ENGINEERING
TOMORROW

DEVIreg™ Smart – Smart App

How to install and operate

Contents:

Installation & commissioning
Use
About the APP - Version

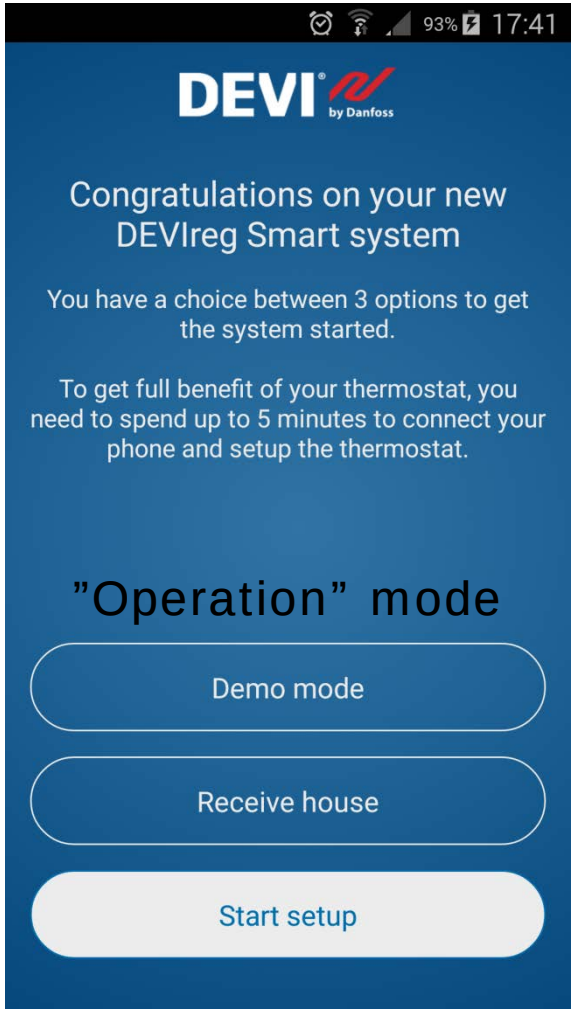
Start up

Download app from Google Play or App Store
Constantly updated

Available on 1.7.2106

Search words are:
- DEVIreg Smart
- DEVIreg

Video



Page

9-15

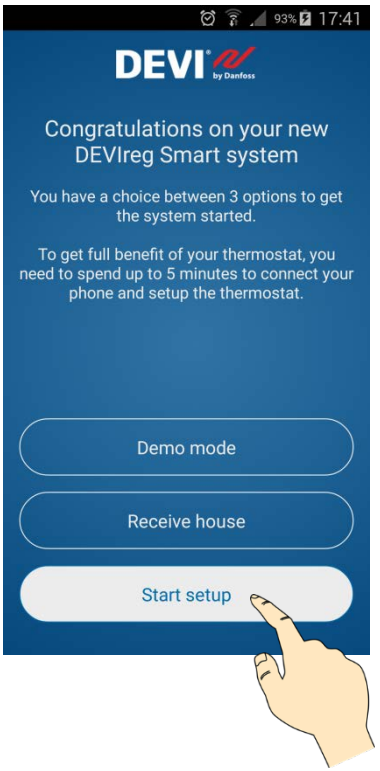
17

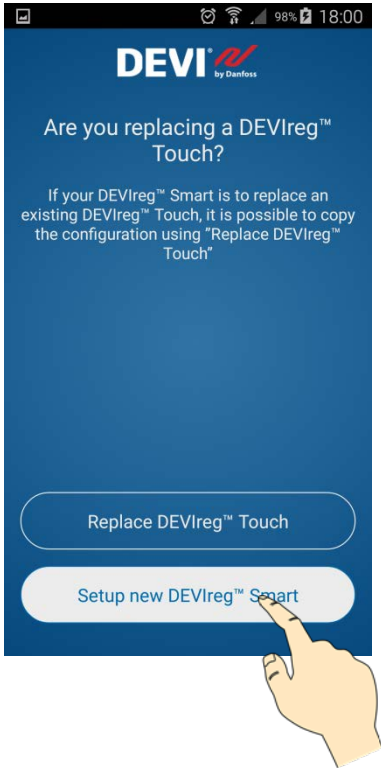
4-7

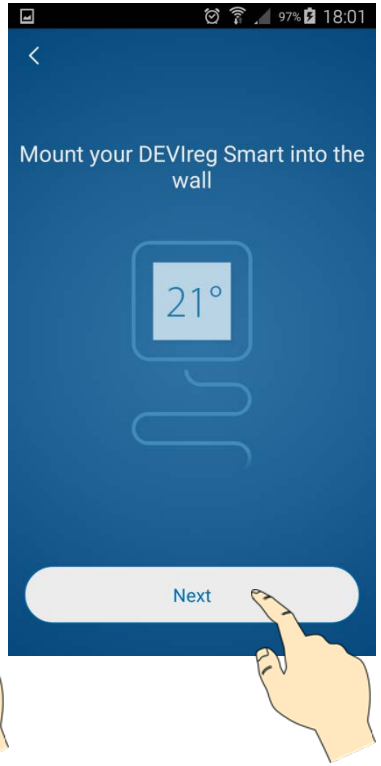
Set-up wizard, p1

Commissioning

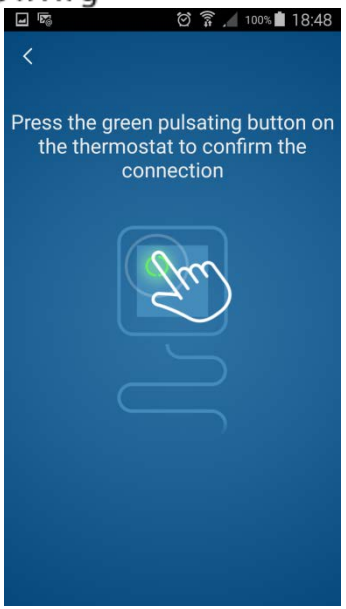
Read the text on the screen.
Help function available in start up.

