

Outdoor lighting with free@home ON, OFF and watchdog function

GPG Building Automation

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System: free@home

Product: free@home

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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

An outdoor lighting shall be controlled via a presence detector and also be set to “Always ON” and “Always OFF” via a sensor.

Objectives of the document

- This document provides one possible solution for the presented case. However, it is recommended to check its viability in each project.

Content

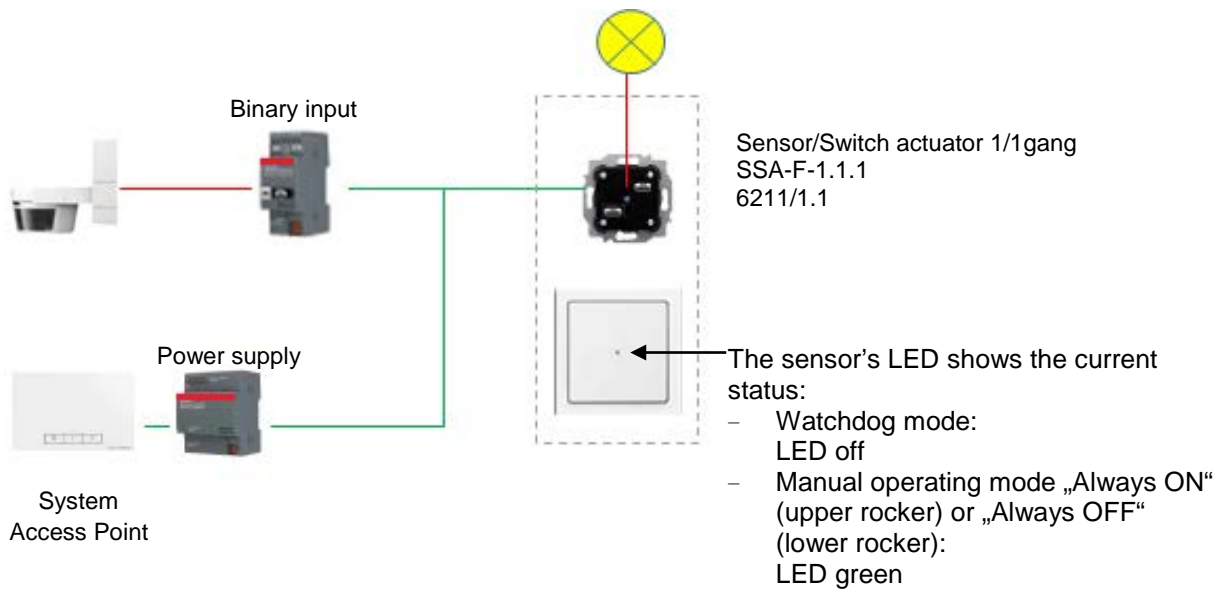
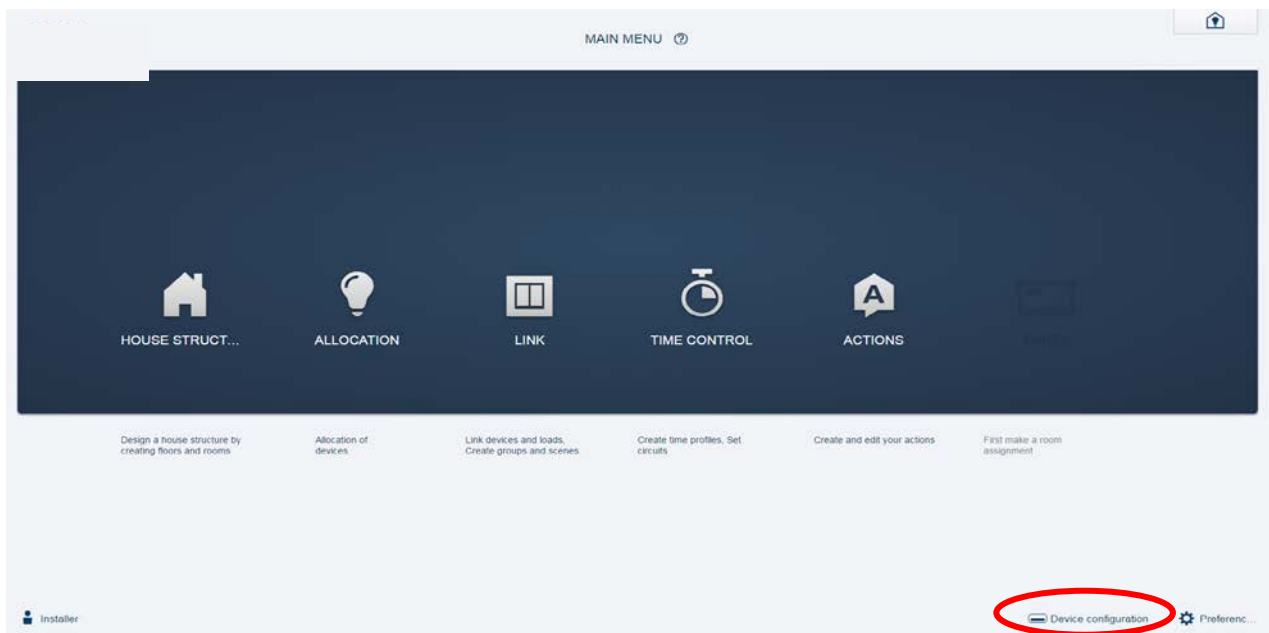


