IOLITE HOME CONTROL CENTER

USER GUIDE

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Version History

Version	Author	Modifications
1.0	Grzegorz Lehmann (IOLITE)	• Initial version
1.0.1	Grzegorz Lehmann (IOLITE)	• Minor extensions of HCC start description
1.0.2	Grzegorz Lehmann (IOLITE)	• Change font to Proxima Nova Lt • Add EnOcean pairinig info

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INTRODUCTION

This document provides an overview of the IOLITE Home Control Center (HCC). The HCC is the user interface for IOLITE, providing three main functionalities:

- Inspect and control their smart environment
- Create and modify automation rules
- Access IOLITE Apps

The following sections give an overview of the HCC functionalities.

ACCESS HOME CONTROL CENTER

The HCC can be accessed via any modern browser on PCs, tablets and smartphones.

ACCESS IN BROWSER

To access the HCC via a browser type the following into the address field:

http://<address-of-your-iolite-box>/

ACCESS ON IOS

IOLITE provides a native iOS app, which automatically discovers the IOLITE box and opens the HCC.

The App is not in the official App Store yet, but we can provide you with access to it. All we need is the UUID of your iPad.

ACCESS ON ANDROID

IOLITE Android app is under development.

LOGIN AND DASHBOARD

When accessing the HCC for the first time, the user needs to log in.

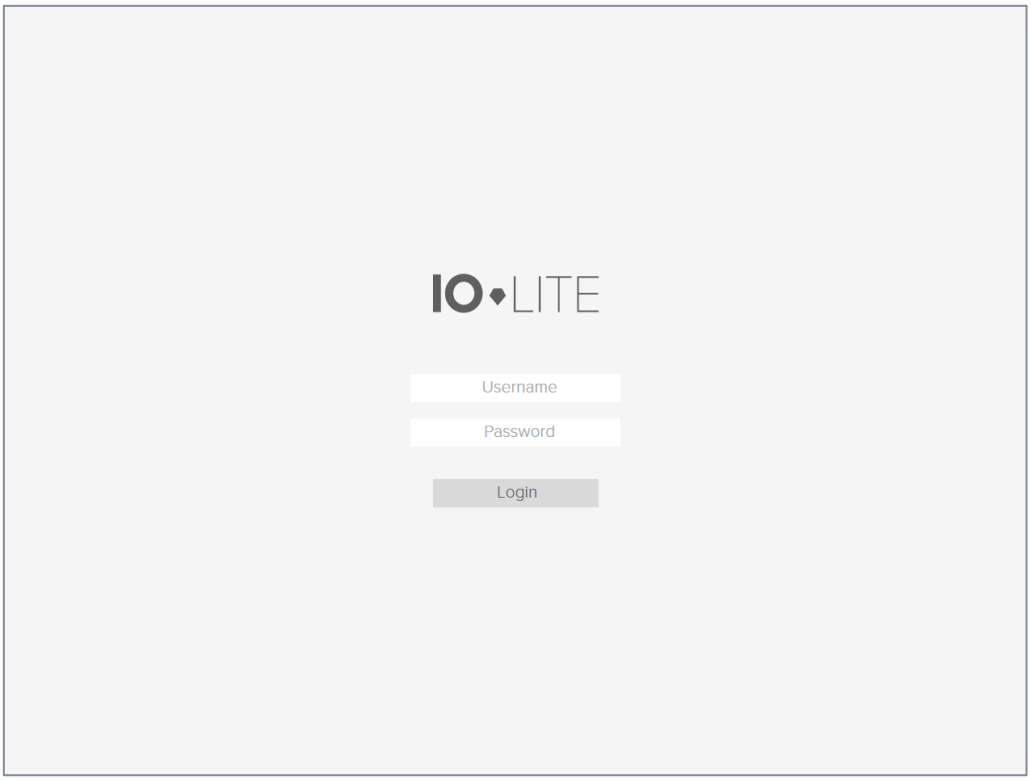

Figure 1: IOLITE HCC login page

Figure 1 shows the HCC login page in which the username and password need to be entered. After pressing *Login* the HCC starts.

The first page to see after login is the *Dashboard*. The dashboard is the starting page of the HCC. It holds the favorite UI elements of the user (e.g. widgets of the favorite devices or rules).

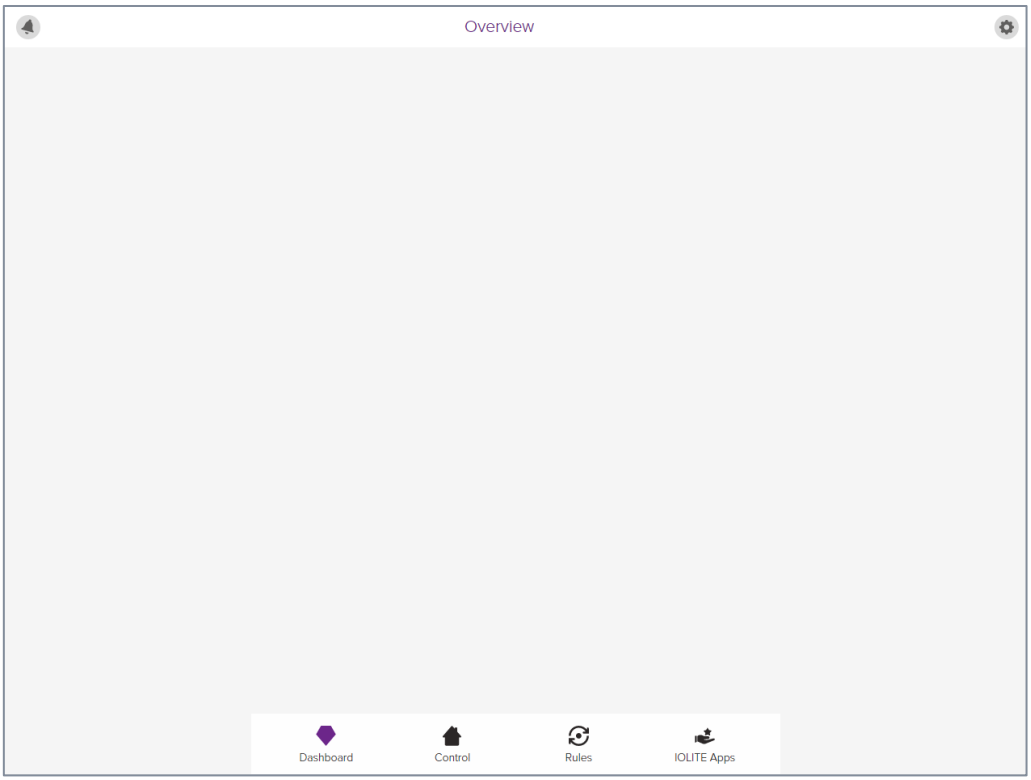

Figure 2: The HCC dashboard, empty after first user login

After the initial login, the dashboard is most likely empty. The user can fill it with favorite elements by clicking on the IOLITE symbol in the top left corner of each UI widget. Figure 3 presents the dashboard with three UI widgets selected by the user.