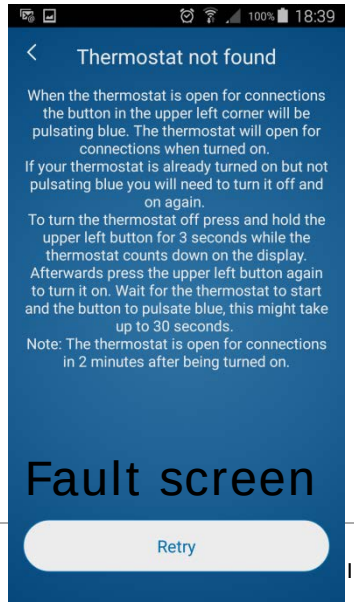




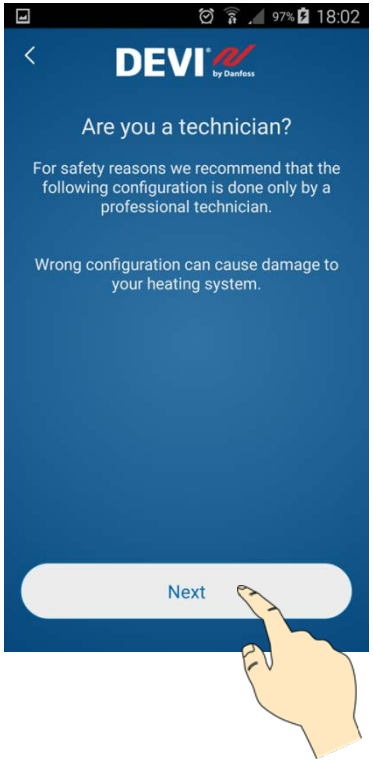


Start page





Fault screen

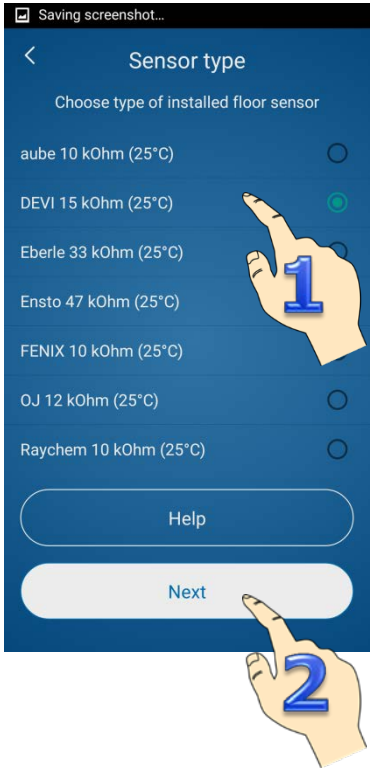


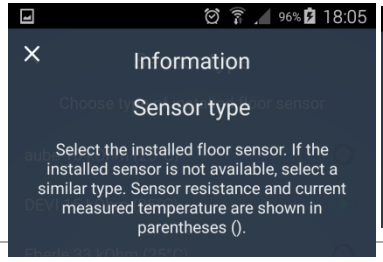
Set-up wizard, p2

Commissioning

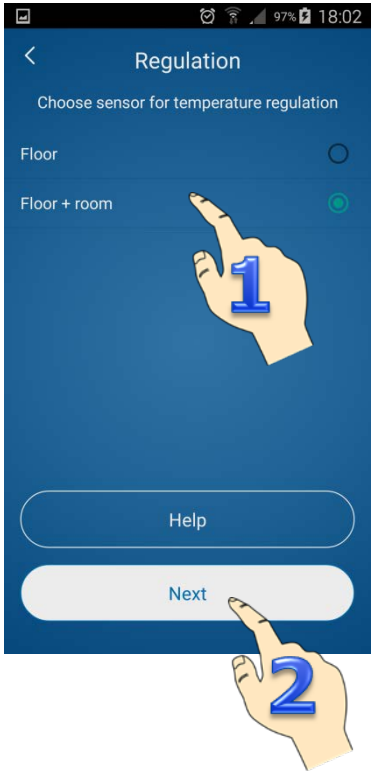
DEVI

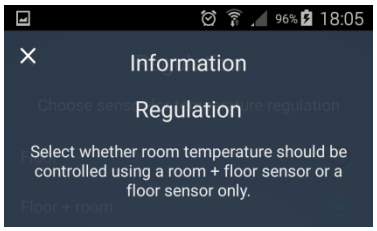
Chose sensor



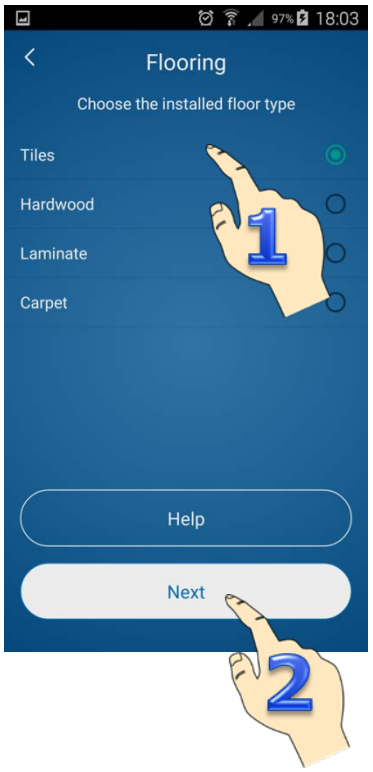


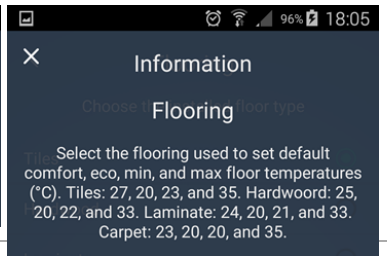
Room type



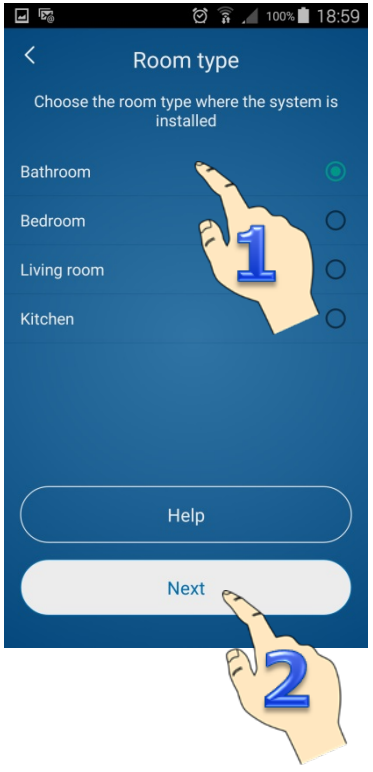


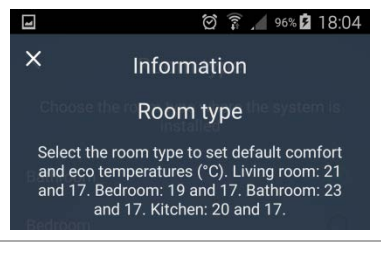
Surface type



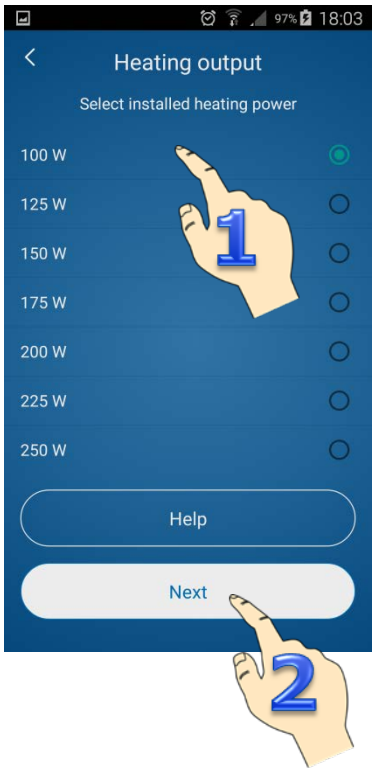


Room type





Choose Output

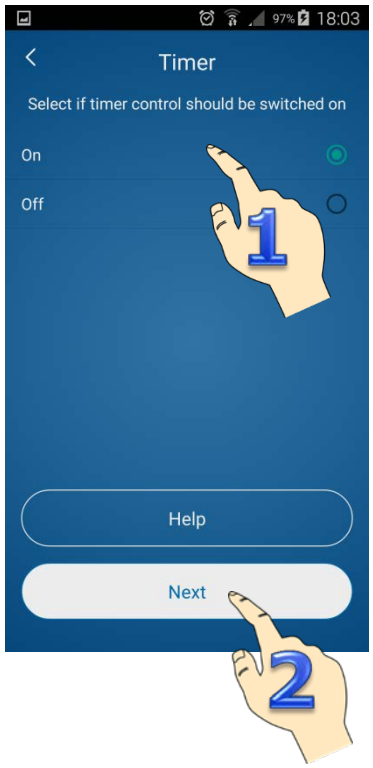


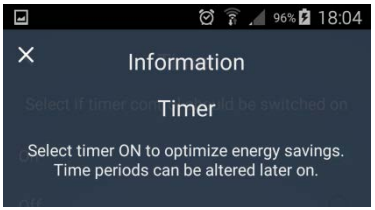
Set-up wizard, p3

