

ENGINEERING
TOMORROW

Danfoss

DEVlreg™ Smart – Smart App



How to install and operate



Contents:

Installation & commissioning

Use

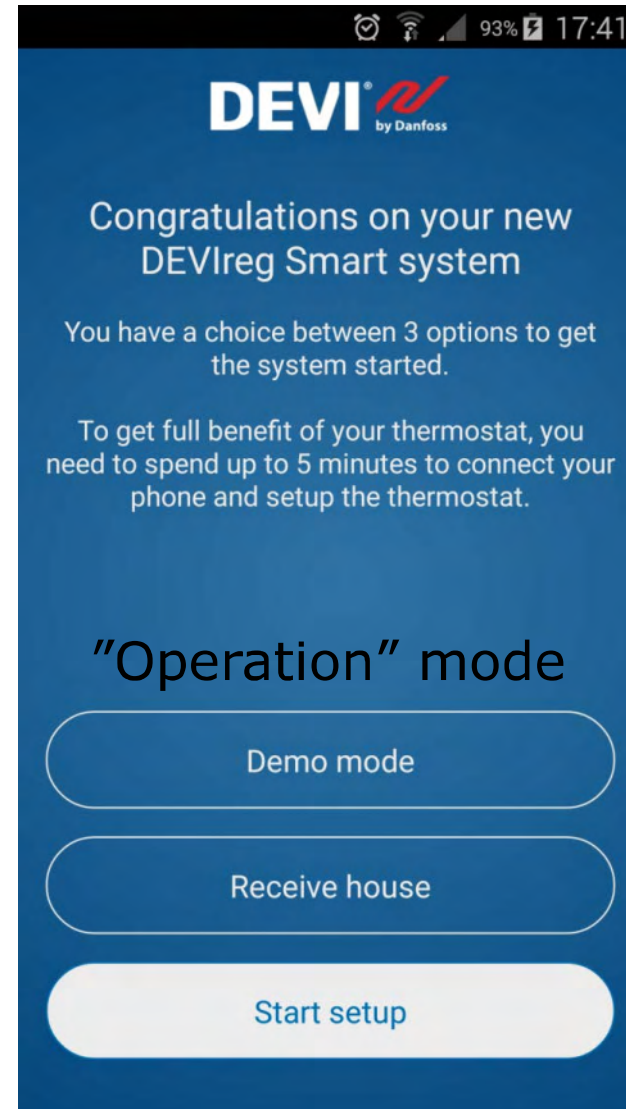
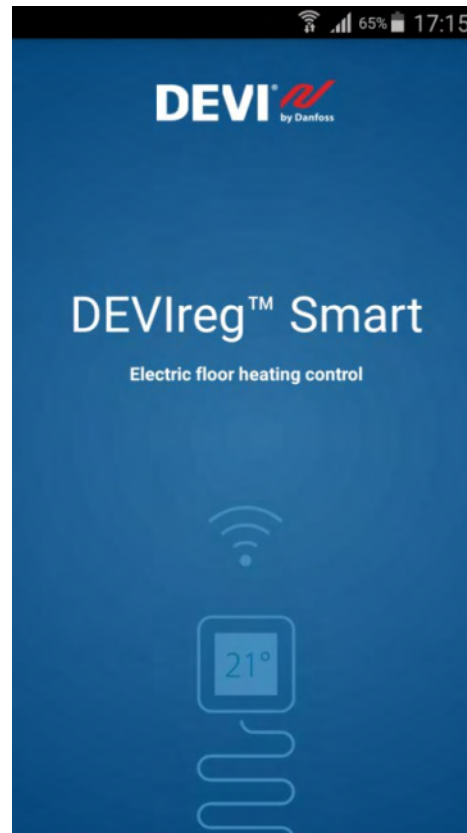
About the APP - Version

Download app from Google Play or App Store
Constantly updated

Search words are:

- DEVIreg Smart
- DEVIreg

Video



Page

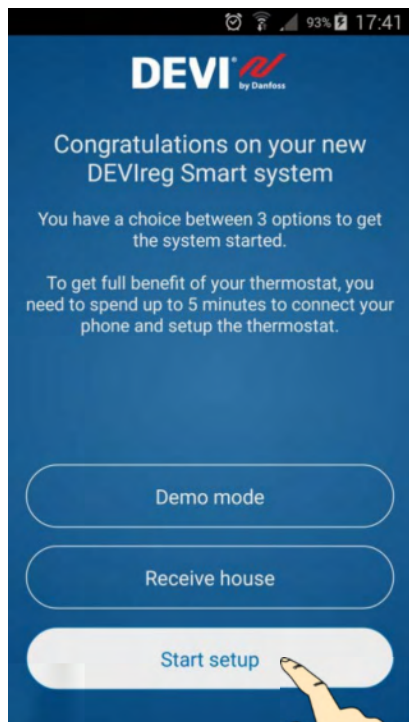
9-15

17

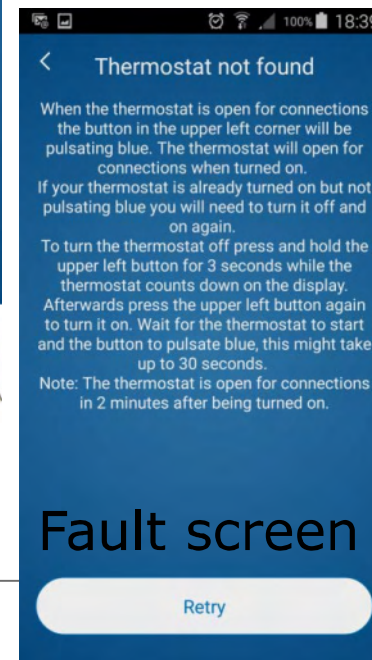
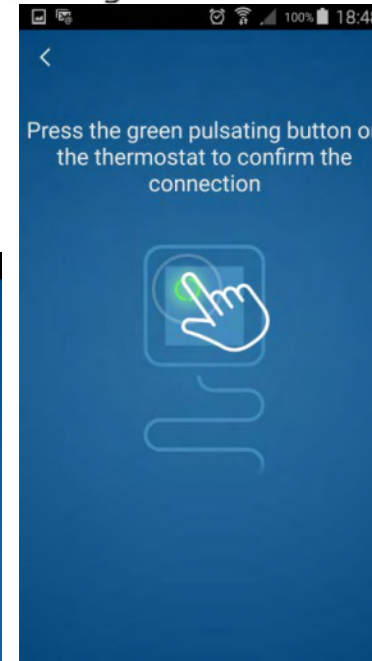
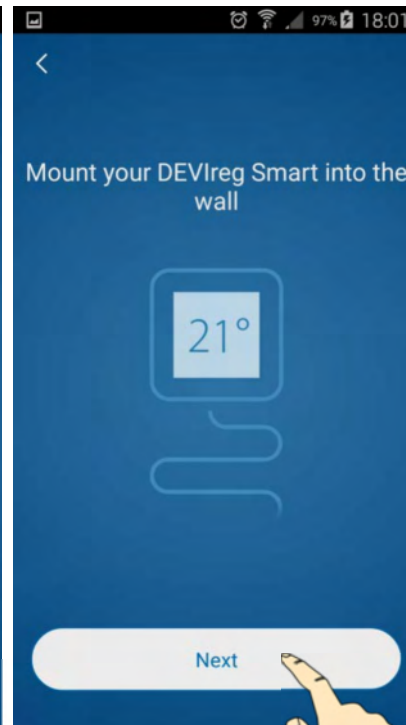
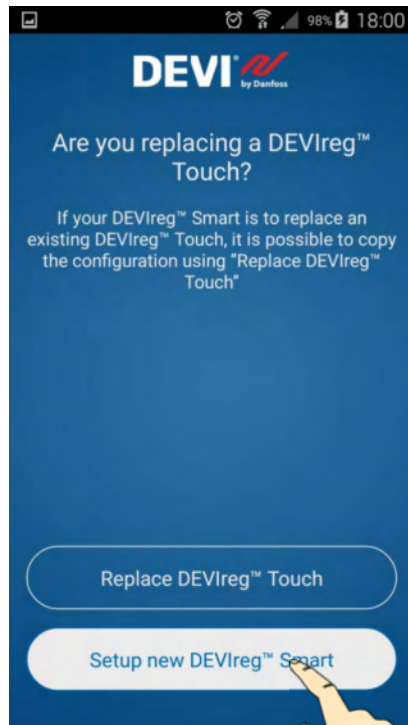
4-7