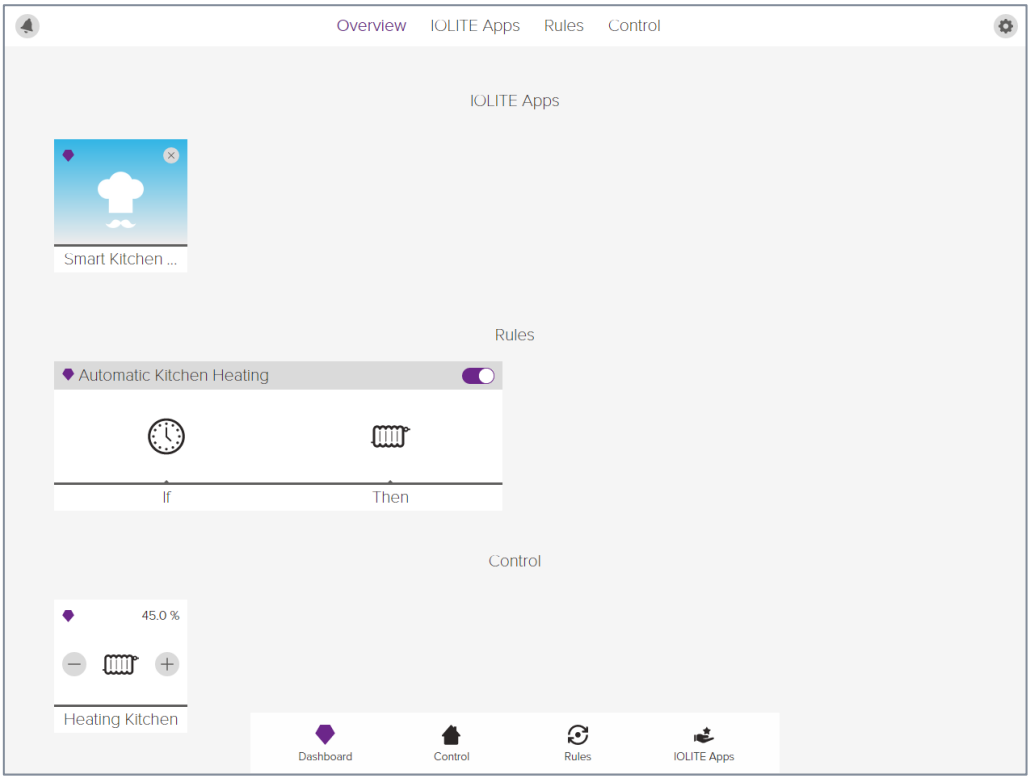

Figure 3: The HCC dashboard filled with favorite elements of the user

ADDING DEVICES

Apart from pre-configured, known-in-advance environments, the initial IOLITE installation will have no devices configured. The user adds new devices to the system by means of a s.c. *pairing*. The following sections describe the pairing process for different technologies.

Please note that IOLITE sends a notification message whenever a new device is discovered. The notifications can be accessed in the notification area of the Home Control Center, by selecting the bell symbol in top left corner. Figure 4 presents an example notification for a new device.

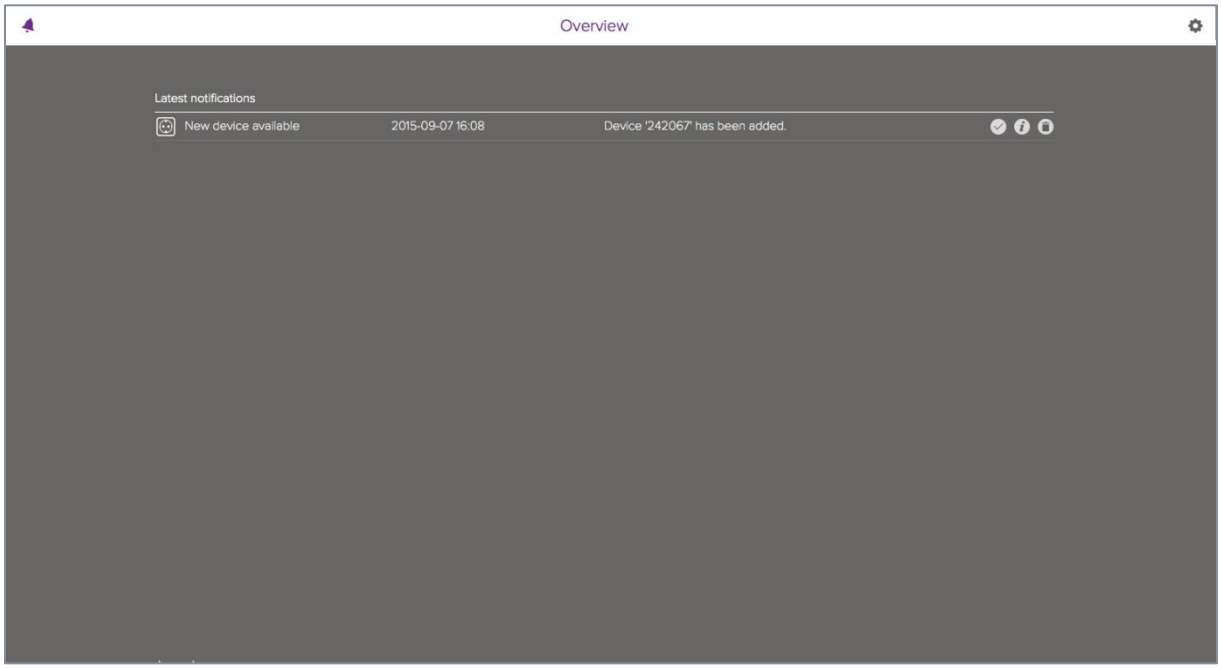

Figure 4: Notification informing about a new device

ADDING ENOCEAN DEVICES

The EnOcean[1] technology provides very good plug & play capabilities. When triggered by the user, EnOcean devices send s.c. *learn* (LRN) telegrams to announce themselves in the EnOcean network. IOLITE's EnOcean device detection is always on. In order to add an EnOcean device to IOLITE, the user only needs to trigger the *learn* telegram.

Depending on the device type and the manufacturer, the *learn* telegrams are triggered differently. The following sections show examples of IOLITE-compatible EnOcean devices.

[1] https://www.enocean.com

EUROTRONIC STELLA E

To add the EUROtronic Stella E actuator to IOLITE, please push the lower of its two buttons (the one with the network symbol) for one second (see Figure 5).