Commissioning

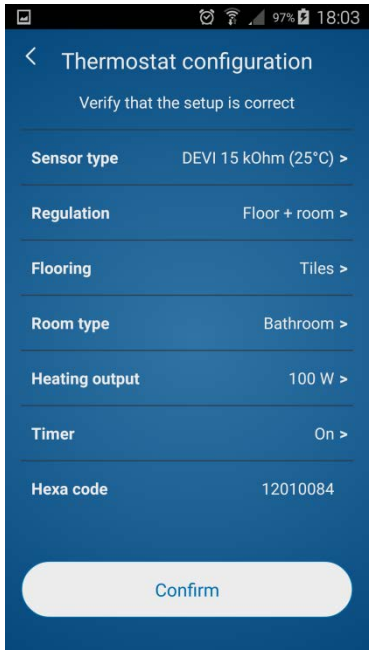
DEVI

Timer operation

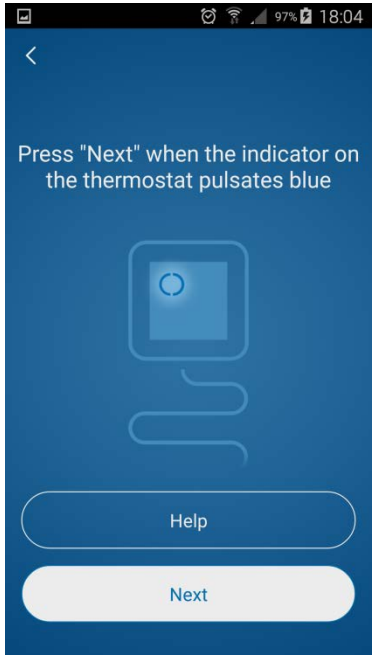


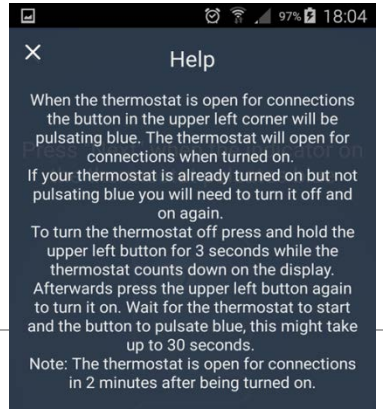


Set up overview Incl. HEX Code



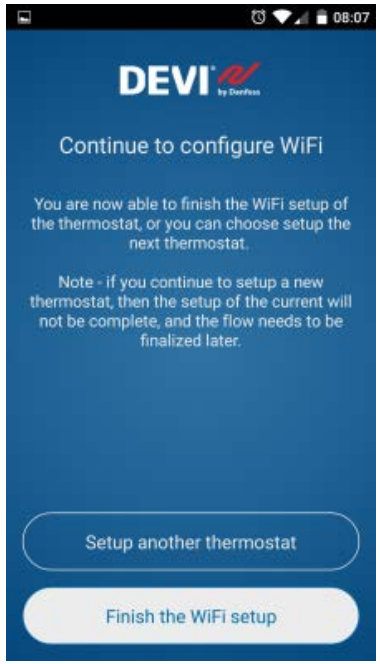
Transferring set up





Completed

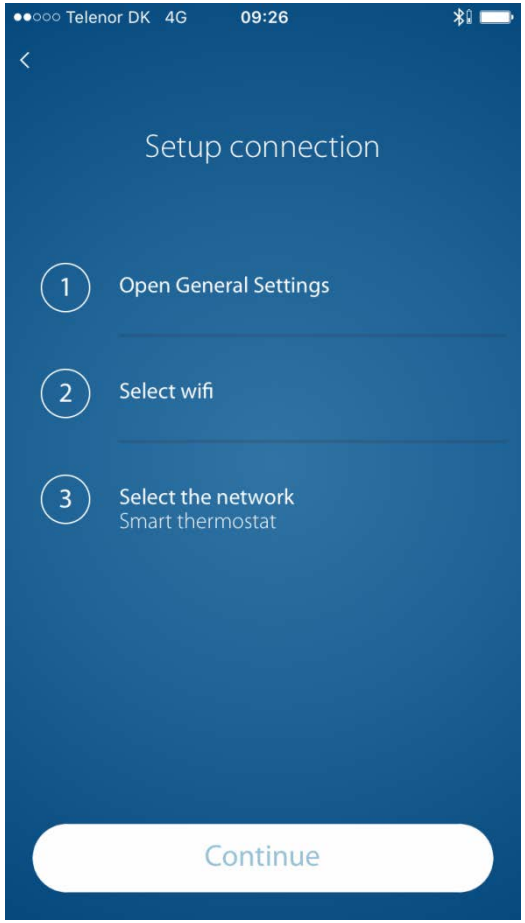
Start screen



Now you are connected to the DEVIreg™ Smart and **ready to connect it to Wi-Fi**. (se video)

Special for iOS

Android connects automatically to thermostat.
Just choose DEVIreg Smart Wi-Fi.



If user experiences a screen like this, it's necessary to go to:

Settings

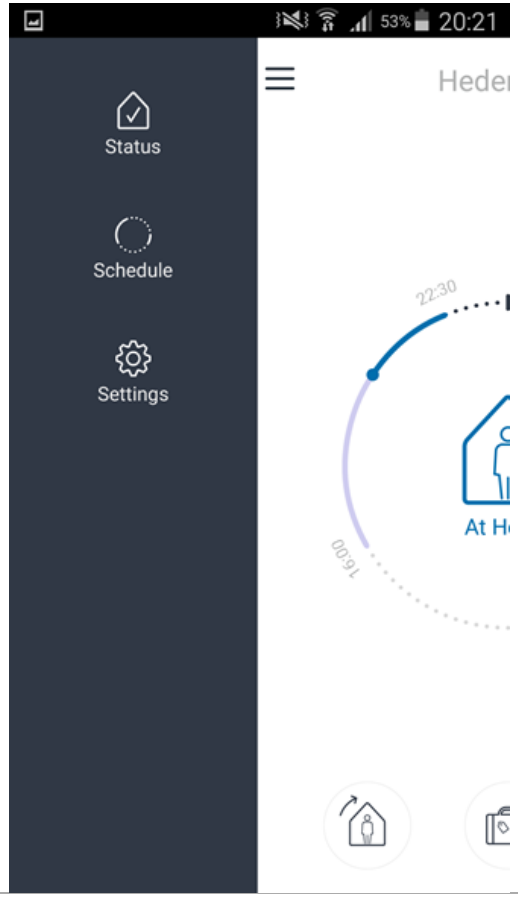
And Choose one of the following Wi-Fi connections:

Dominion App / Smart App / Devi App

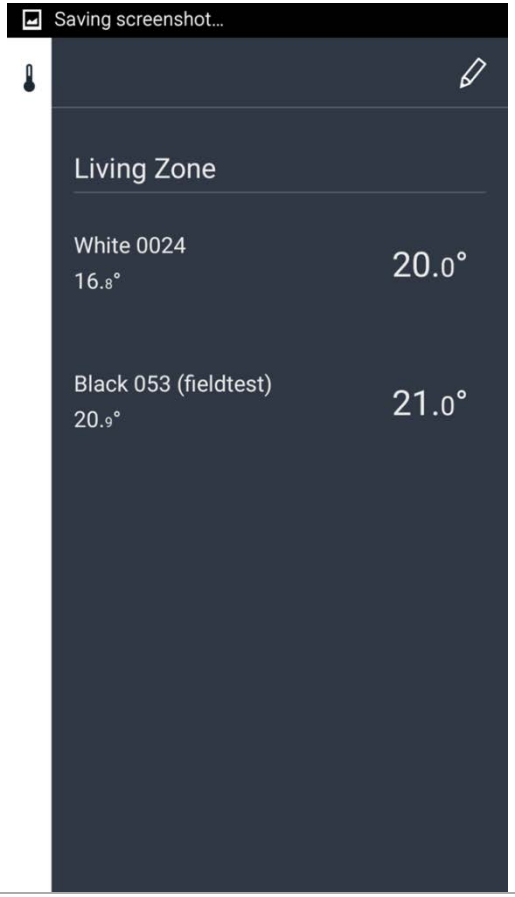
Operation mode

APP View
Step by step operation

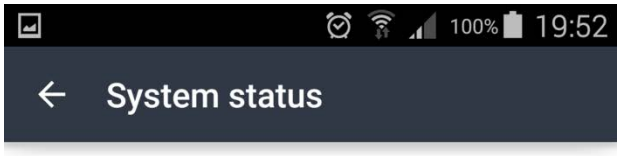
Left Icon



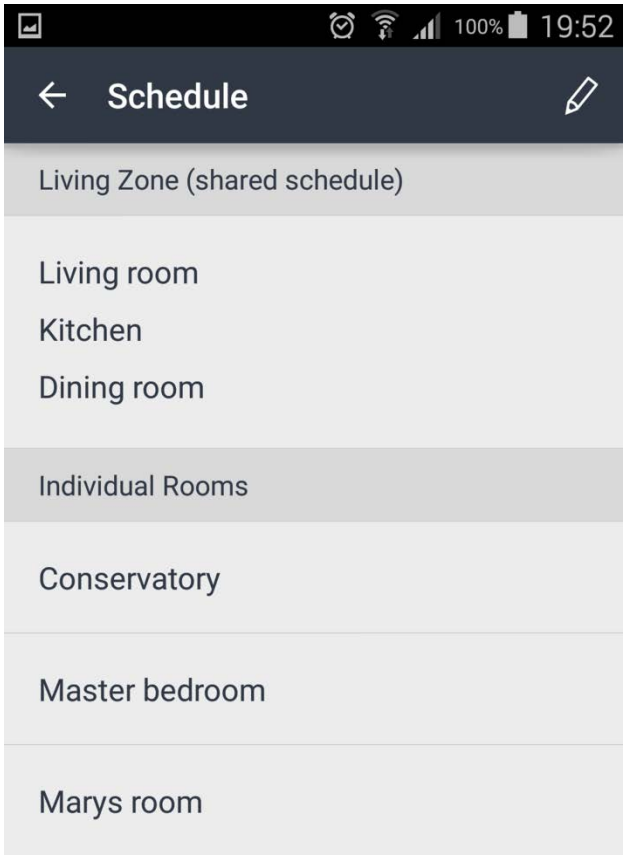
Right Icon



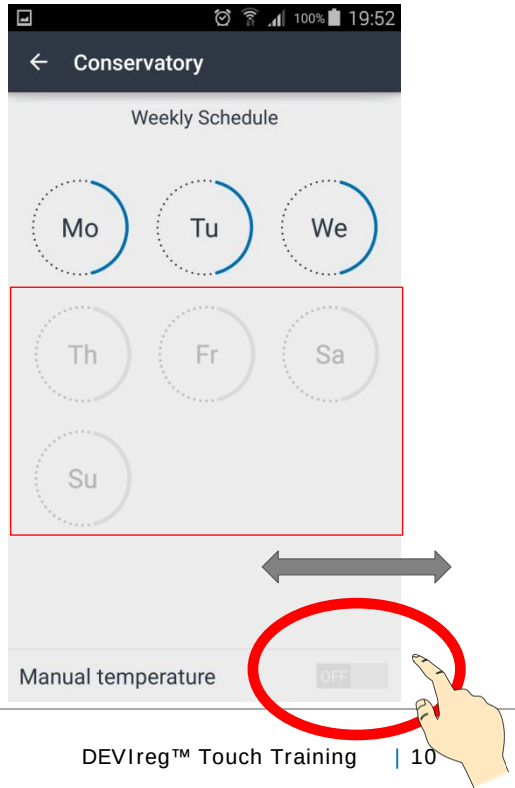
LEFT ICON
Settings Overview, p1



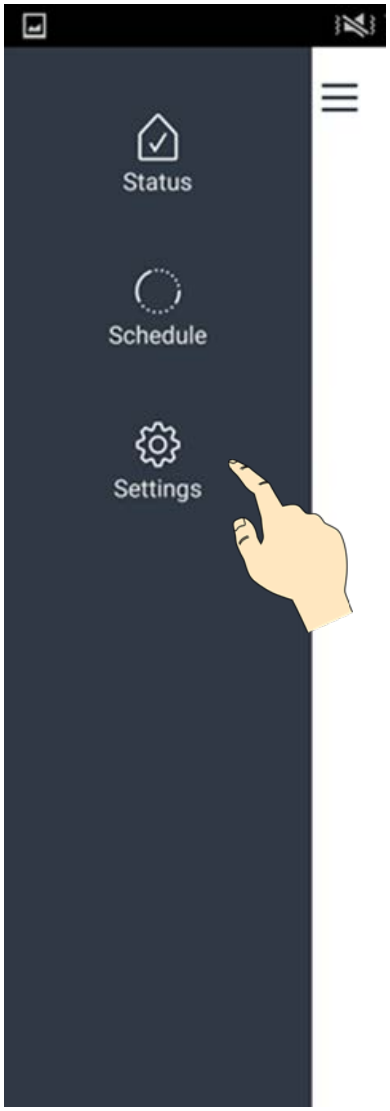
Empty, if no Alarms

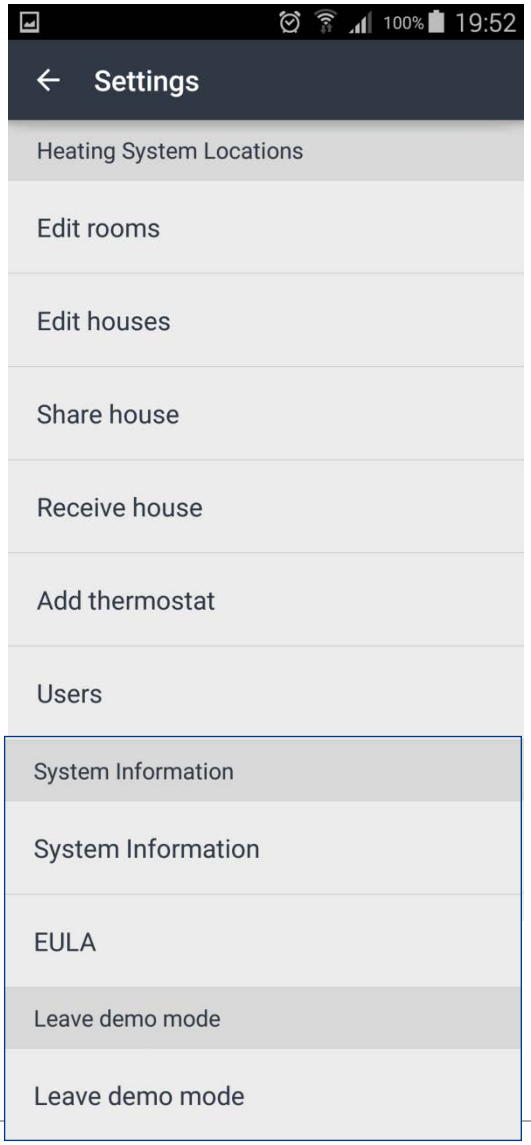


Set Timer Schedules for single room or Living Zone (house or area with several rooms).



LEFT ICON Settings, p2



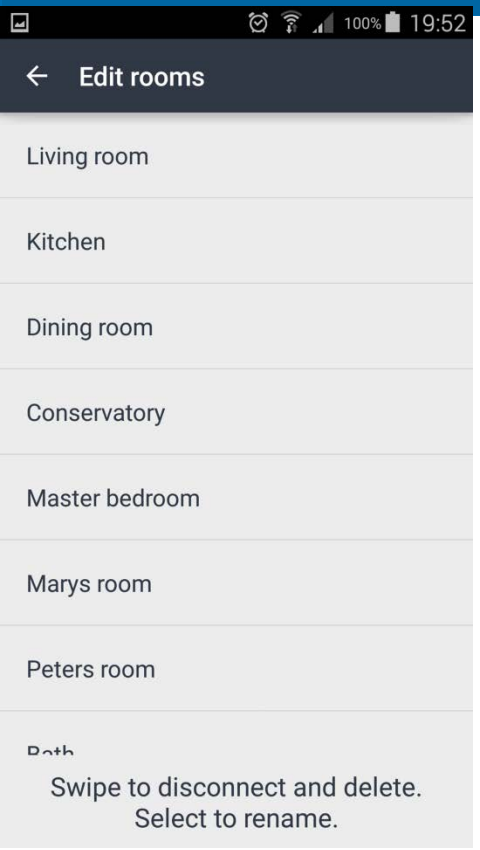


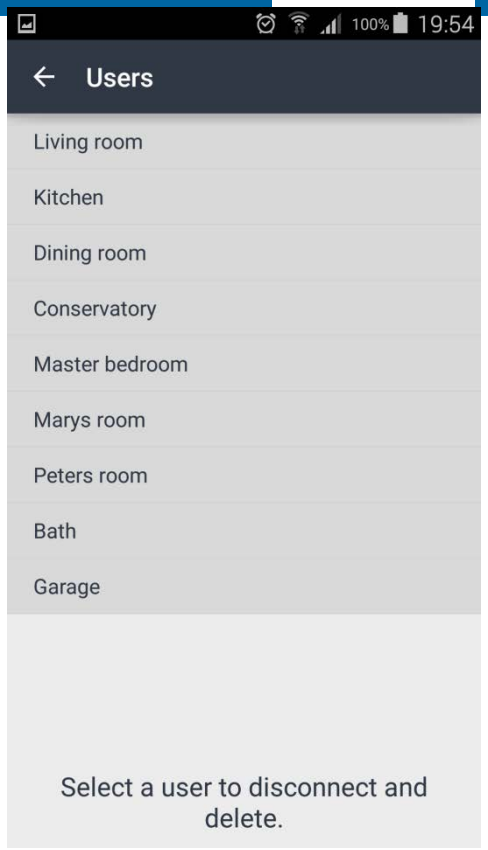
Deleting rooms
Deleting houses
Share house (or a room)
Receive HEXA Code with a room
Back to Thermostat start
Disconnect users