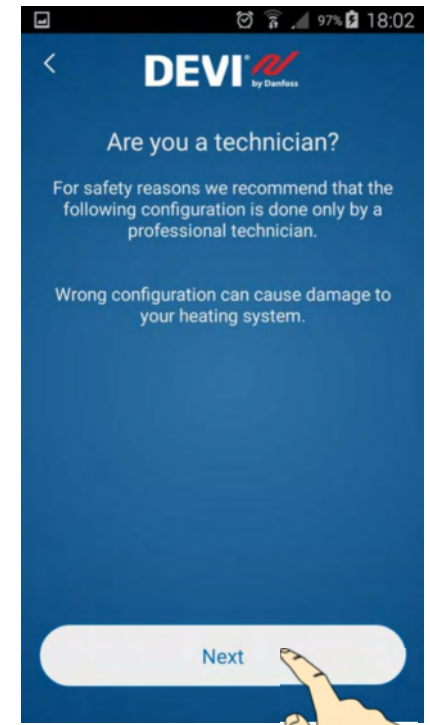
**Read the text on the screen.
Help function available in start up.**



Start page



Fault screen



Set-up wizard, p2



Commissioning

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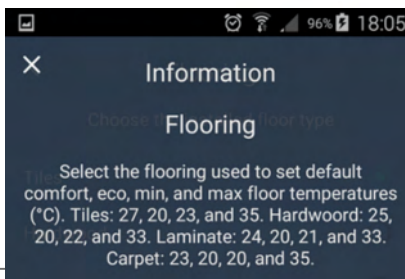
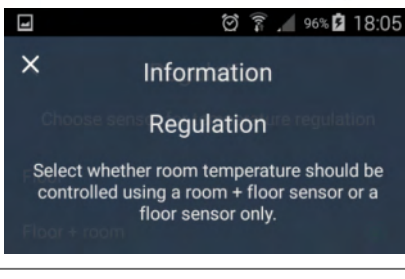
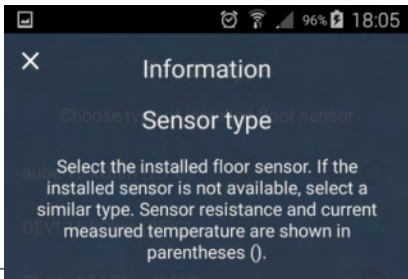
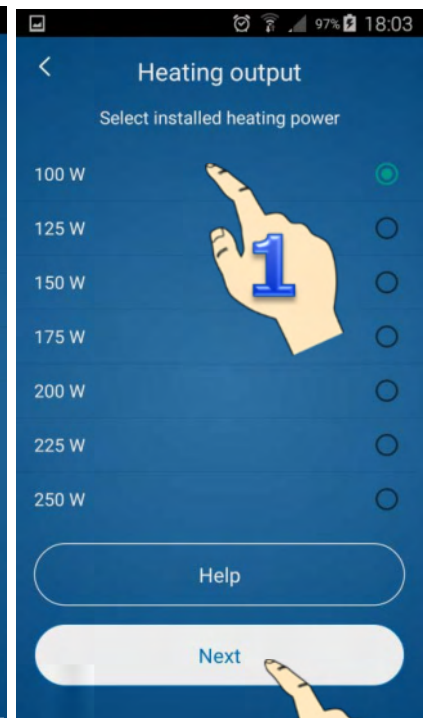
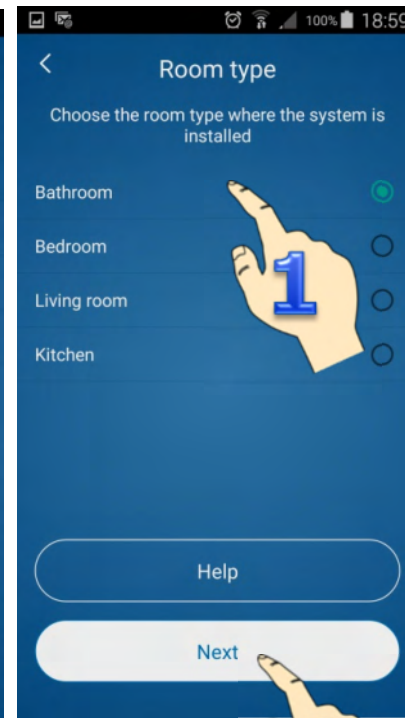
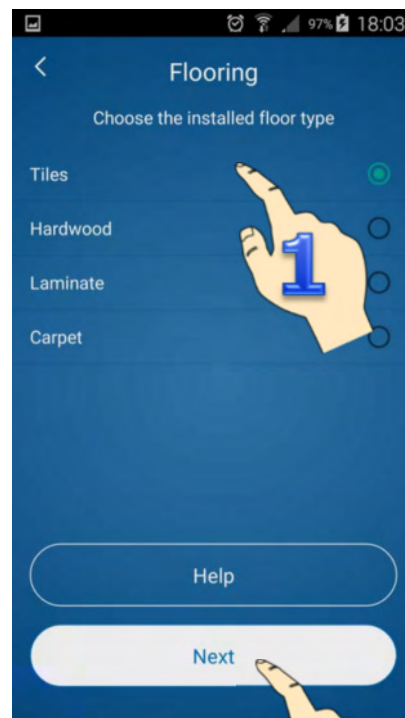
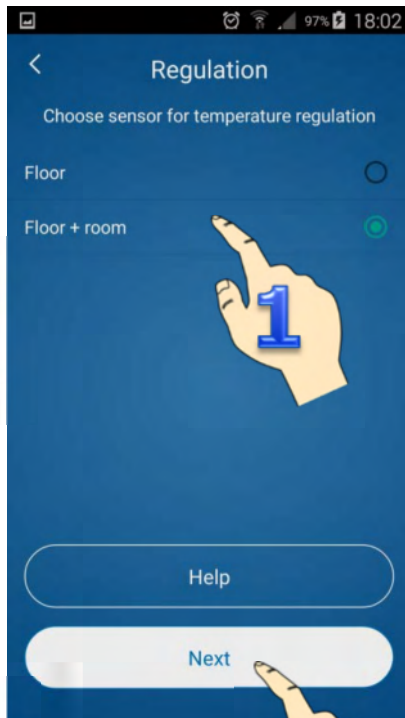
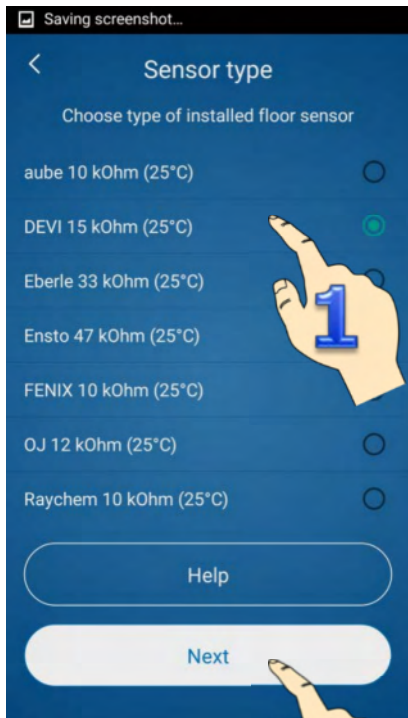
Chose sensor

