

## How to configure your lighting network to work in conjunction with a fire alarm panel

Before using the cheat sheet, please make sure you have the basic Casambi App knowledge for creating a network, pairing devices, creating groups and enabling control hierarchy. For more information, please refer to the tutorial videos on:

<https://casambi.com/tutorial-videos/>

### Scenario

#### Fire alarm

- When the fire alarm is triggered, a dry contact closure from the emergency system relay activates a **FIRE** scene at **Emergency** priority level that cannot be overridden by any other command in the Casambi system.
- When the contact is opened again following the deactivation of the alarm trigger, the **ON 50** scene is triggered at the lowest priority, ensuring all other commands that may be operating in the background take priority.

### Key Programming Overview

#### Scenes

- **FIRE**: All lights are on at 100%.
- **ON 50**: All lights are on at 50%.

#### Switches

- CBU-ASD-LR Push button (Profile 1031)  
Button 1: **Controls Priority**

### Casambi Hardware Requirement

- CBU-ASD-LR: 1 unit

The **Controls priority** option enables switches to activate scenes at different levels in the Casambi Control Hierarchy. It is designed for latching switches. Using **Controls priority** you can define an action/scene for when a switch is closed (Active state), and another for when it is opened (Inactive state). In addition, you can define the Activation and Deactivation priorities the action has in the Casambi control hierarchy.

#### STEP 1: SCENE

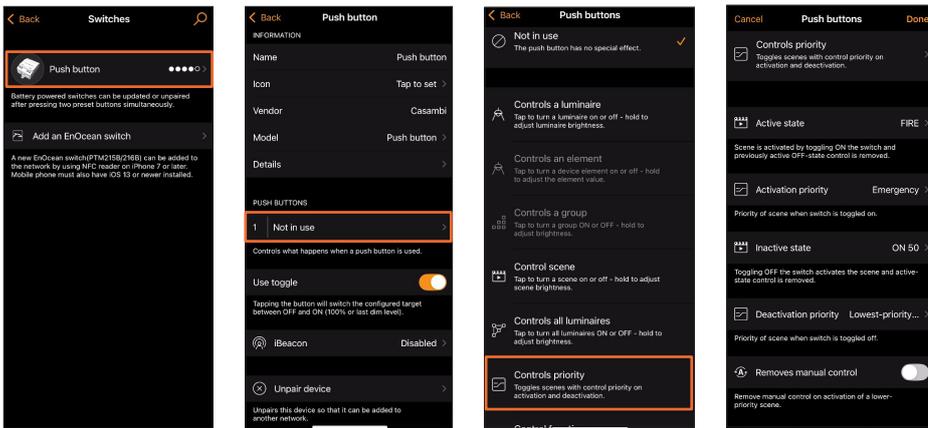
Casambi App → Scene



Repeat this process to create the 2 scenes:

- 1 **FIRE**: Set all luminaires to 100%.
- 2 **ON 50**: Set all luminaires to 50%.

**STEP 2: SWITCH** Casambi App → More → **Switches**



- Select the **FIRE** scene that will be activated when fire alarm sound.
- Choose **Emergency** that is the highest priority. It means that the **FIRE** scene cannot be overridden by any other command.
- Select **ON 50** scene will be activated when the emergency is over and the contact is opened, removing the active-state control.
- By choosing **Lowest-priority automation**, the **ON 50** scene will be triggered at the lowest priority, allowing other automatic commands to function normally.

**WHEN FIRE ALARM IS ACTIVATED...** Casambi App → **Scene**



... a small icon (triangle with an exclamation mark inside) in the top right of each luminaire will indicate the Emergency priority command is affecting the luminaire.

**WIRING DIAGRAM** CBU-ASD-LR (Profile 1031)