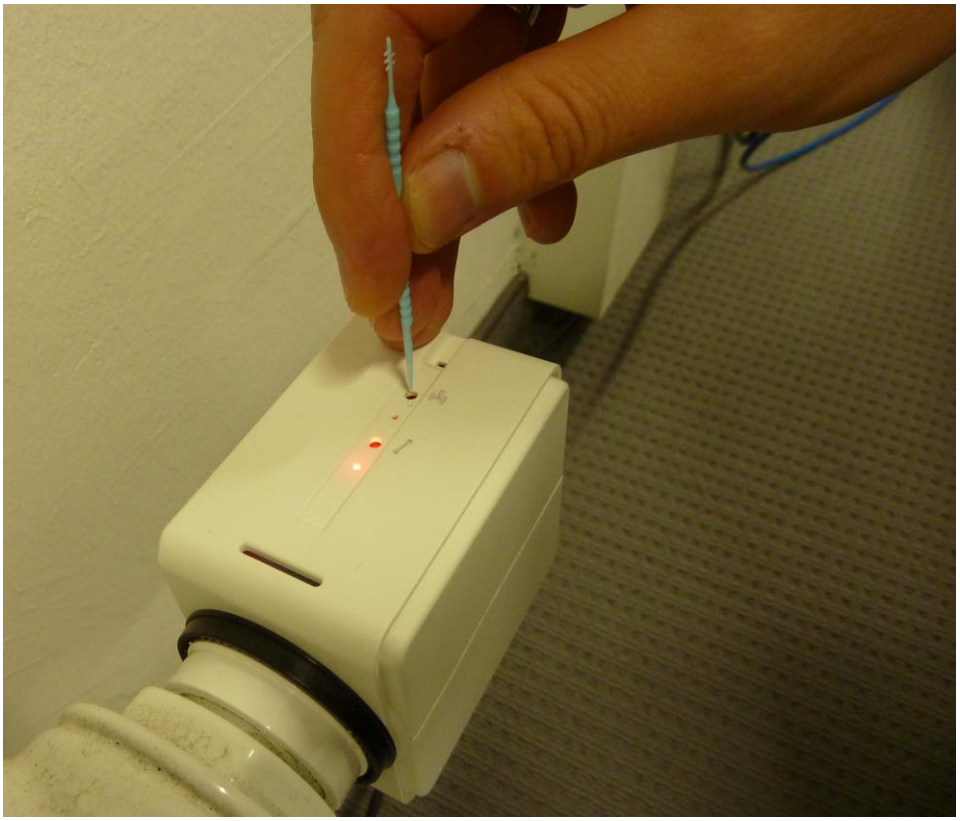

Figure 5: Adding EUROtronic Stella E to IOLITE

THERMOKON SR04

The Thermokon SR04 temperature sensor has a *learn* button on its back.

Figure 6: Thermokon SR04 temperature sensor

Please press the button once to add it to IOLITE, as shown in Figure 7.

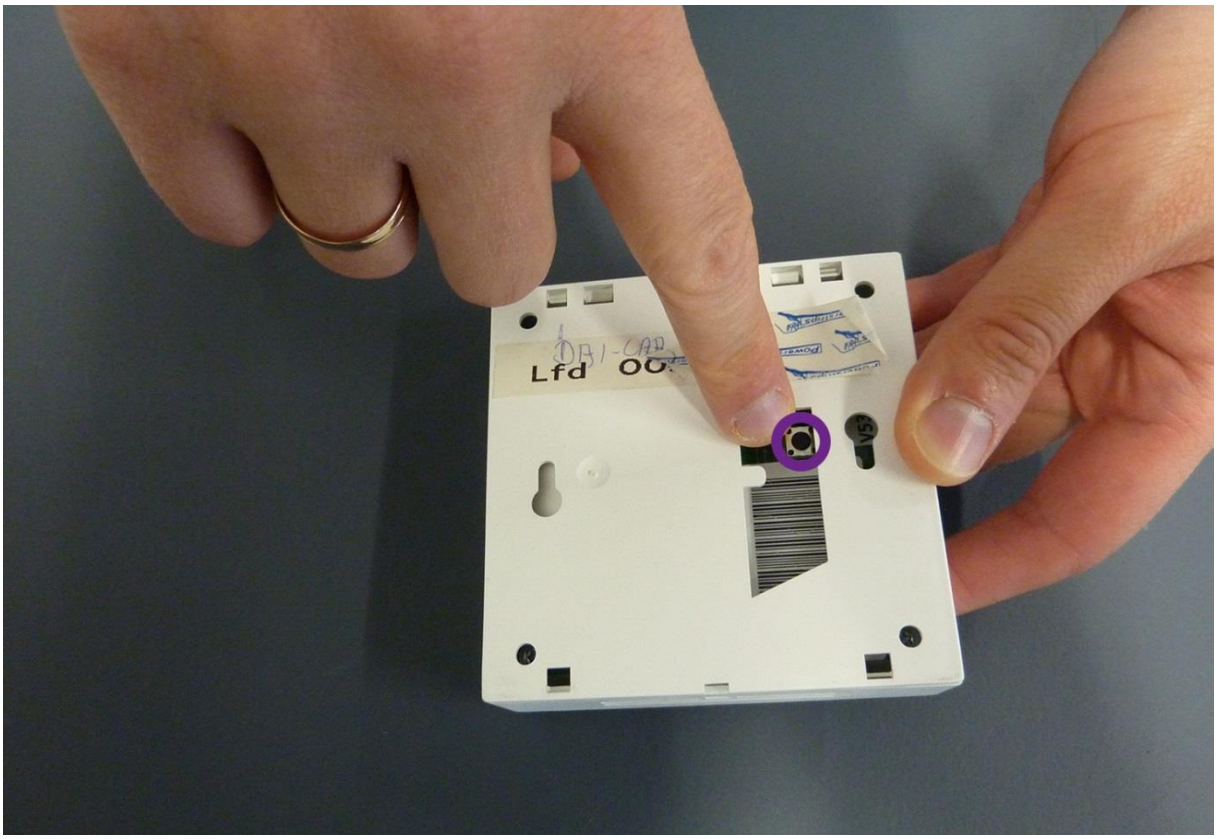

Figure 7: Pairing of the Thermokon SR04 temperature sensor with IOLITE – please push the button on the backside

THERMOKON SRW01

The Thermokon SRW01 contact sensors have a *learn* button on their back. Please push it once to add a contact sensor to IOLITE, as shown in Figure 8.