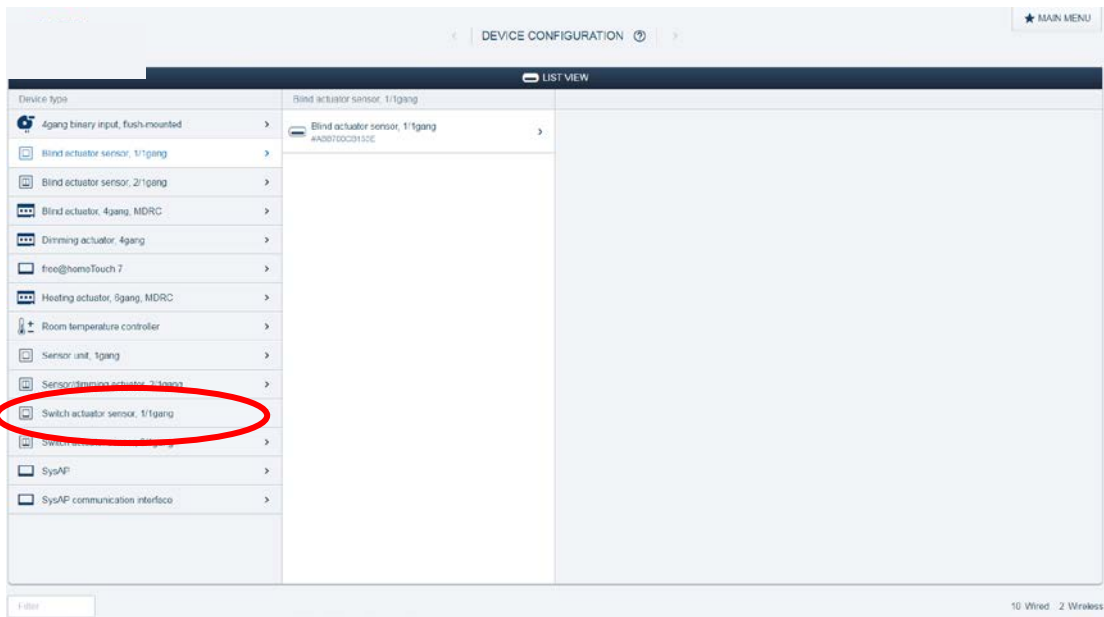
Fig. 1: Overview diagram

1. Changing the sensor operating mode to push-button operation

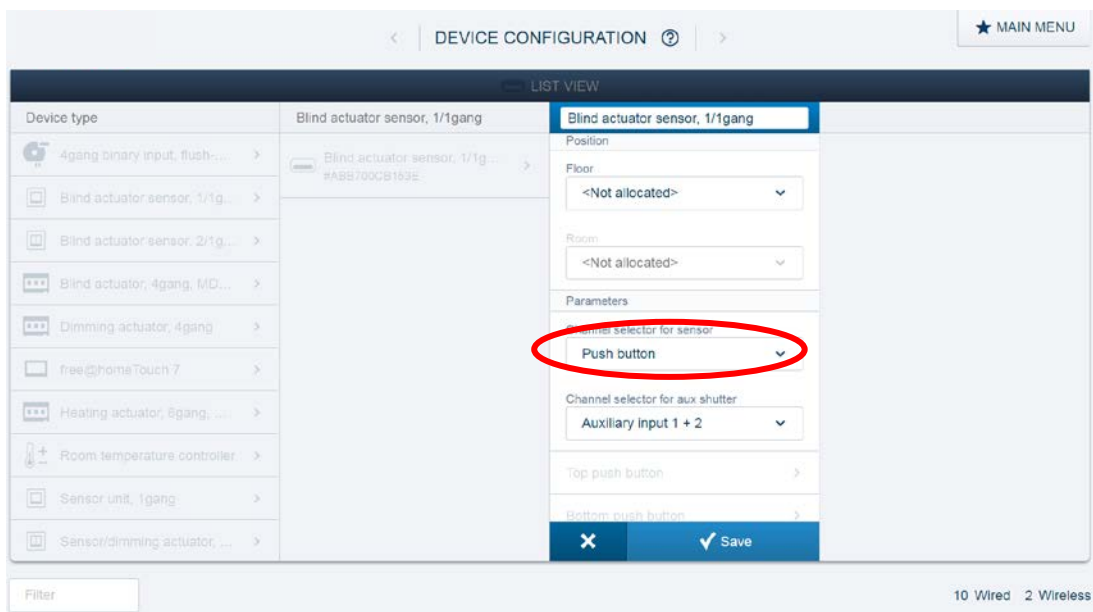
1.1. Open the device configuration:



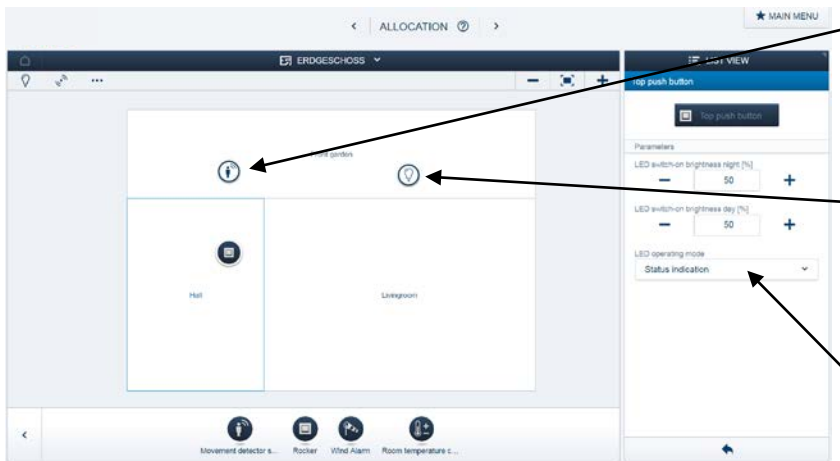
1.2. Choose the respective sensor which should be operated in manual/automatic operating mode



1.3. Change the sensors parameters from “rocker” to “push-button”:



2. Allocating devices within the floor plan view



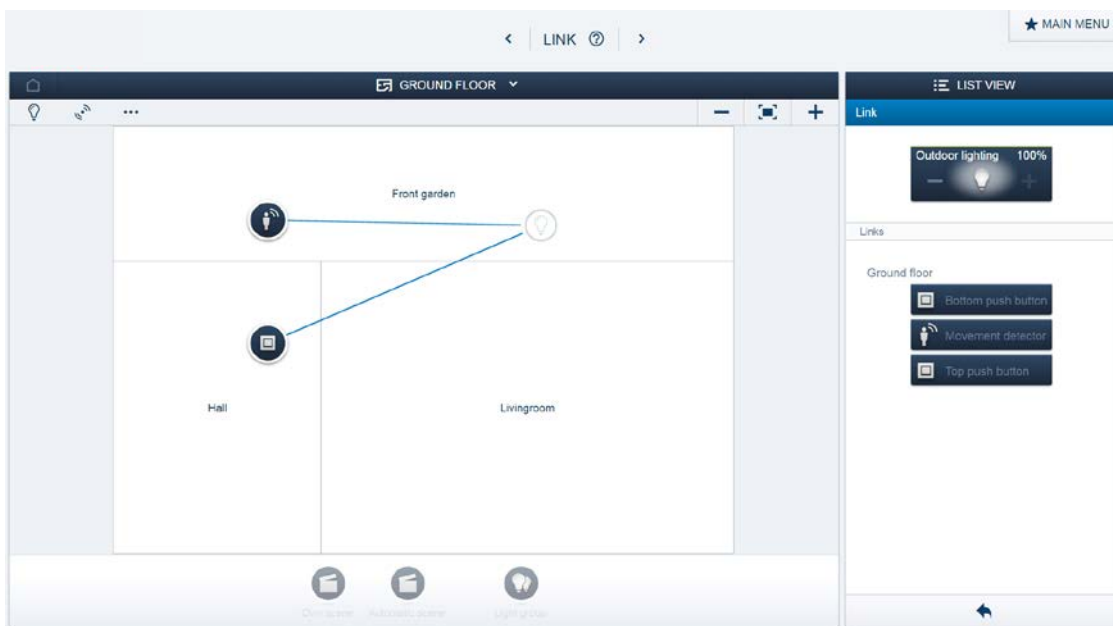
Add the function „presence detector“, then choose the respective binary input

Add the actuator channel to which the outdoor lighting is connected as well as the actuator which is to operate the manual/automatic control

Change the LED operating mode of the push-button from “Orientation” to “status indication”.