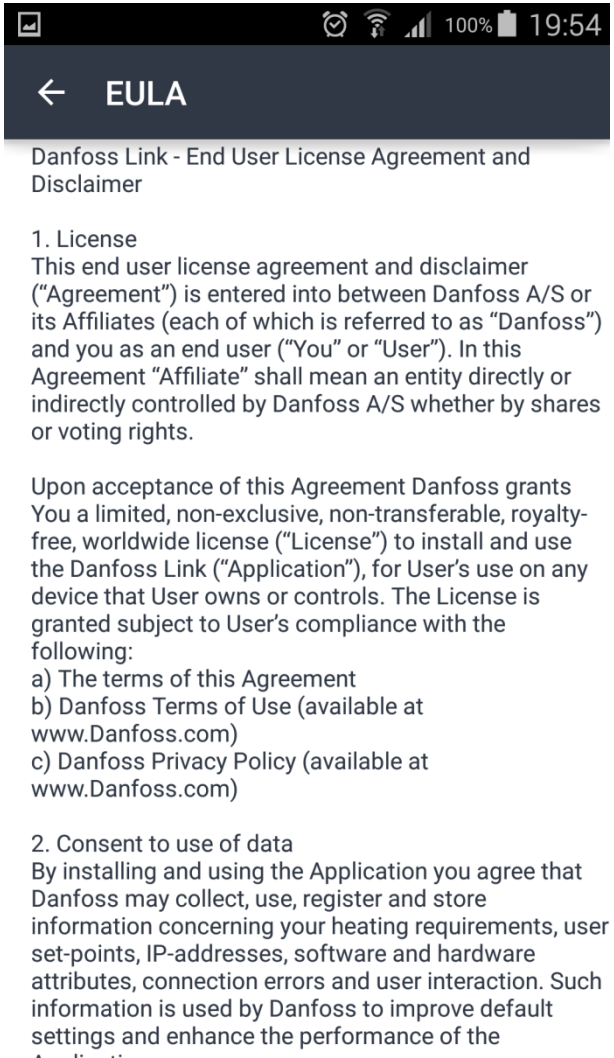
App version
Disclaimer

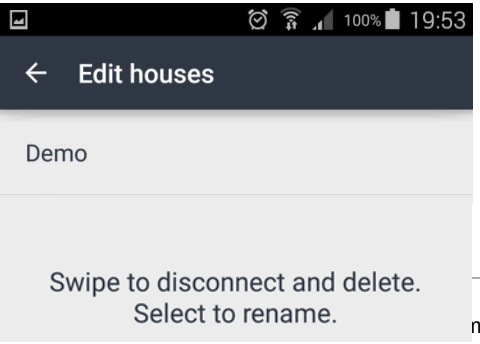
Back to blue start screen

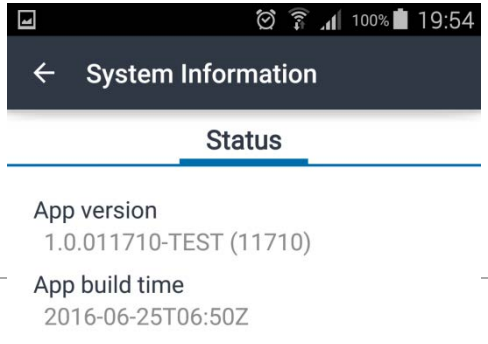
LEFT ICON Settings, p3



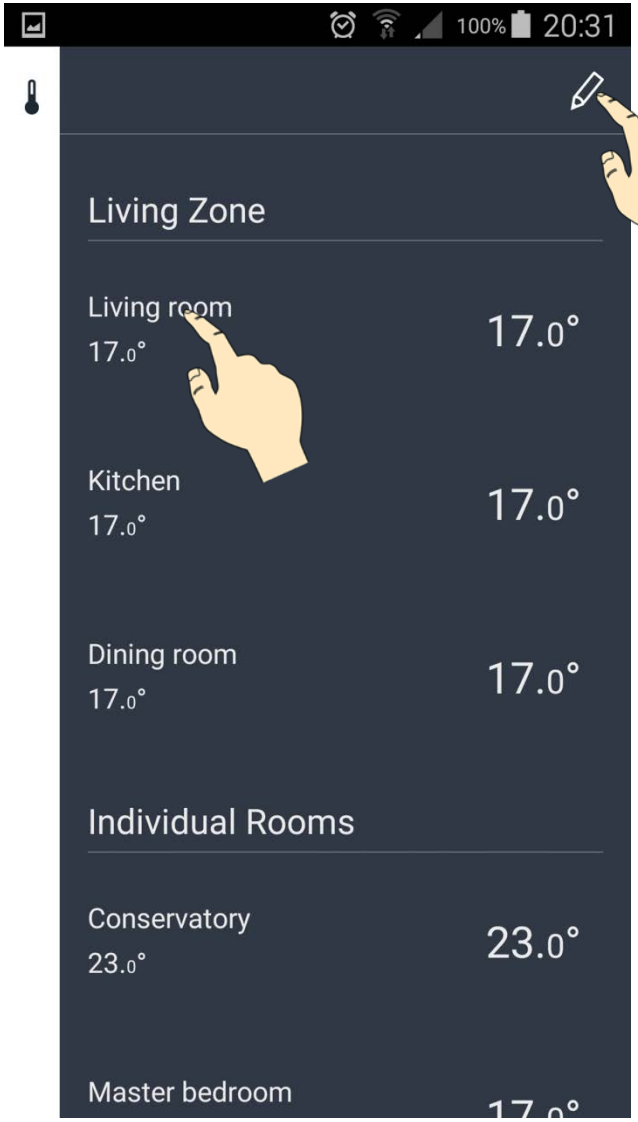








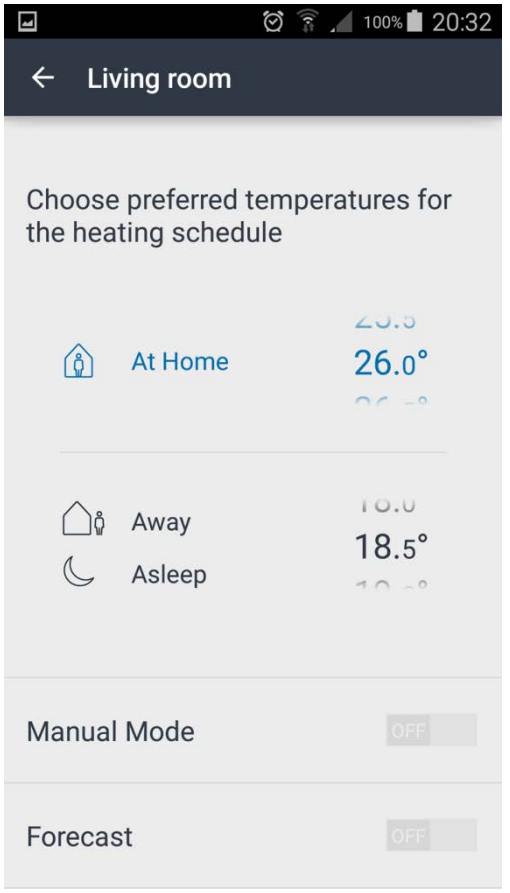
RIGHT ICON
Operation Menu, p1



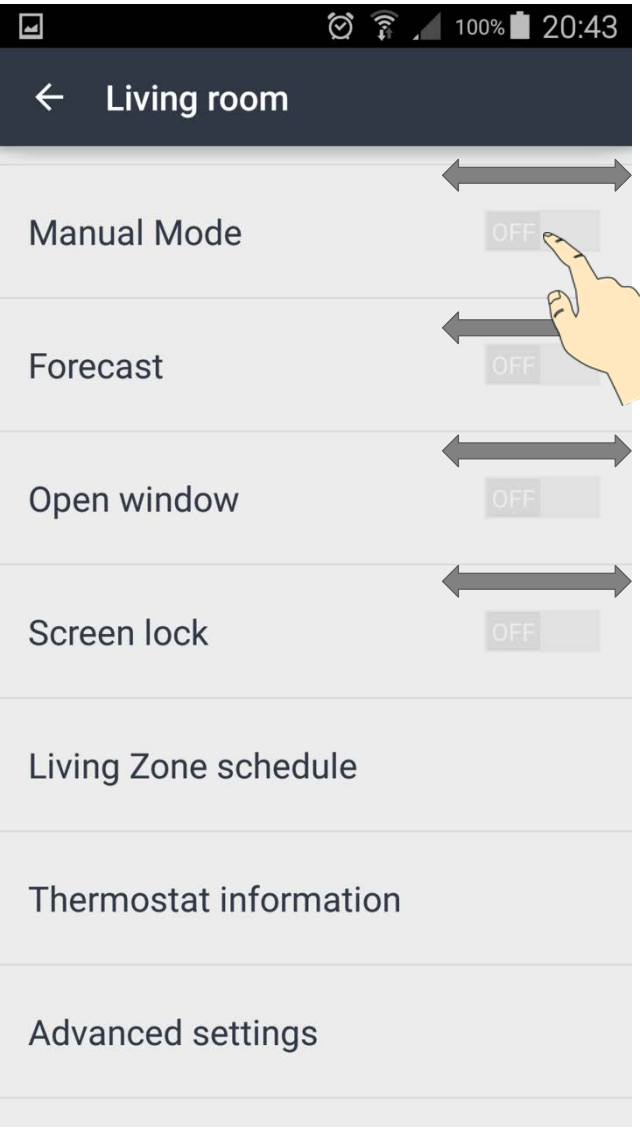
When Taped once, changes to

And temperatures can be adjusted up or down

When tapped, gives access To deeper level of settings