Room type

Surface type

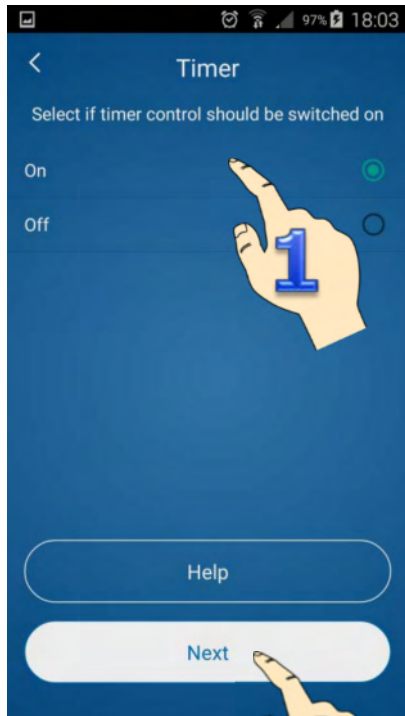
Room type

Choose Output

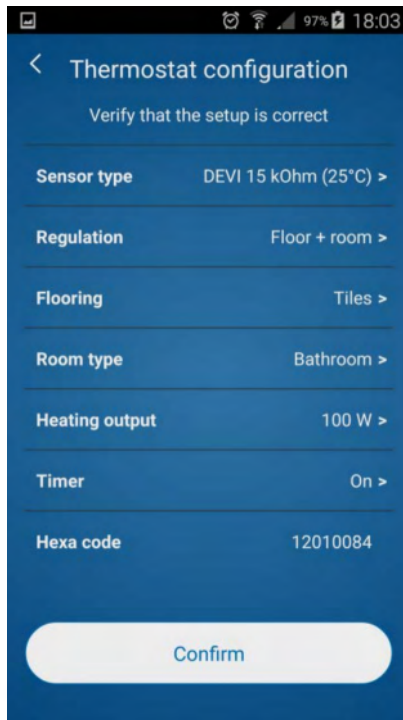




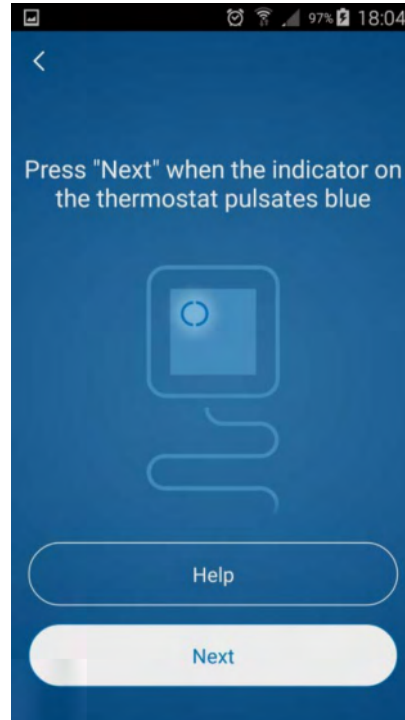
Timer operation



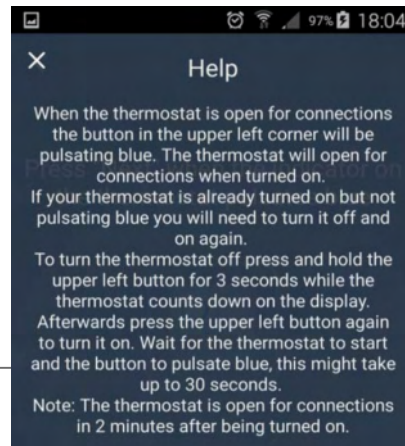
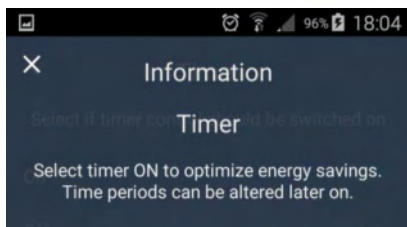
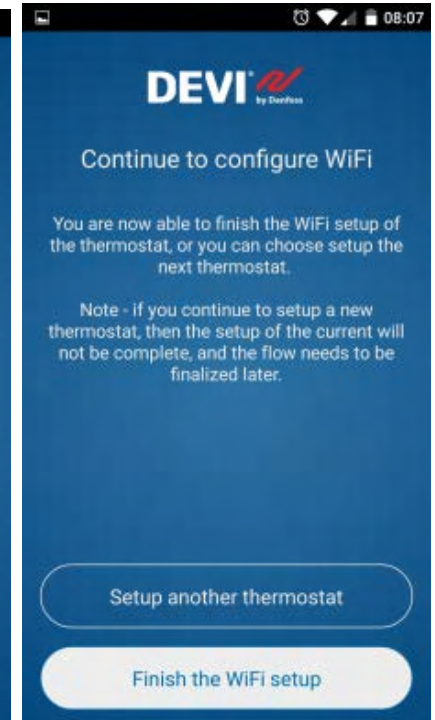
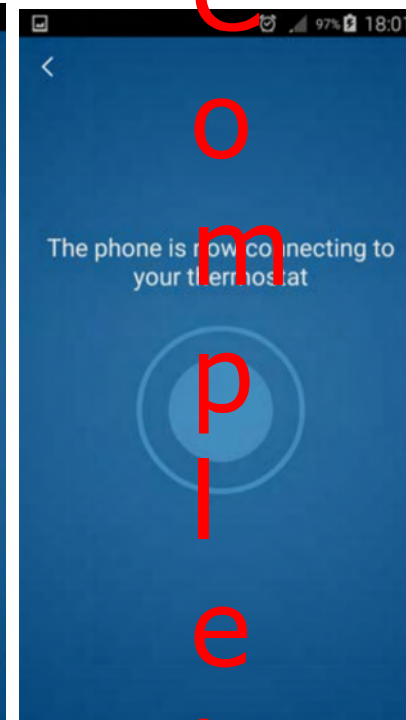
Set up overview Incl. HEX Code