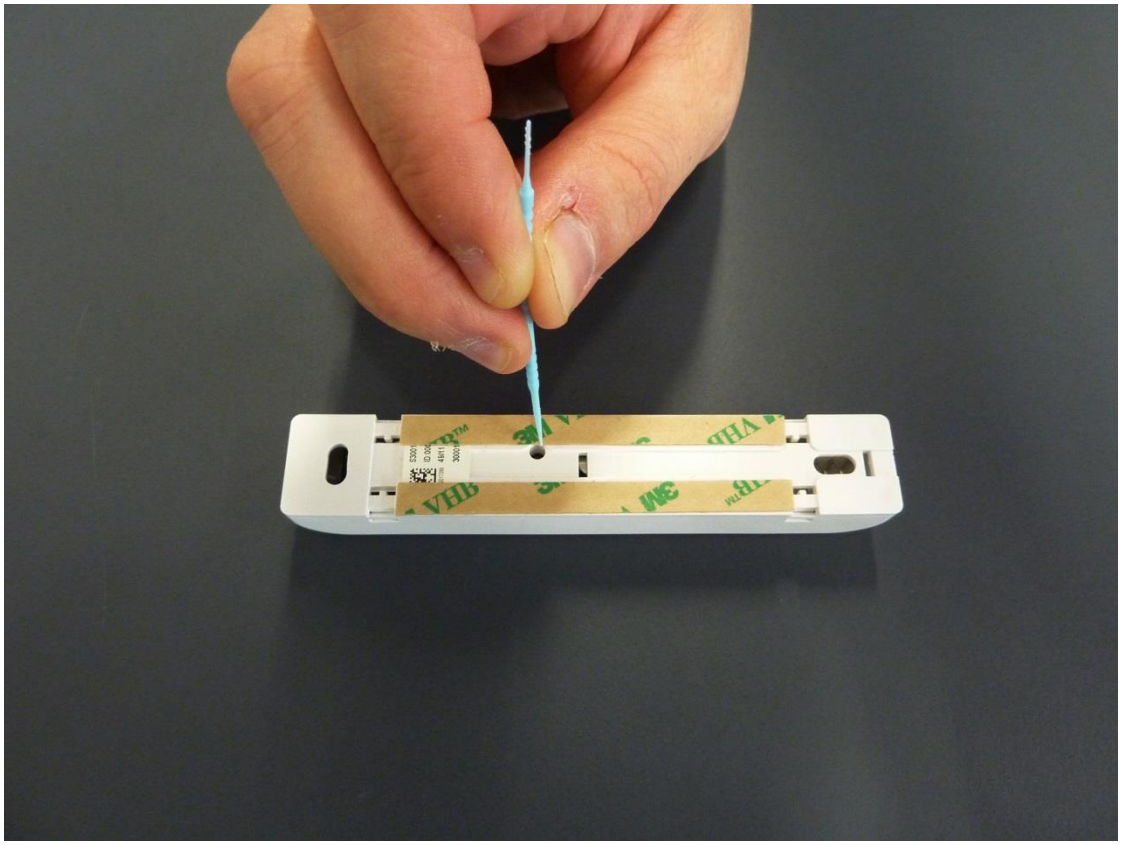

Figure 8: Pairing of a contact sensor – push the button in the hole on the backside

THERMOKON SR-MDS SOLAR

The Thermokon SR-MDS Solar sensors are added to IOLITE by pressing the button with the filled square symbol. The button is on the front side of the sensor, as shown in Figure 9.

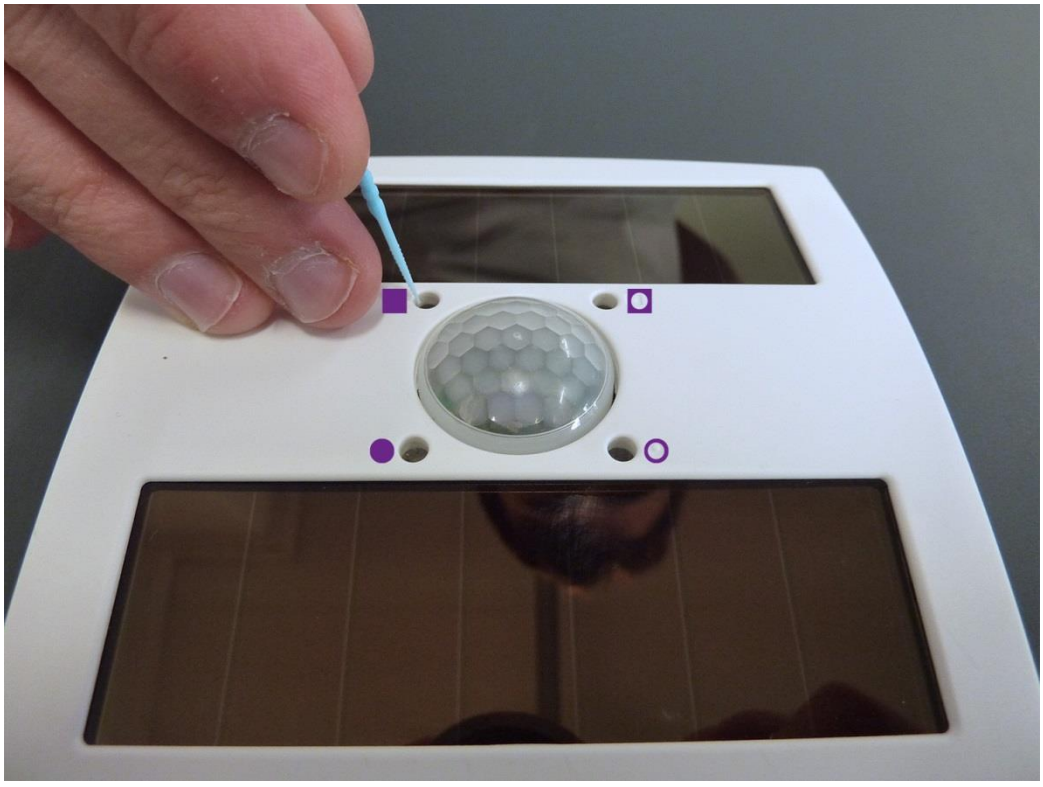

Figure 9: Pairing of a movement sensor - push the button with the square symbol

ROCKER SWITCHES

EnOcean rocker switches are added to IOLITE by simply pressing them. The rocker switches to not have dedicated *learn* buttons.

Figure 10: Example rocker switches – press the switch on any side to add to IOLITE

DEVICE CONTROL

The *Control* area of the HCC gives an overview of the smart environment, with its places, sensors and devices. The user interface is structured base on the places defined in IOLITE. Figure 11 shows the *Control* area with two rooms, *Living Room* and *Kitchen*. New rooms can be easily added by clicking on the + symbol.

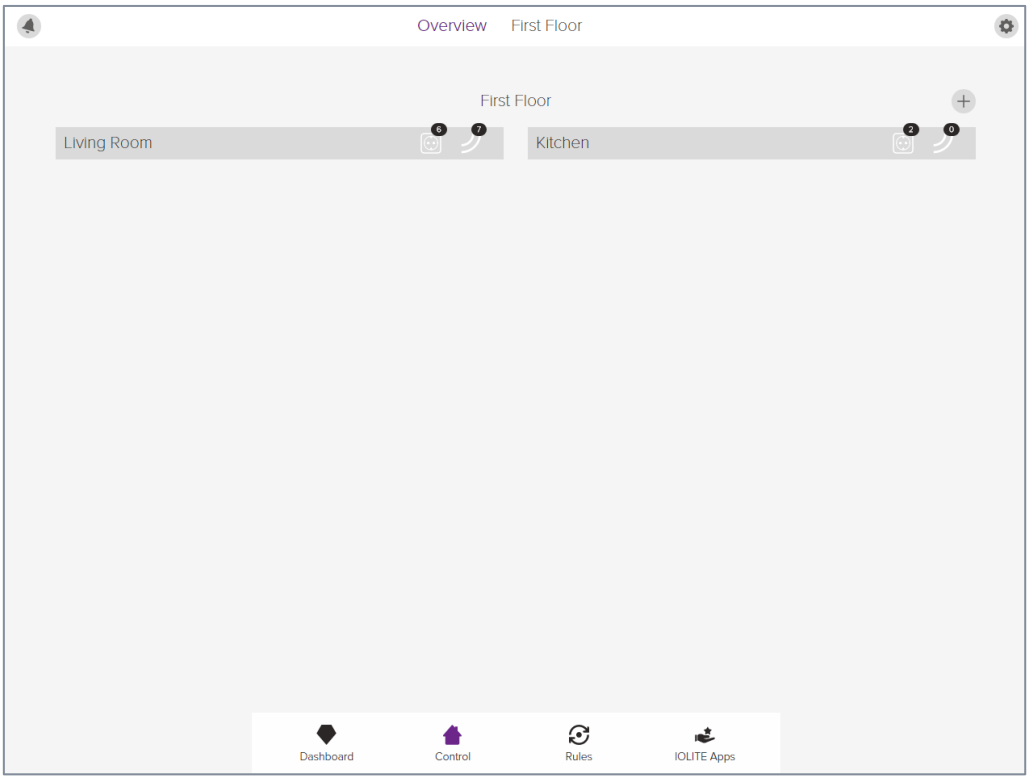

Figure 11: Room selection in the overview of the Control area

After selecting one of the places, the devices and sensors of the selected place are shown. Figure 12 shows the list of devices in *Kitchen*. It provides an overview and presents the most relevant data of the devices. If detailed controls are required, each device can be selected. This opens a detailed view (Figure 13), with all data of the device and detailed control features (e.g. assigning the device to a different place, as shown in Figure 14).