RIGHT ICON
Deeper level of settings, p2



On / Off for Manual mode

On / Off for Forecast

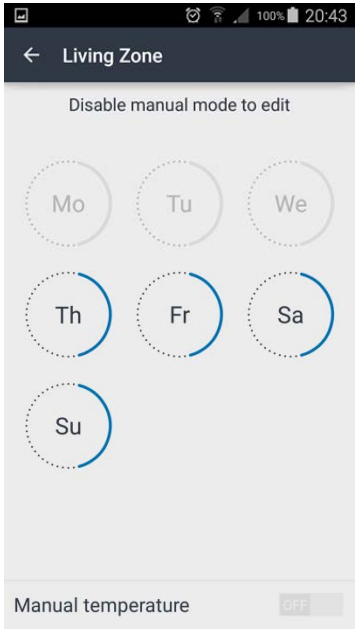
On / Off for Open Window Function

On / Off Temper proof protection (no manual change of settings on thermostat, only via APP)

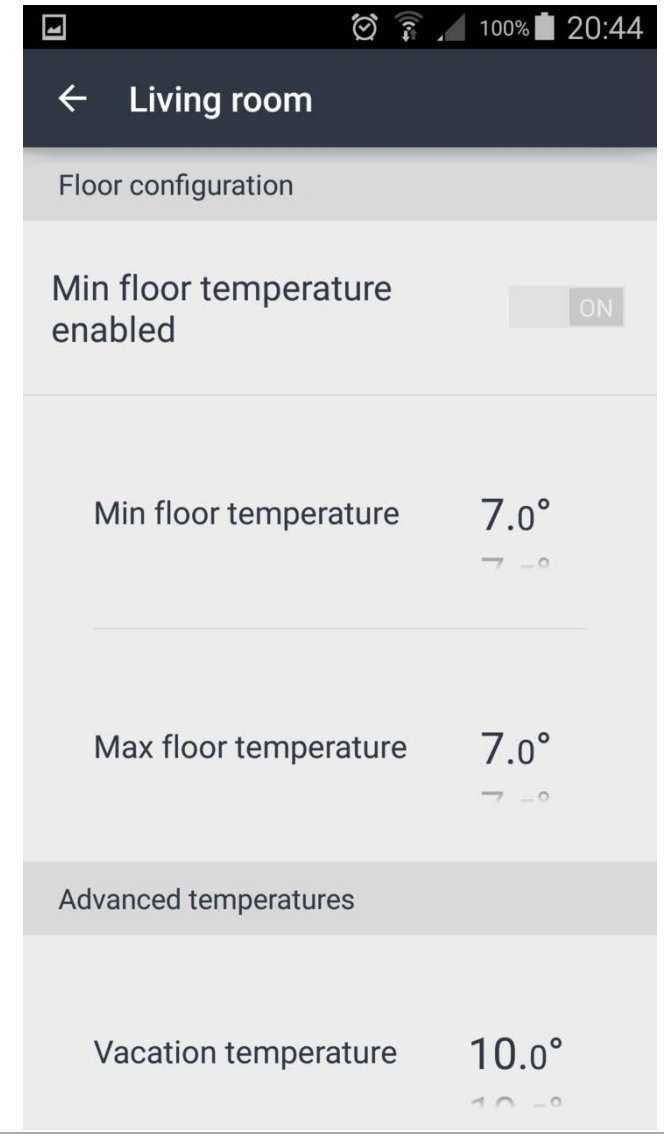
Setting up Timer for Living Zone

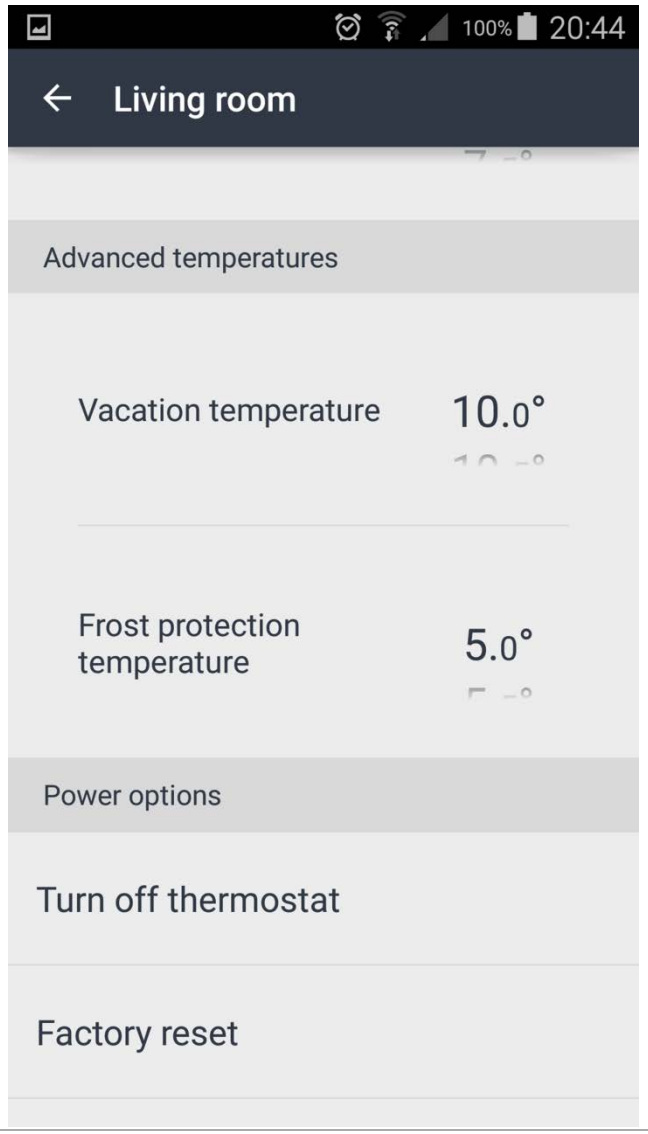
Software & hardware version, Serial number. **Power consumption**. Relay click count.