Transferring set up

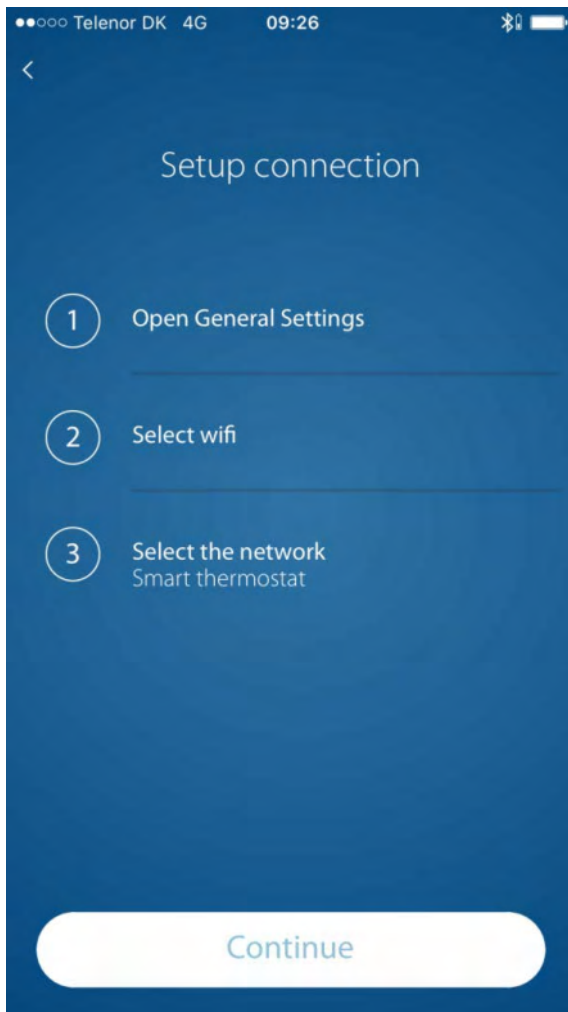


Start screen



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

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

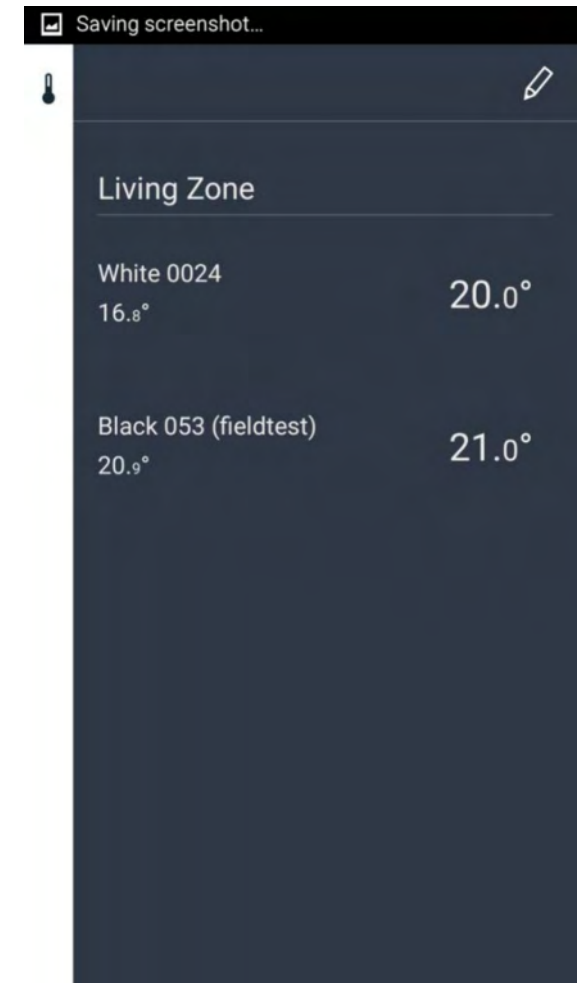
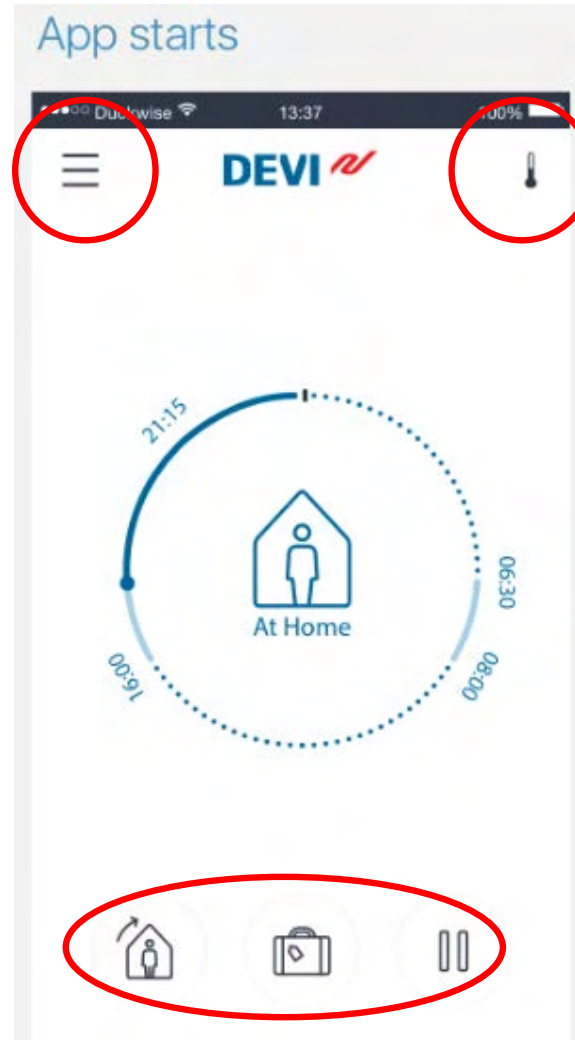
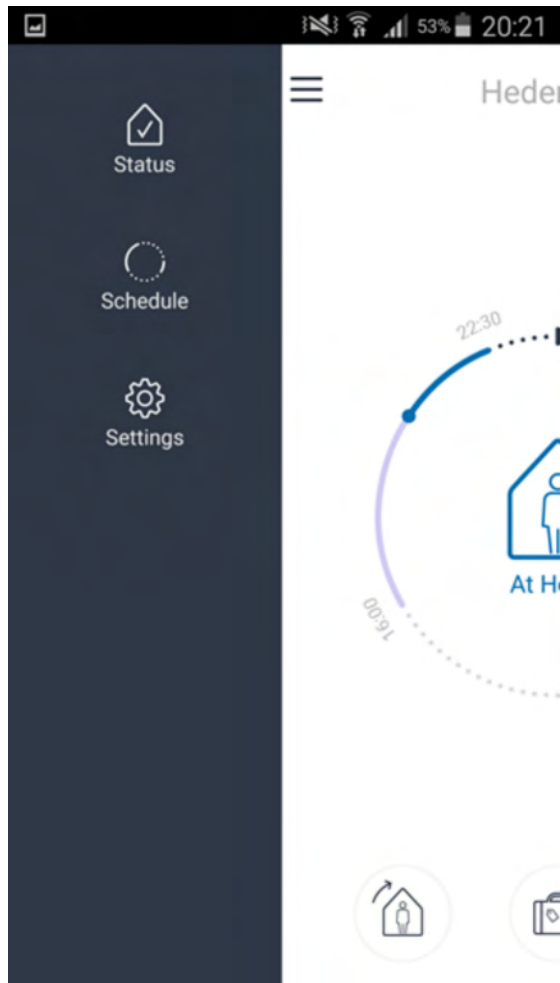
Operation mode

APP View

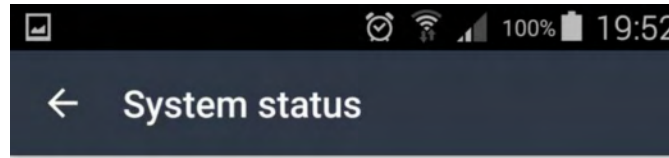
Step by step operation

Left Icon

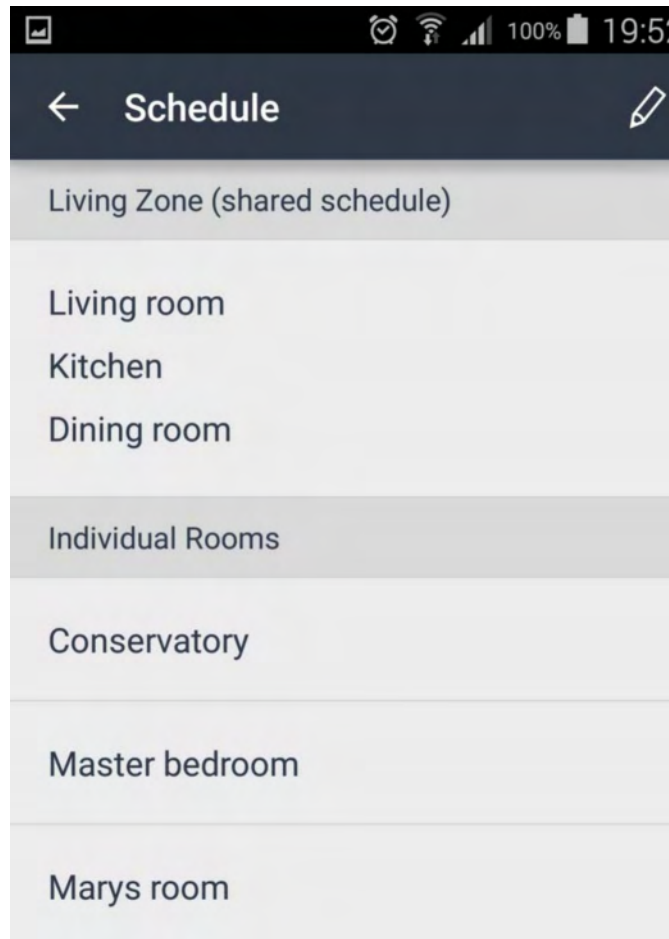
Right Icon



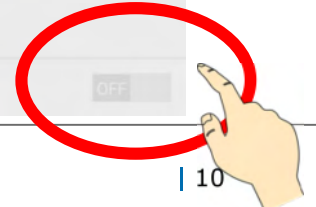
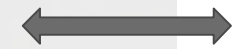
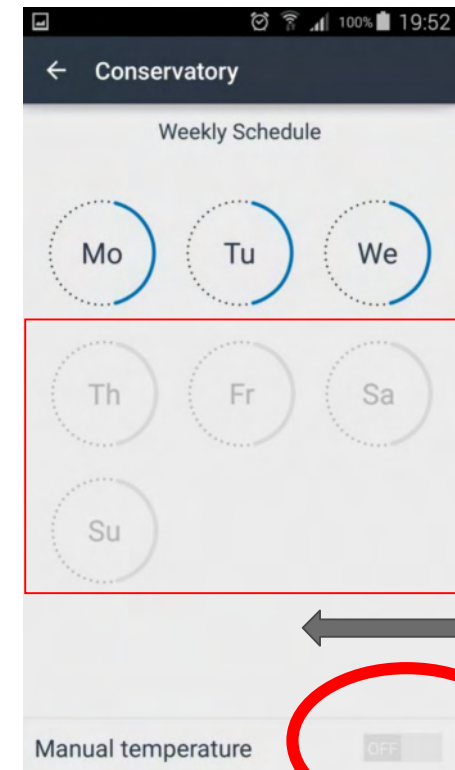
LEFT ICON Settings Overview, p1