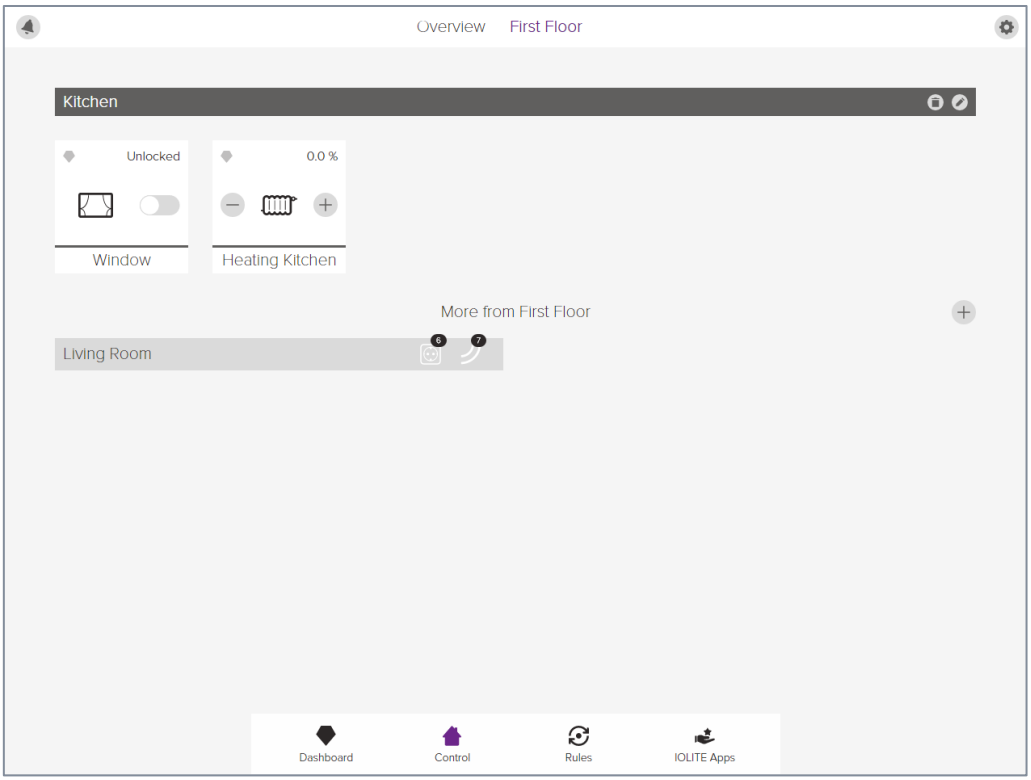

Figure 12: Room details in the Control area provides an overview of the sensors and devices in the room