Se Following slides



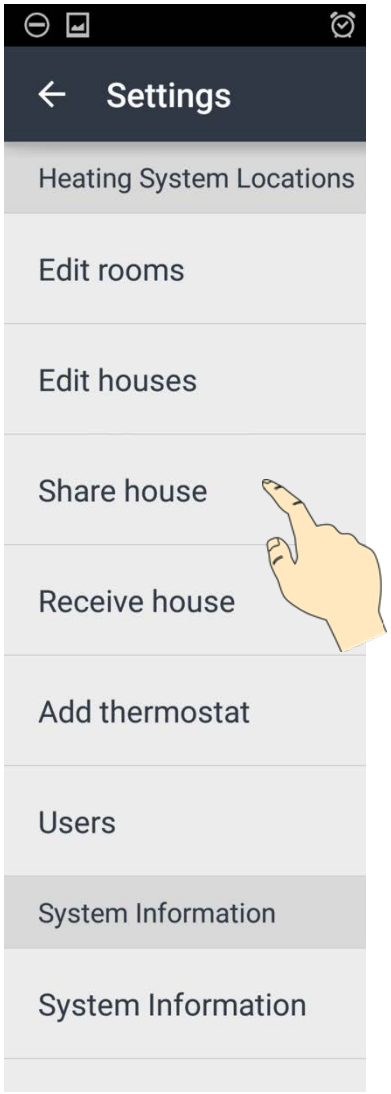
RIGHT ICON
Advanced Settings, p3

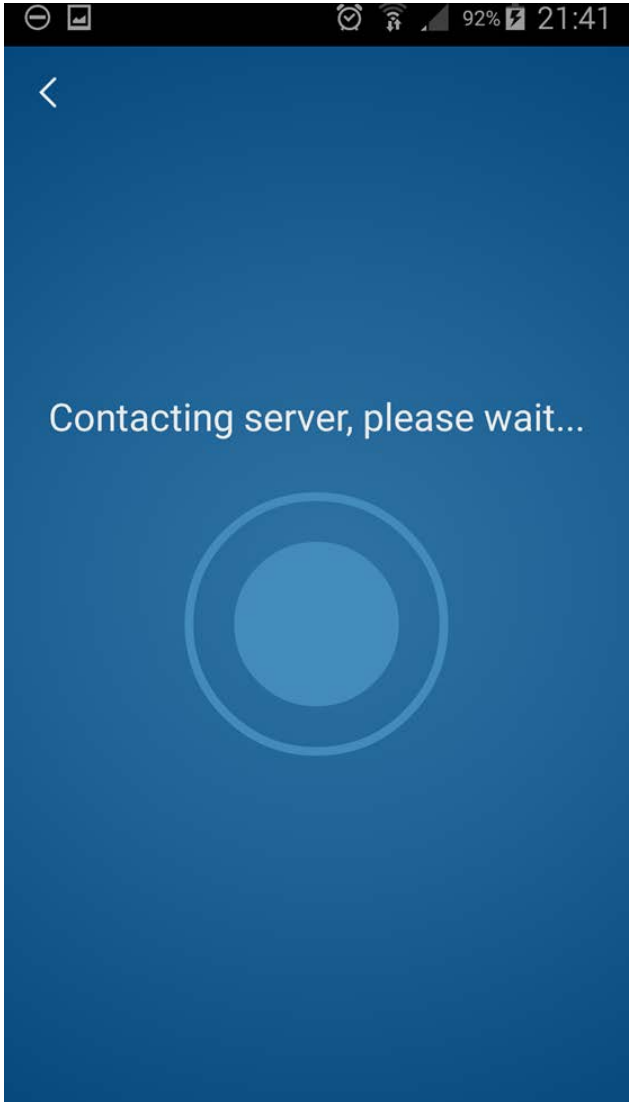


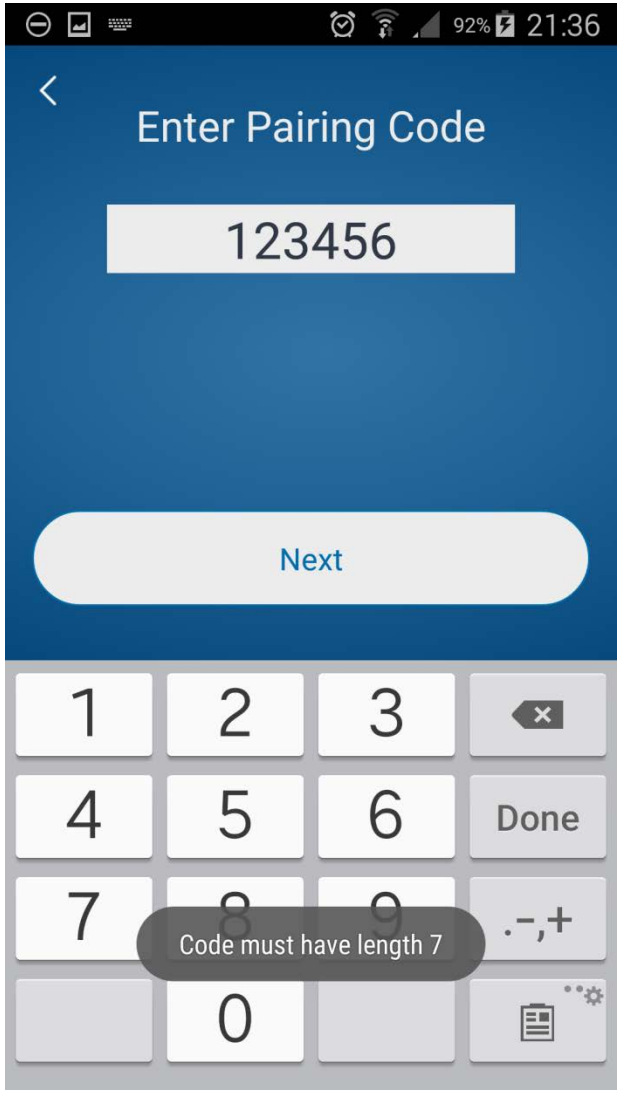


Receive a house

Receive a house, p1



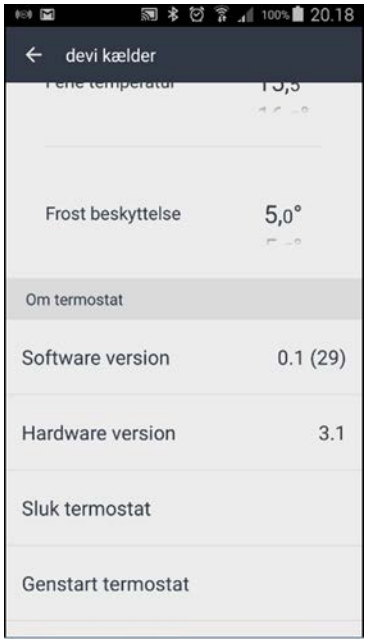




Additional information

Re-set

Factory reset / restore



- To remove all paired smart devices and restore all factory parameters except:
  - Count turn heating relay on->off.
  - Relay on time – the time the relay has been in on state.
  - System runtime & resets.
  - Sum of power consumption for: 7 – 30 Days & total power consumption
- Push and hold: Up arrow [2] and power button [1] for **5 sec**.. Countdown starts. Hold for all countdown. When display clears, confirm by touching power button [1] inside of 1 sec., to re-set.
- From Smart device
  - In: Advanced settings
  - After control button [1] turns green (for 5 sec. only), confirm by pressing the button.