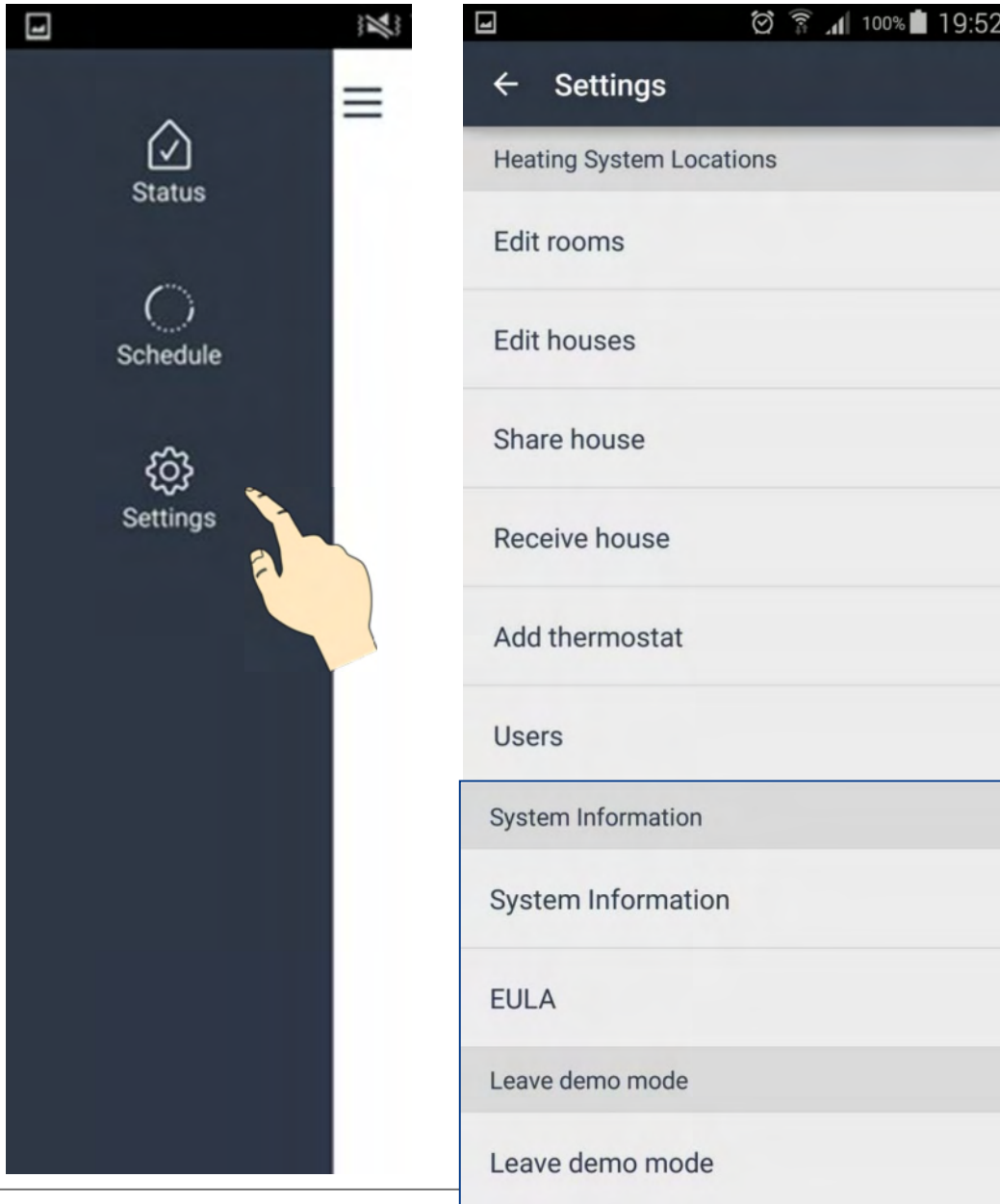


Empty, if no Alarms



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



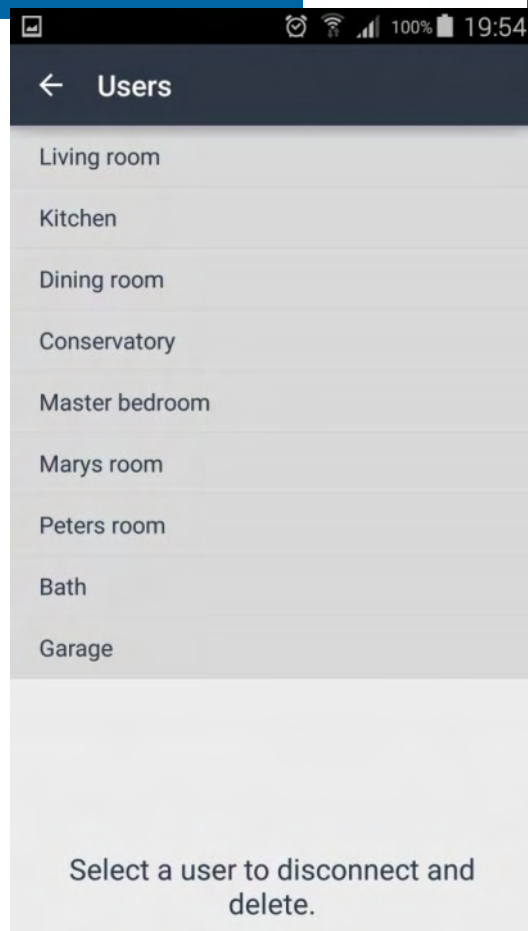
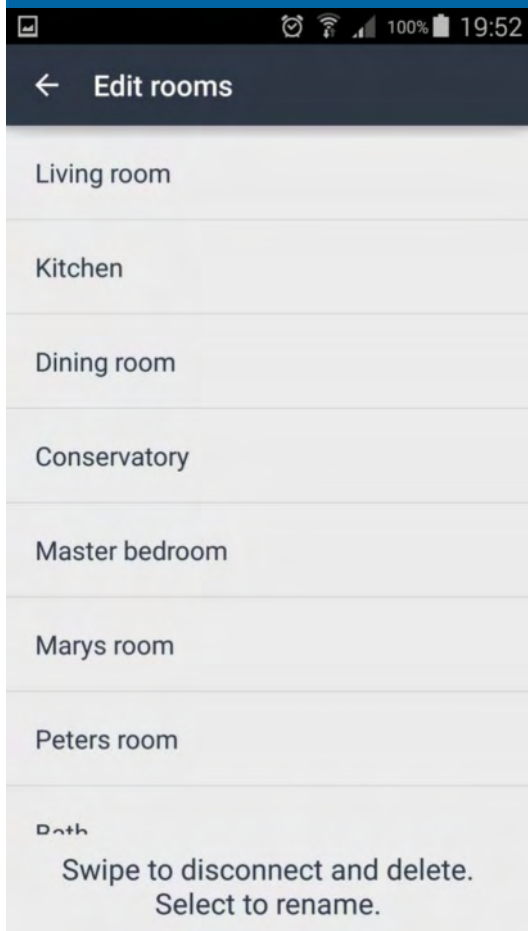


Deleting rooms
Deleting houses
Share house (or a room)
Receive HEXA Code with a room
Back to Thermostat start
Disconnect users

App version
Disclaimer

Back to blue start screen

LEFT ICON Settings, p3



Danfoss Link - End User License Agreement and Disclaimer

1. License

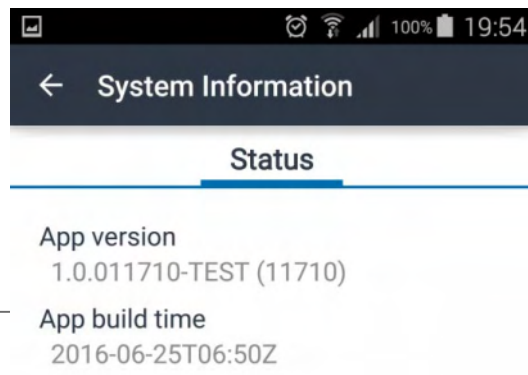
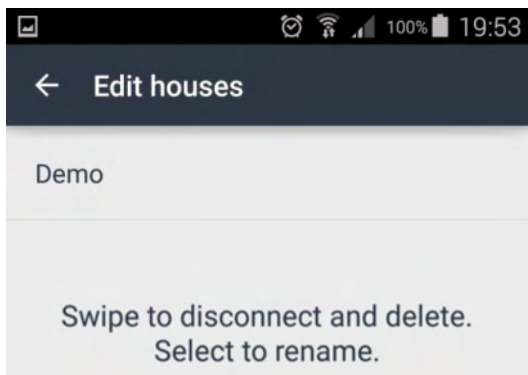
This end user license agreement and disclaimer ("Agreement") is entered into between Danfoss A/S or its Affiliates (each of which is referred to as "Danfoss") and you as an end user ("You" or "User"). In this Agreement "Affiliate" shall mean an entity directly or indirectly controlled by Danfoss A/S whether by shares or voting rights.

Upon acceptance of this Agreement Danfoss grants You a limited, non-exclusive, non-transferable, royalty-free, worldwide license ("License") to install and use the Danfoss Link ("Application"), for User's use on any device that User owns or controls. The License is granted subject to User's compliance with the following:

- a) The terms of this Agreement
- b) Danfoss Terms of Use (available at www.Danfoss.com)
- c) Danfoss Privacy Policy (available at www.Danfoss.com)