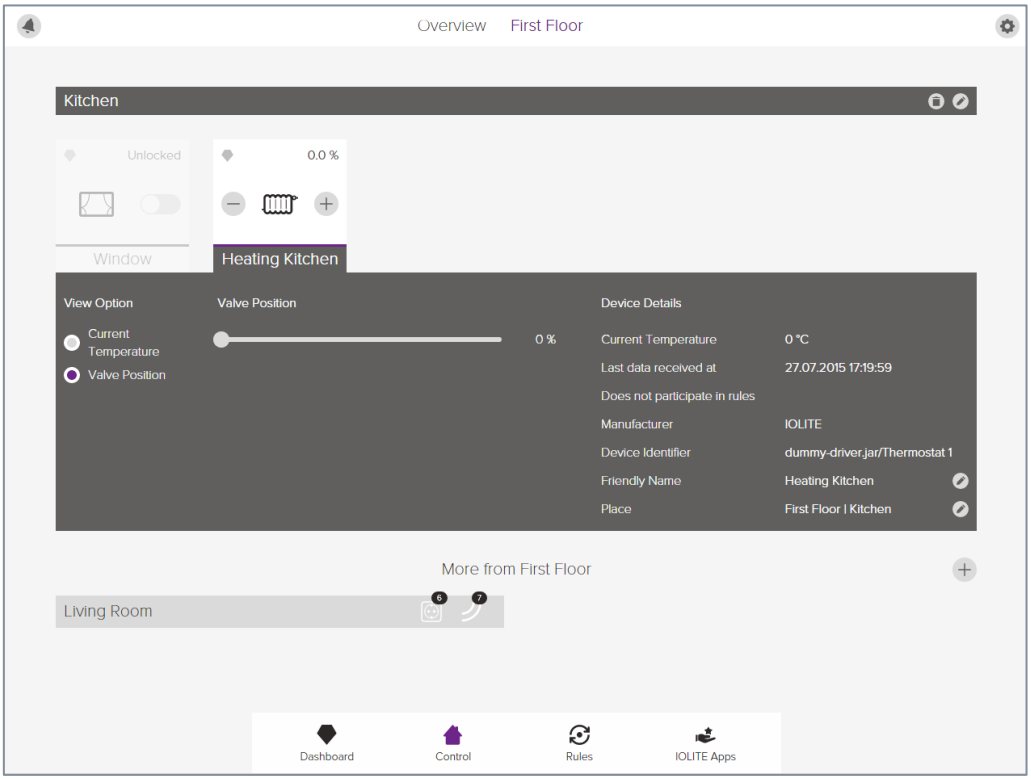

Figure 13: Each device can be inspected in detail

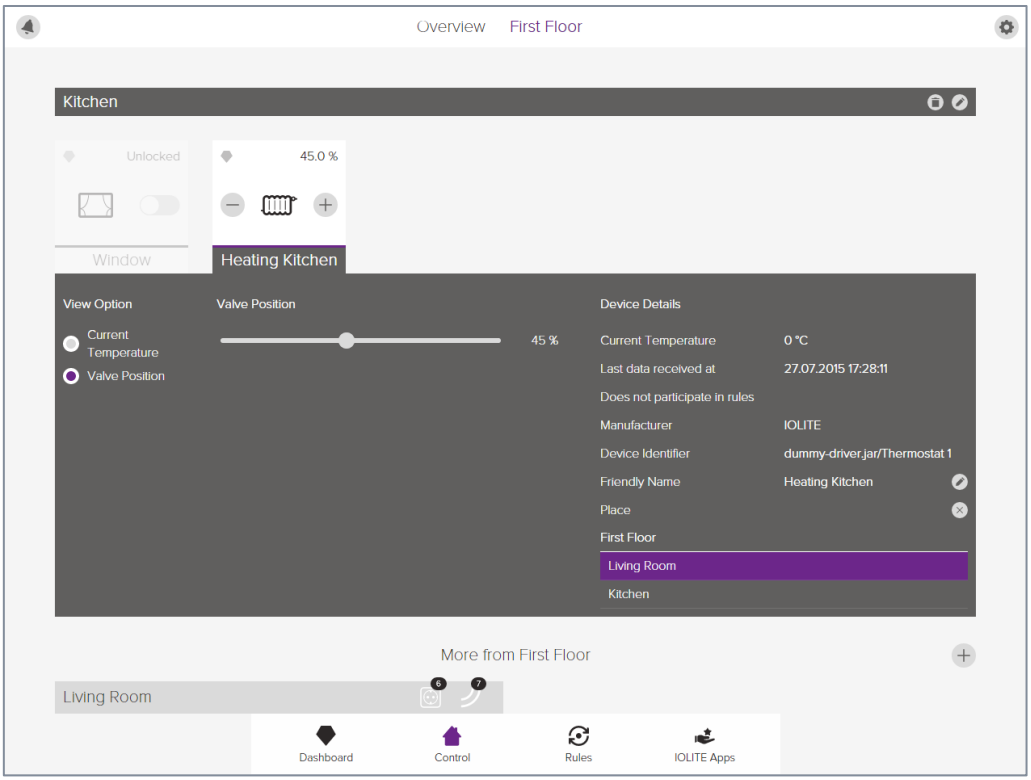

Figure 14: Devices can easily be assigned to different rooms

RULES

The third area of the HCC is the *Rules* area. It holds all automation rules of IOLITE and gives the user full control of them. Figure 15 shows the *Rules* overview, where each rule is represented by its own UI element. The visualized example holds one rule, the *Automated Kitchen Heating*. The overview shows the devices involved in the rule and enables to quickly enable/disable the rule, using the flip switch in top right corner.

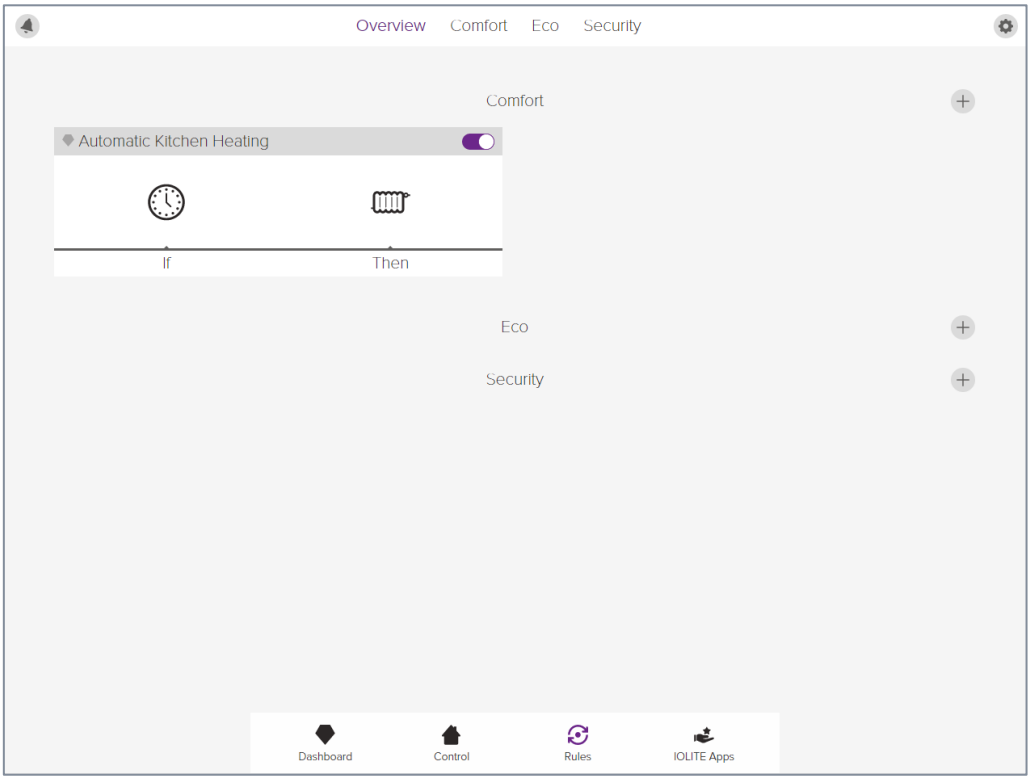

Figure 15: Rules area gives an overview of the configured automation rules

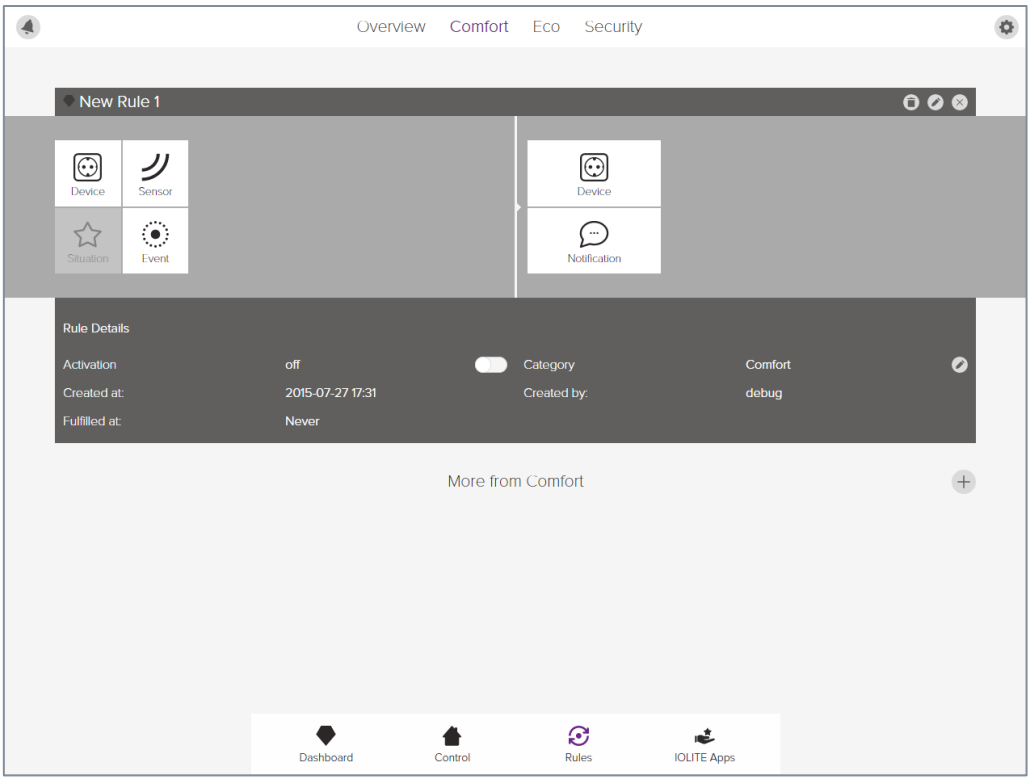

Figure 16: The editor functionality allows creating and modifying automation rules

Selecting a rule leads to the editor view presented in Figure 16. The editor enables to add/remove rule elements, both *if* conditions and *then* actions. Figure 17 and Figure 18 present examples of the different rule configuration elements.

