! Feuerwehr unter 112 rufen!!!'. There is a checkbox for 'Wichtigkeit: Hoch' (Importance: High) which is checked. Below these are two dropdown menus for 'E-Mail' and 'Push-Nachricht', both of which are highlighted with a red border. At the bottom right of the configuration panel, there is a close button 'X'.

References to other documents

- [FAQ Home and Building Automation](#)
- [FAQ free@home](#)
- [Engineering Guide Database](#)