2. Consent to use of data

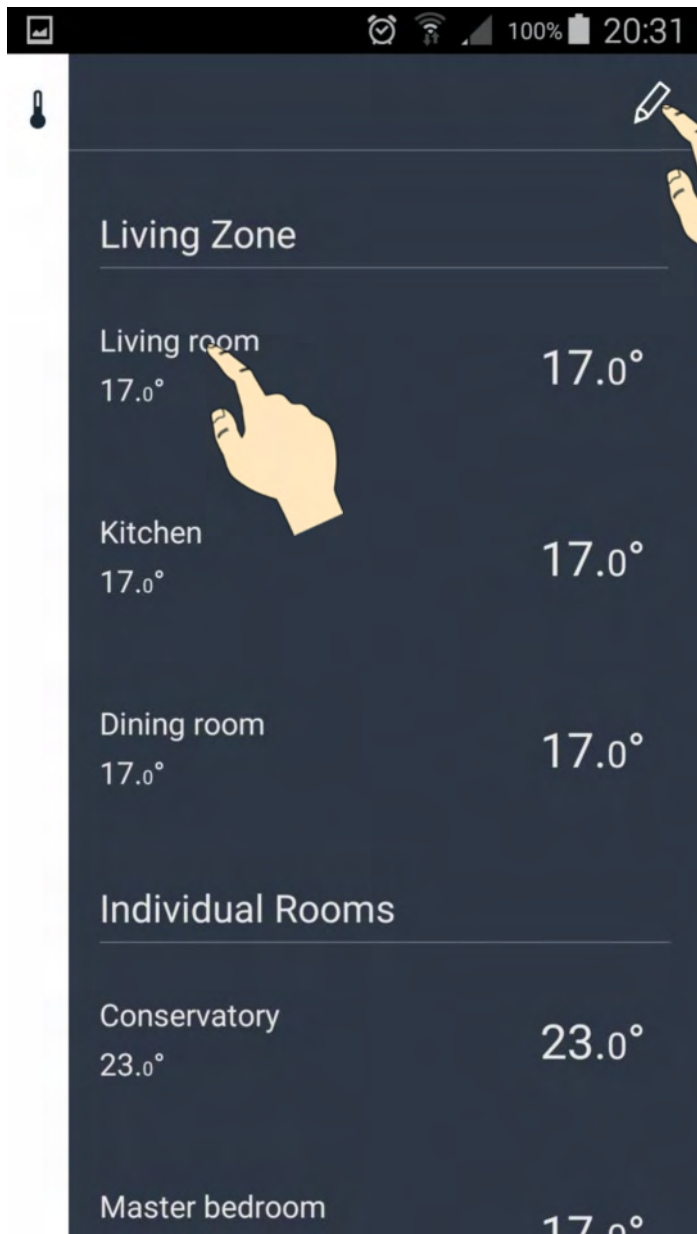
By installing and using the Application you agree that Danfoss may collect, use, register and store information concerning your heating requirements, user set-points, IP-addresses, software and hardware attributes, connection errors and user interaction. Such information is used by Danfoss to improve default settings and enhance the performance of the Application.