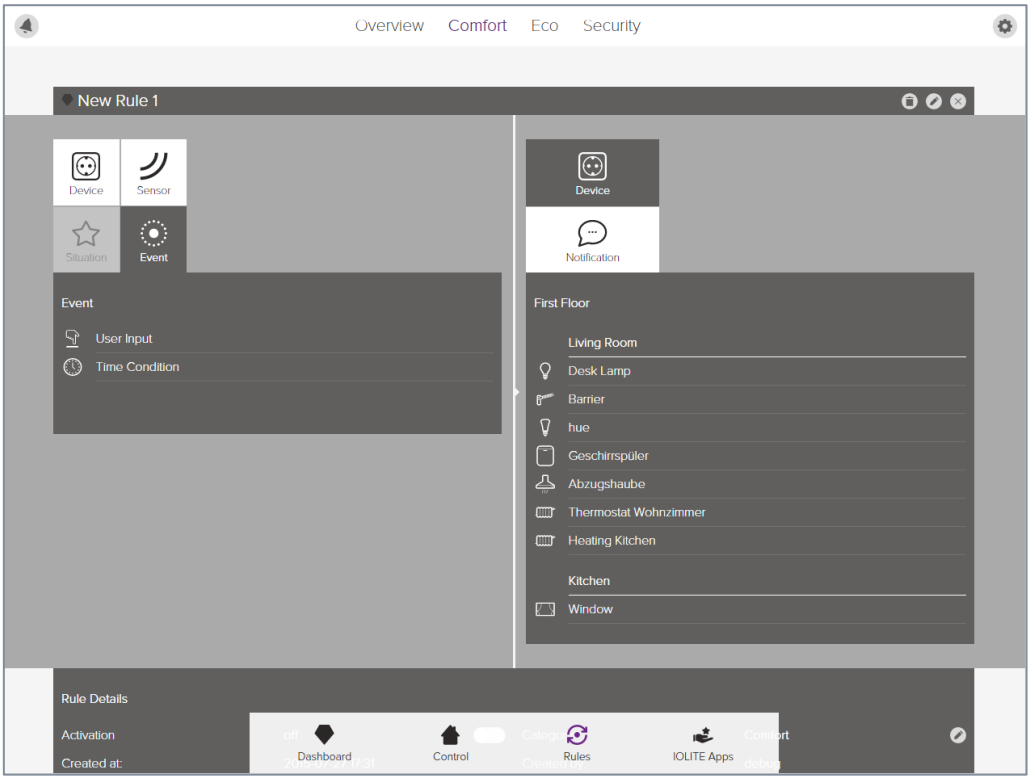

Figure 17: Different rule triggers and actions can be selected in the rule editor

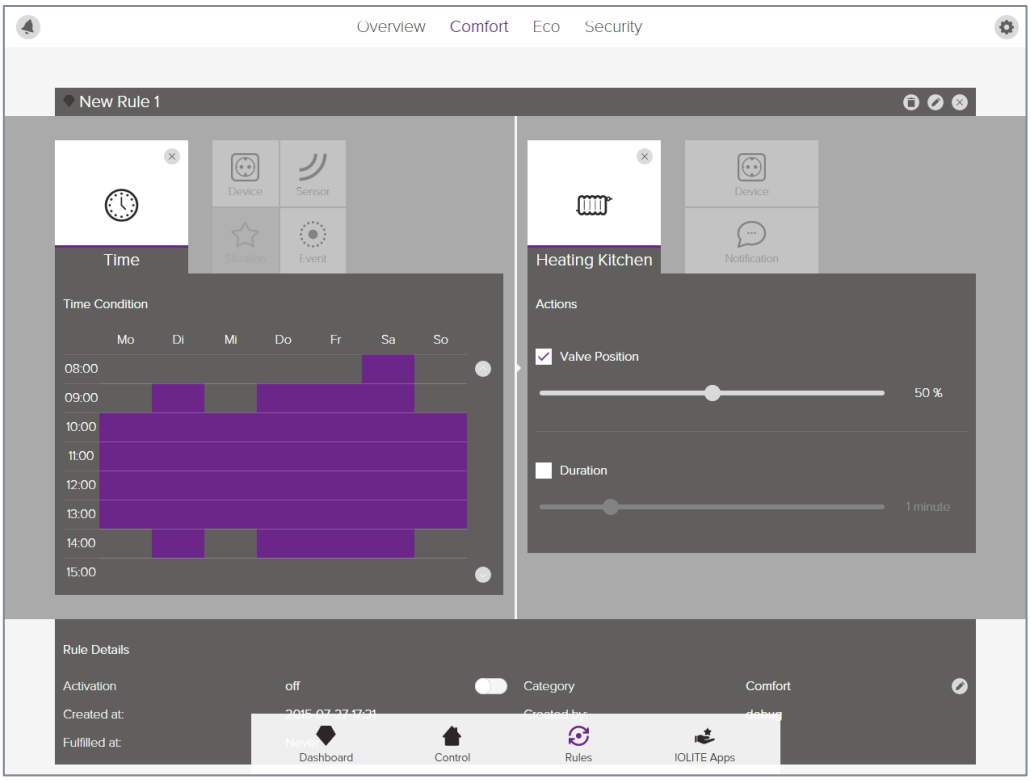

Figure 18: Each trigger and action can be configured in detail

APPS

The *IOLITE Apps* area provides access to the apps installed on IOLITE, as well as the app store. Each app is represented by a UI element. In Figure 19 an example *IOLITE App* area is shown, featuring one installed app, the *Smart Kitchen Assistant*. The user interface of the app is opened by clicking on the app's icon.