Soft re-set = restart

- To clean all dynamic data
- Every time a heating mode is changed

Commissioning

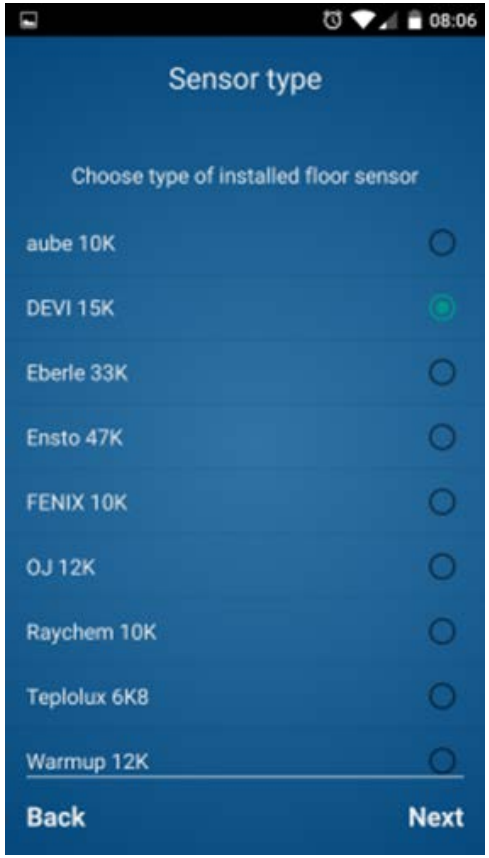
DEVIsmart.com

Adaptation to foreign sensors

Commissioning

How to find right brand

- Remove the sensor from the conduit to identify
- Identify brand of thermostat to be replaced
- Use customer knowledge to describe or identify
- Estimate floor temperature and make use of this in the sensor choice in APP.



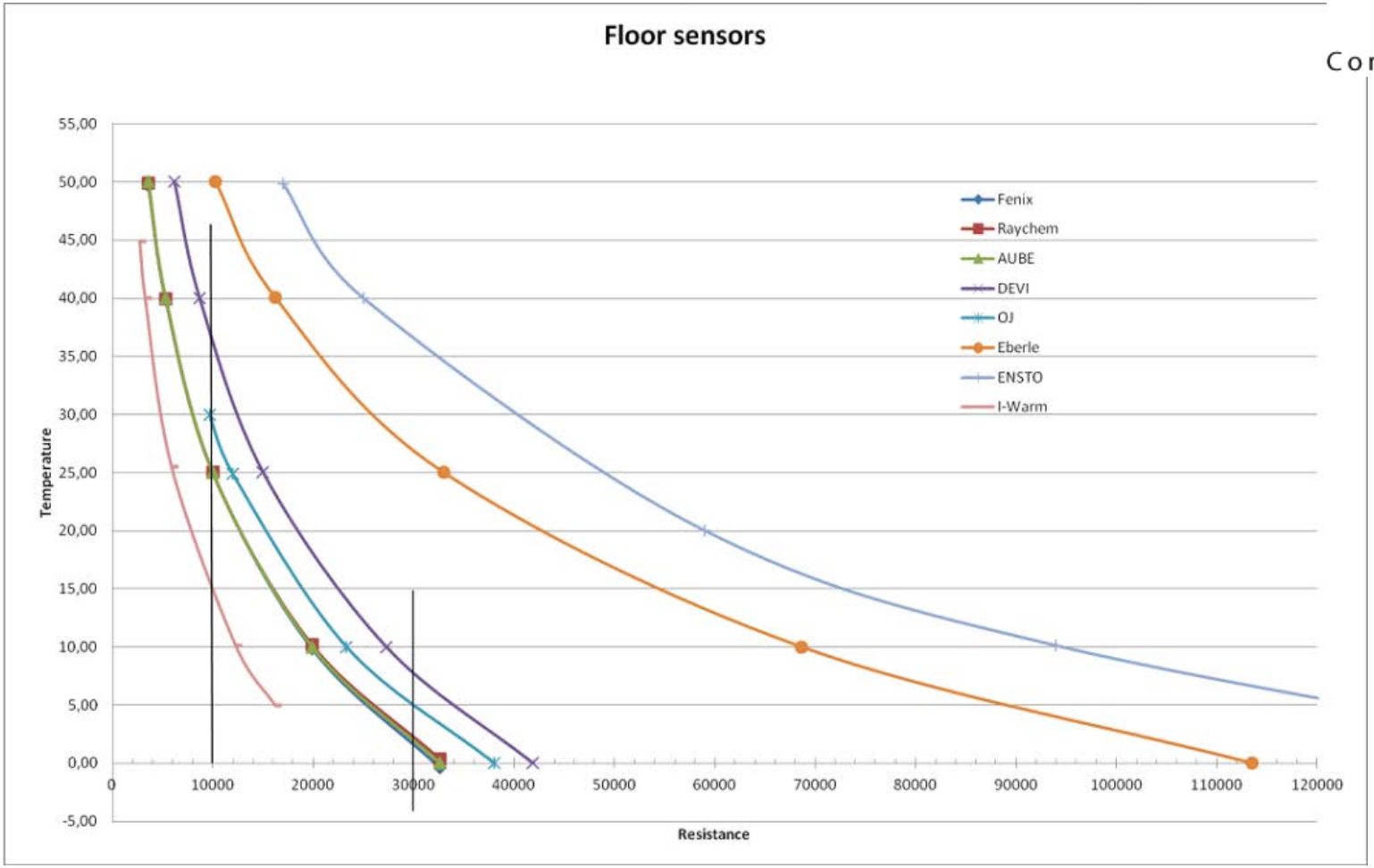
Adaptation to foreign sensors

When uncertain or when sensor is not listed?

- Example
  - Measure the sensors resistance, e.g. shows: ~22kΩ,
  - Installer estimates the floor temperature to be: ~15ºC
    - DEVI sensor would measure 17ºC
      - Floor will physically be 2 degrees colder than set point displayed
    - OJ would measure 12ºC
      - Floor will physically be 3 degrees warmer than set point displayed

Adaptation to foreign sensors

Temperature Resistance curves



Commissioning

DEVIreg™ Smart
Filed tests results

Contents:

FAQ
Wishes

FAQ

- Can vi set up e.g. APP as Master, so changes in device will not get into effect, if “Master” = APP doesn’t allow it? **Not currently, can be developed if interest is present.**
- Can “OPEN window function” be enabled/disabled via APP? **Yes. Will be available from APP version released in week 25.**
- How is user informed about: event of Open Window? **There will be an icon in the room list of the app showing if window open are detected.**
- When are intelligent features of Smart (like Forecast, Backcast) OFF? **Can be turned OFF in APP, in the future.**
- Where does the thermostat get it’s current time from? **During the setup the time will be set by the app. In normal operation: Thermostat will synchronize the time continuously with the secure server.**
- Is software updatable via WiFi, and will thermostat update it’s software automatically? **APP updates, every time, there is an APP available. Thermostat firmware will update automatically.**
- How long time does the display stay on, without interaction? **20 sec**.
- How long time does an internal battery keep an internal time? **24 hours**
- When electricity disappears, what information is kept in the unit? **All, except internal time, if the internal battery is drained.**
- If I add a sensor (e.g. floor sensor) at later date, how do I update the settings? **Via APP, it will be updated to support the setting change later.**
- When a smart device is connected with DEVIreg Smart, without Wi-Fi connection, How far away can I been from the thermostat (line of sight)? **The connection without Wi-Fi are only available during setup.**
- What version of Os/Android do I need for my smart device, to work with DEVISmart APP? **OS v. 7.0 (works with lack on updated iPhone 4), Android v. 4.3.**

Possible improvements Findings from Test

- No visual points for interface (touch) on thermostat. **Designed that way. Easy to blend in.**
- Feels, as it is sticking quite far out of a wall. **Needed for ventilation.**
- Possibility for floor regulation only. **Included in software. Show floor temp.**
- Extreme difficult to dismount, possible with screwdriver only. **24 week.**
- Set timer: We need **3 time schedule per day**, because you have rooms like kitchen which are used to three different time slots. **Possibility for update. Currently, not planned in development schedule after release.**
- Glass surface is not sensitive enough. **Will be changed.**
- End user wants to know: how many energy the floor heating is using? **Will be installed in coming relies.**

- Installation process (I phone)

A) It was not clear enough described that I have to go to general settings and to search for the specific WLAN from Smart. **Video.**

B) on the screen from my I phone the cursor was not set to the line if I have to enter something (like my Home WLAN net or security code) please make visible! Will be solved for sales version.

c) By connecting the Thermostat with your I phone the blue light is flashing, but you not see any interaction with your phone, so you are not sure what is ongoing. **Blue light blinking = ready to connect / connecting.**

- Connection from Danfoss WLAN was not always possible, why? **Danfoss high security settings.**