RIGHT ICON Operation Menu, p1



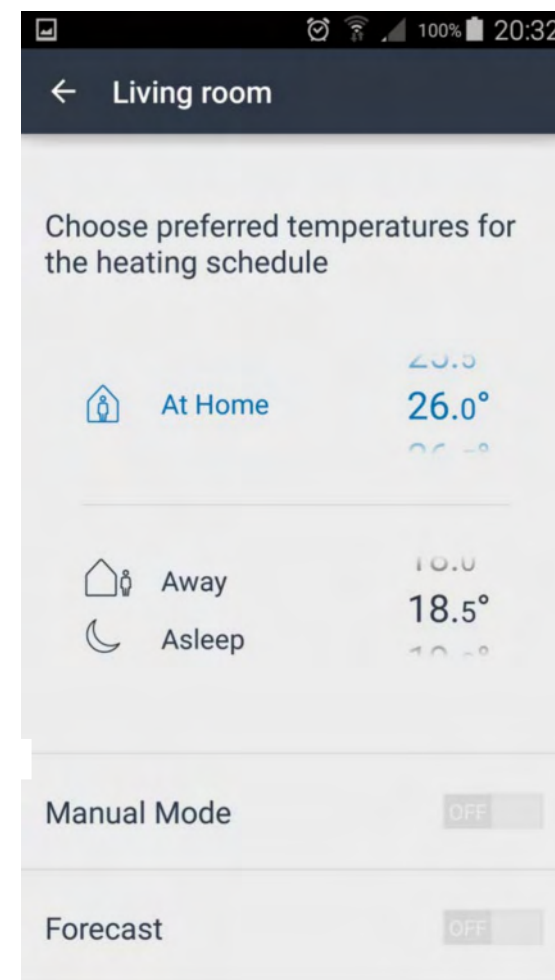
DEVI®



When tapped once, changes to

And temperatures can be adjusted up or down

When tapped, gives access To deeper level of settings

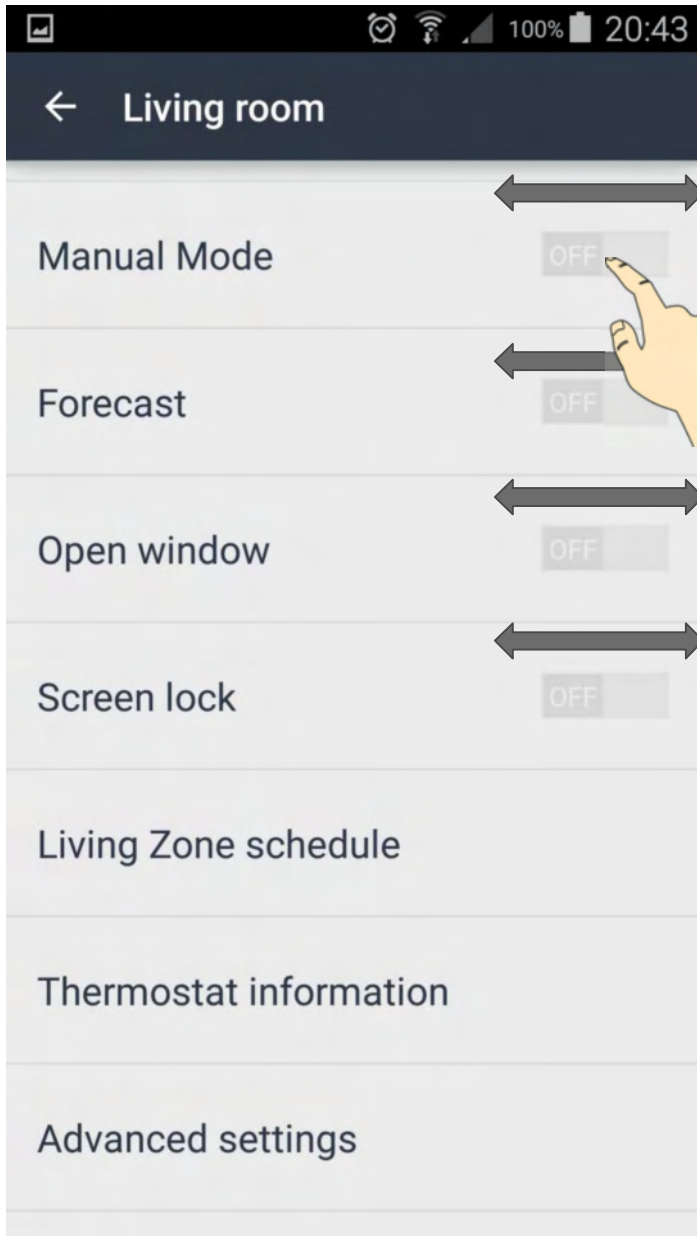


RIGHT ICON

Deeper level of settings, p2



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On / Off for Manual mode

On / Off for Forecast

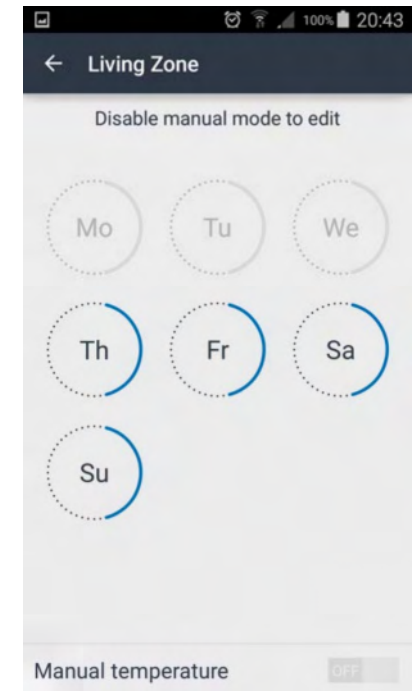
On / Off for Open Window Function

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

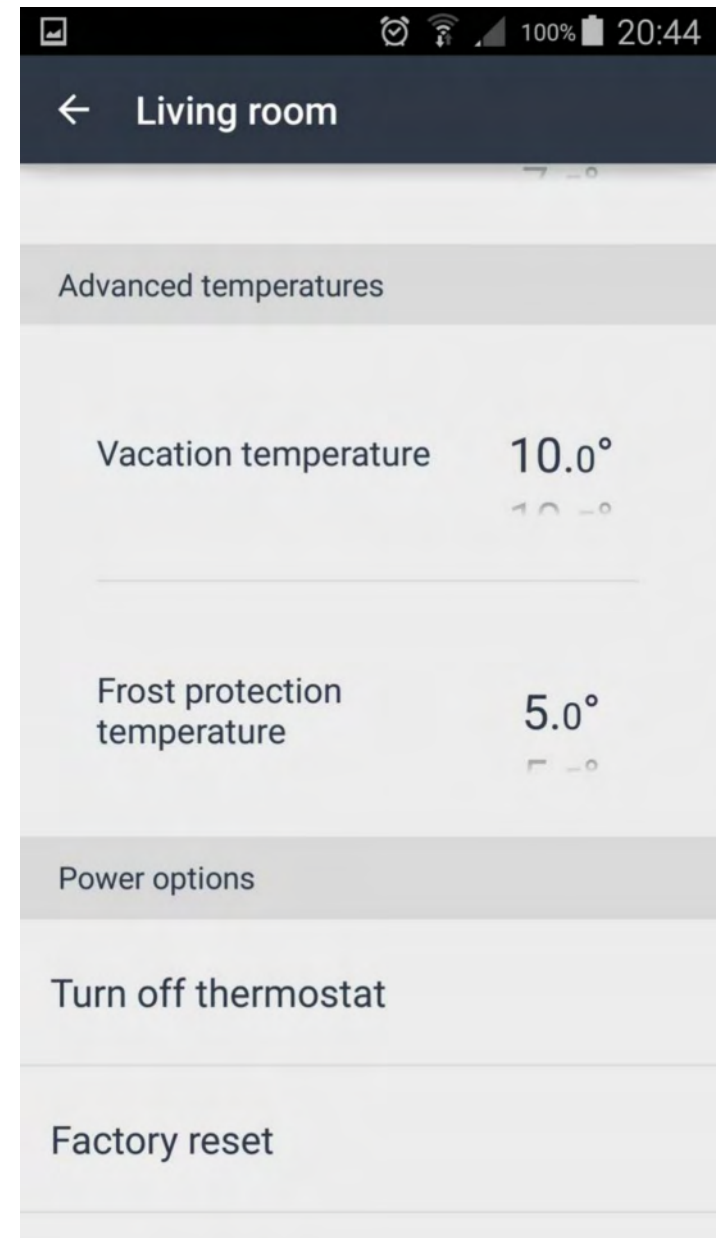
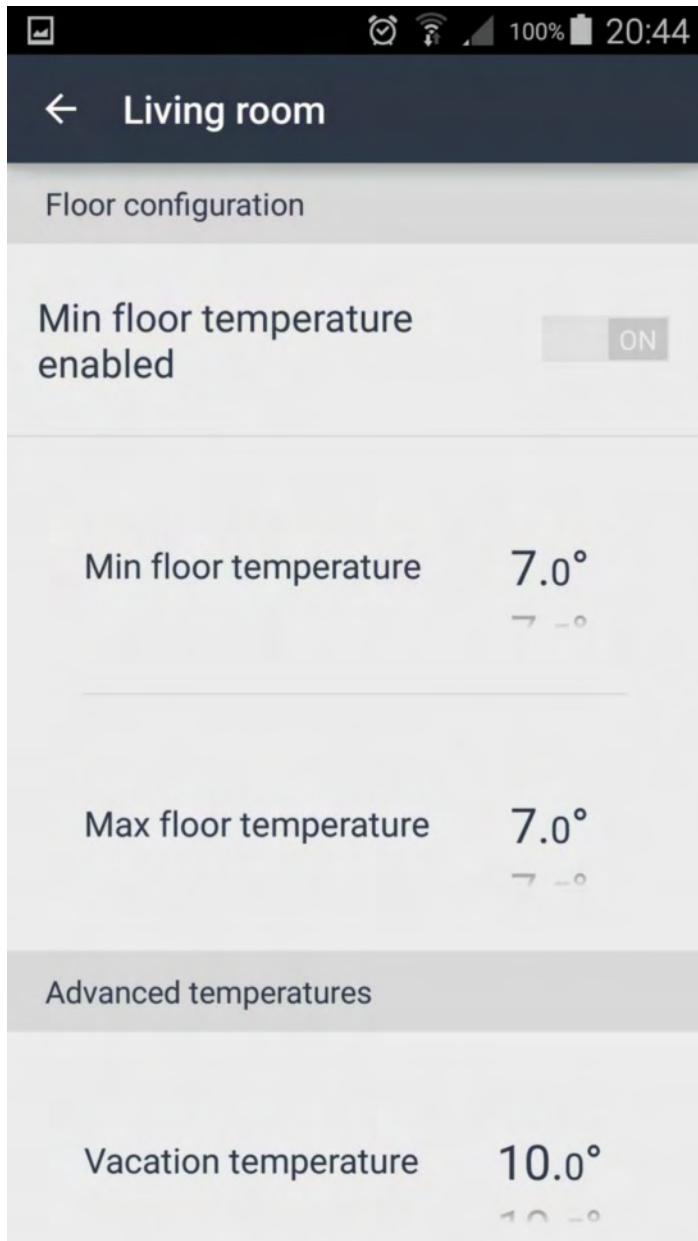


RIGHT ICON

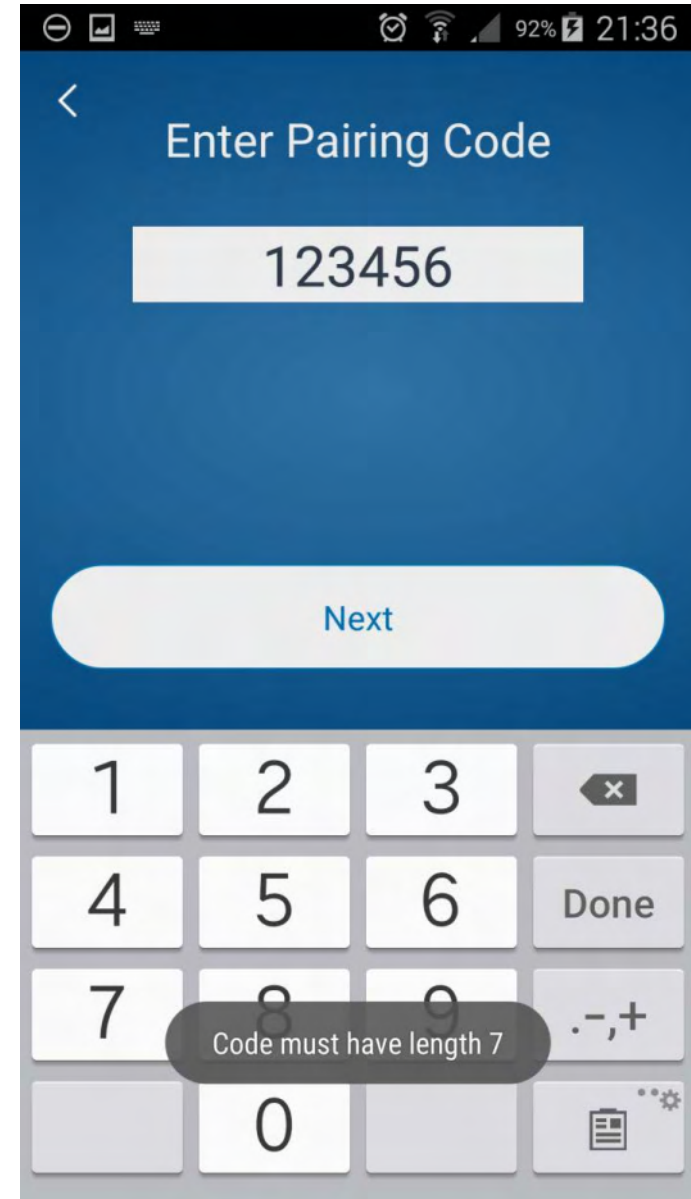
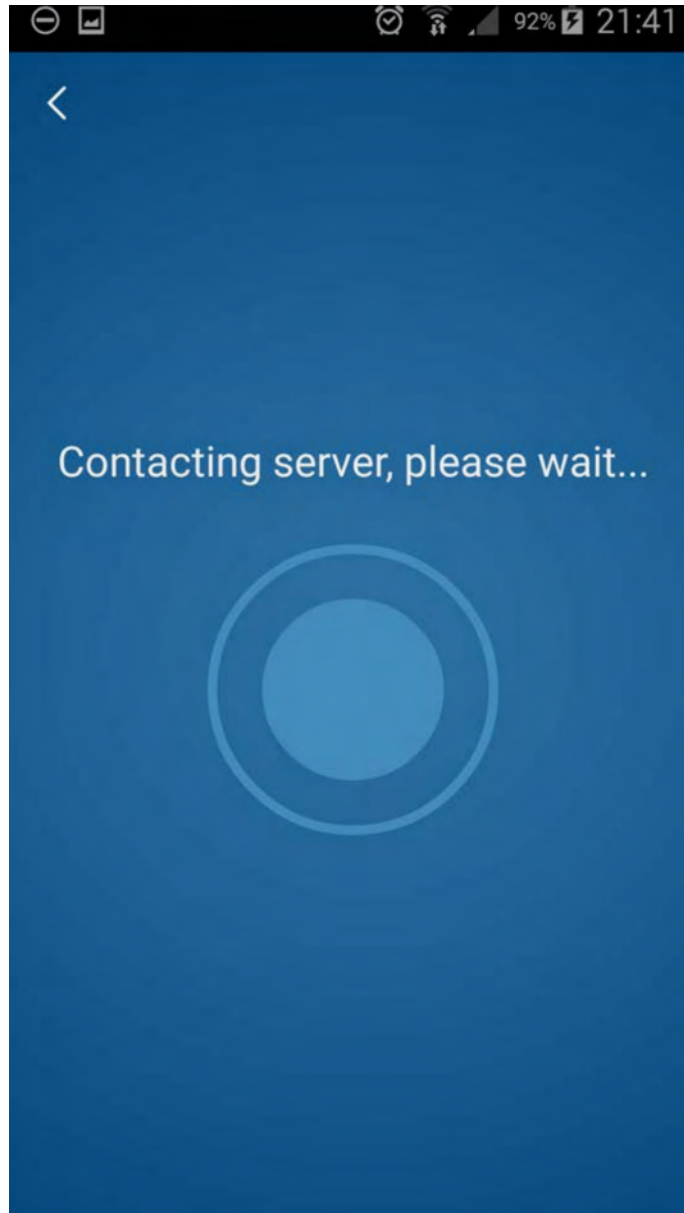
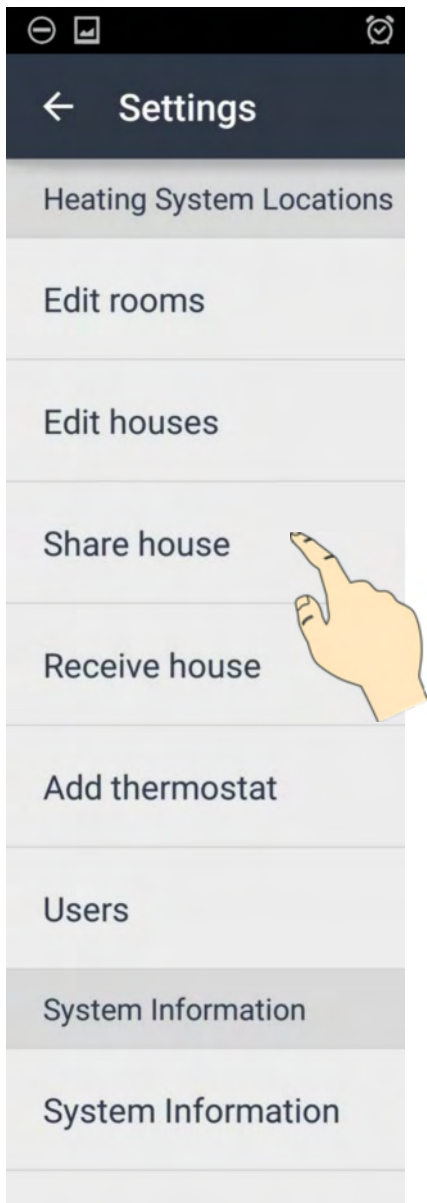
Advanced Settings, p3