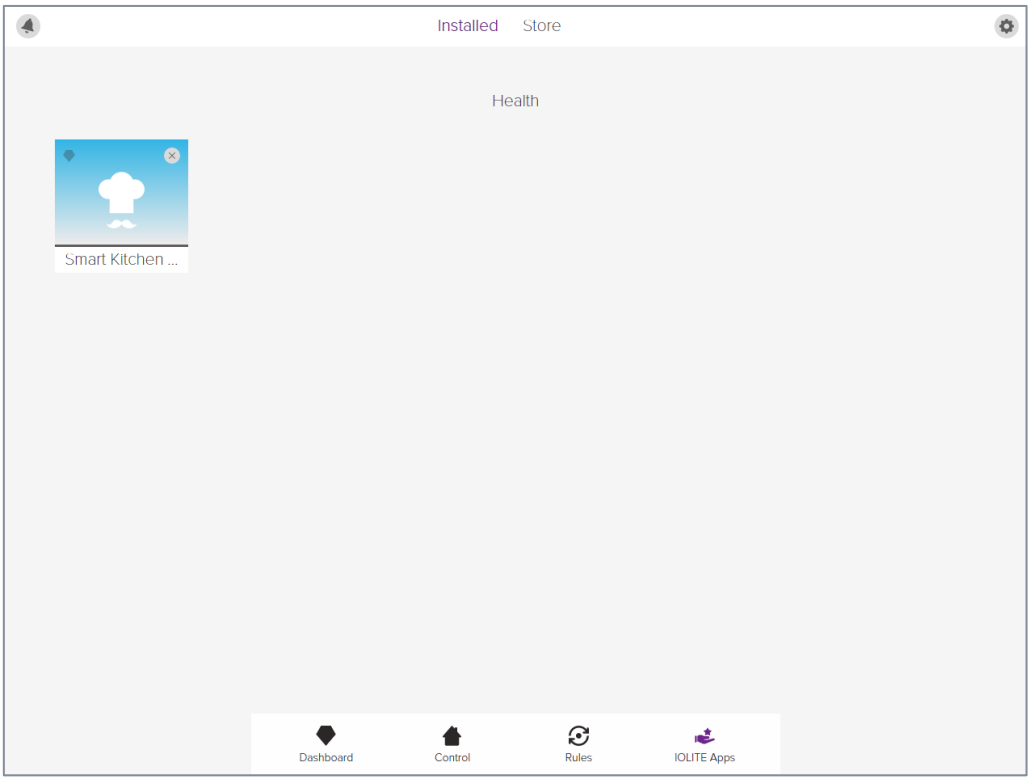

Figure 19: IOLITE Apps area shows installed apps and provides access to IOLITE App Store

NOTIFICATIONS

IOLITE features a notification system, through which the user is informed about important occurrences in the smart environment, messages from rules and apps. The users can access their notifications in the HCC by clicking on the notification symbol in the top left corner of the user interface.

The HCC presents all notifications of the user in two lists – *Latest notifications* grouping the new, unread notifications and *Journal* with old, read notifications.

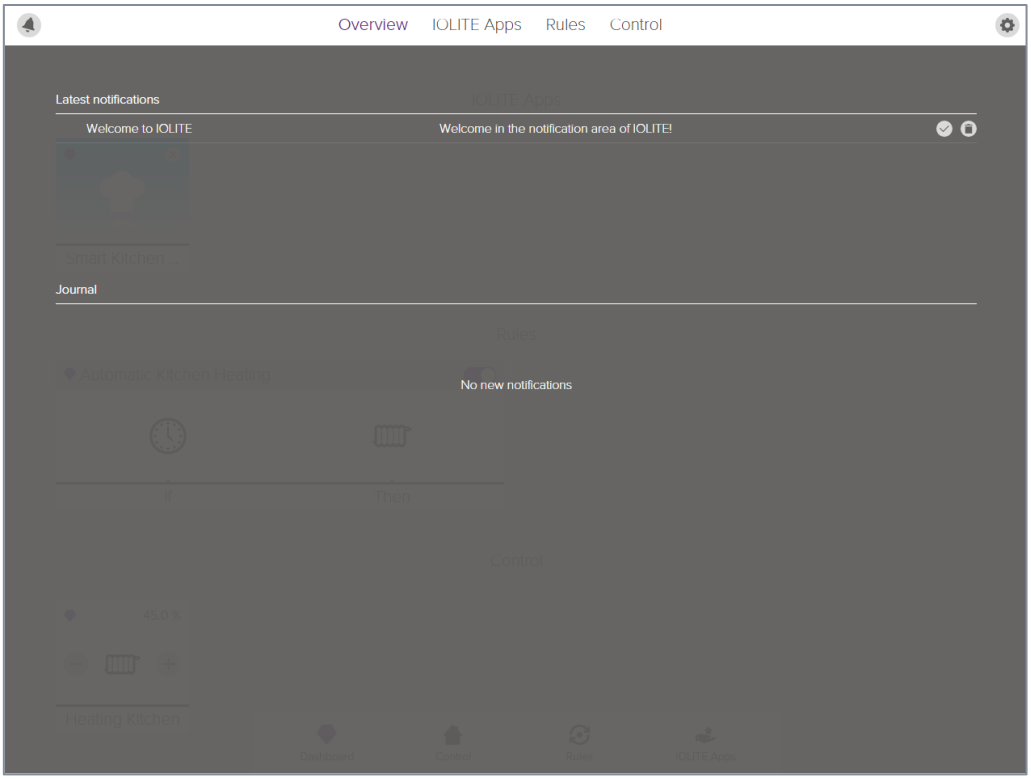

Figure 20: Notifications area visualizes in-app notifications

SETTINGS

By selecting the settings symbol in the top right corner of the HCC the user gains access to a set of IOLITE settings, including password, language settings, update installation, as shown in Figure 21.

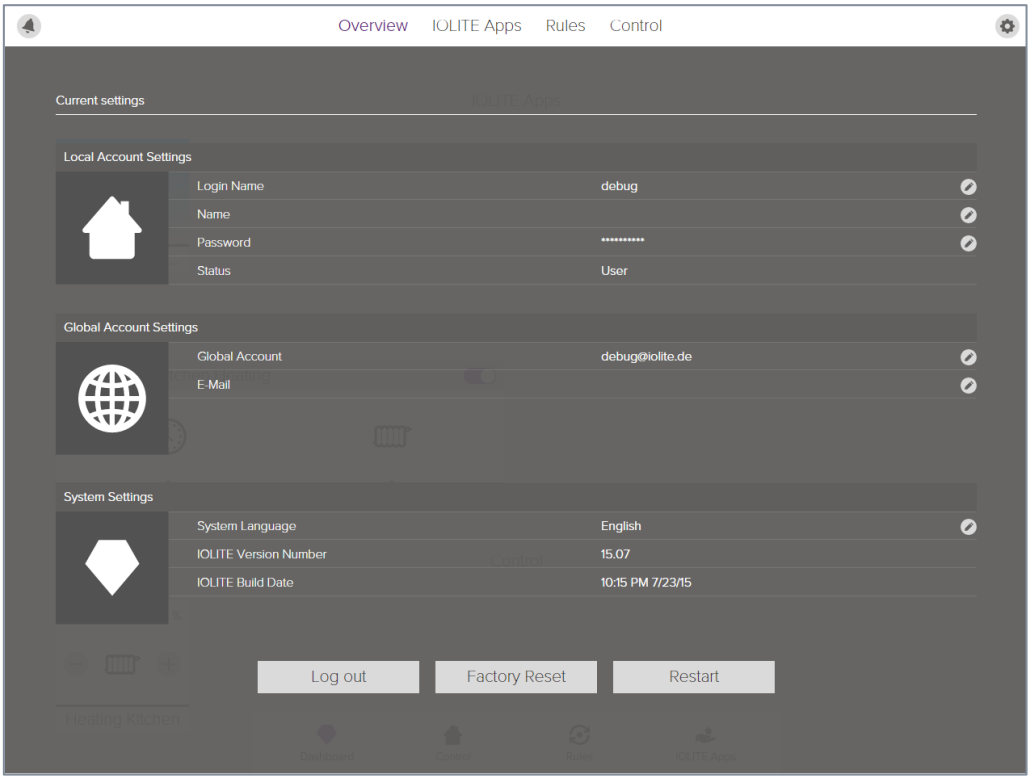

Figure 21: Settings area enables to edit user and system settings

If an IOLITE update is available on the update server, an *Install Update* option becomes available in the Settings area (there is also a notification in the Notification area). The installation of the update needs to be confirmed by the user by entering the password. Afterwards a progress window appears. Once the update is installed, the user is re-directed to the login screen.