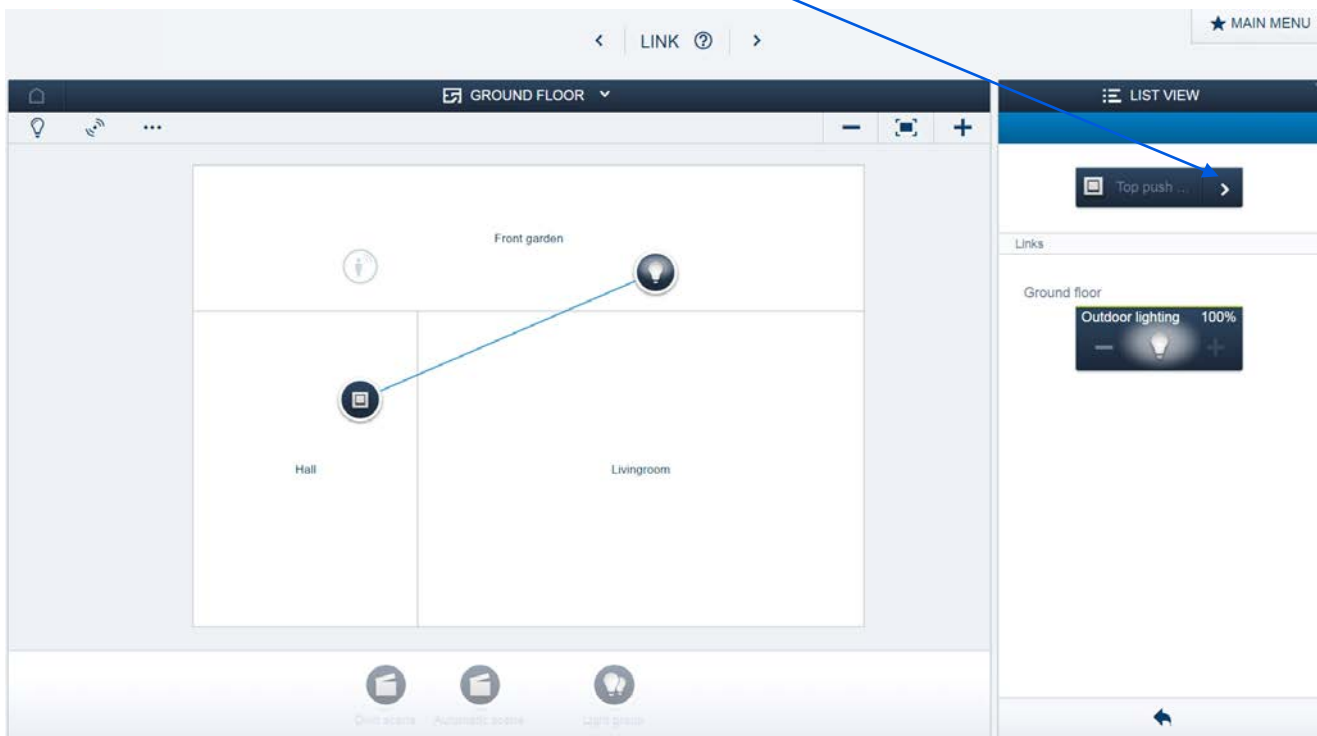
3. Linking elements:

- Link “Top push-button” with the wall light
- Link “Bottom push-button” with the wall light
- Link “Movement detector” with the wall light

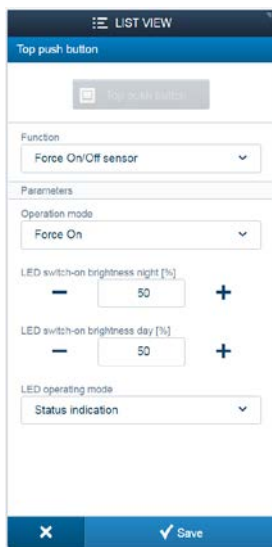


4. Changing the “manual/automatic” push-buttons’ settings to “forced operation”:

4.1. Choose “Top push-button”, then go to the extended settings menu.



4.2. Set the push-buttons function to “Force On/Off sensor” and the operating mode to “Force ON”



4.3. Proceed the same way with the bottom push-button. Make sure to set the force-position to "Force OFF"!

The screenshot shows a mobile application interface for configuring a 'Bottom push button'. At the top, there is a 'LIST VIEW' header with a menu icon. Below the header, the title 'Bottom push button' is displayed. A button labeled 'Bottom push button' is visible. Underneath, there are two sections: 'Function' and 'Parameters'. The 'Function' section has a dropdown menu set to 'Force On/Off sensor'. The 'Parameters' section has a dropdown menu set to 'Force Off'. At the bottom of the screen, there are two buttons: a close button (X) and a 'Save' button with a checkmark icon.

References to other documents

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