DEVI[®]

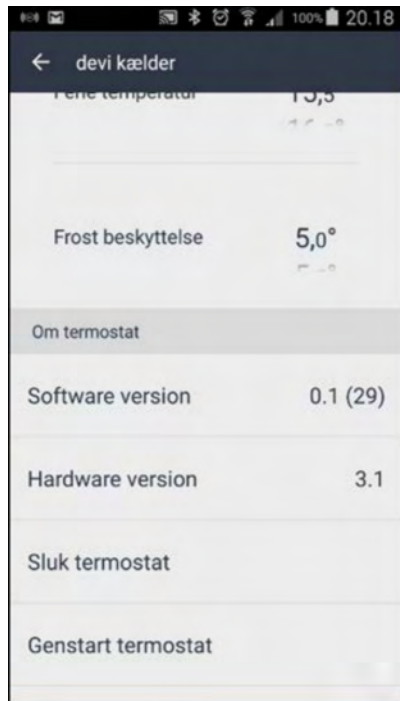


Receive a house



Additional information

Factory reset / restore



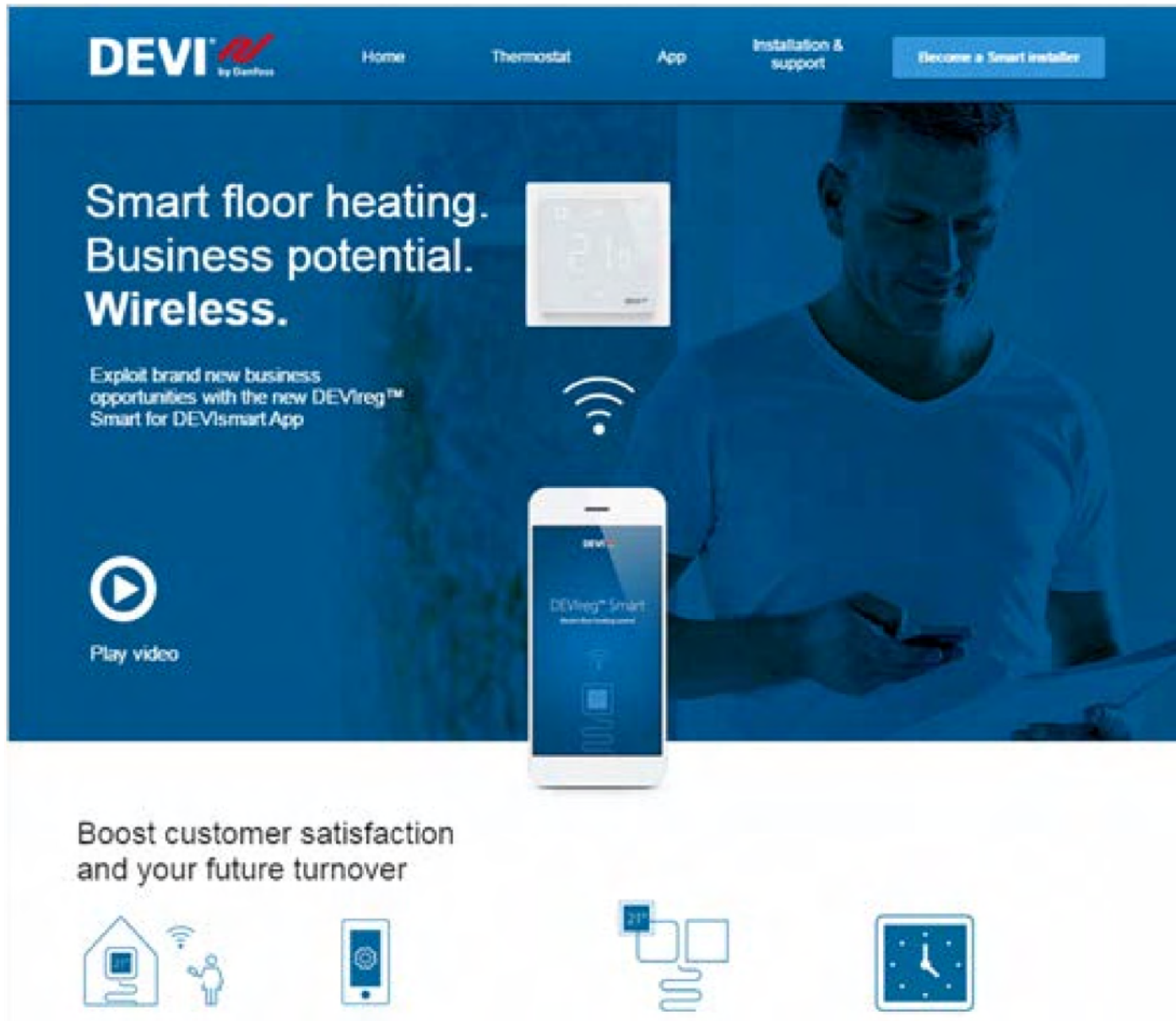
- To remove all paired smart devices and restore all factory parameters except:
 - Count turn heating relay on->off.
 - Relay on time – the time the relay has been in on state.
 - System runtime & resets.
 - Sum of power consumption for: 7 – 30 Days & total power consumption
- Push and hold: Up arrow [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




The banner features a dark blue background with a man in a white shirt looking at a smartphone. A white thermostat is shown with a Wi-Fi signal icon above it, and a white smartphone is shown below it with the DEVIreg Smart app interface. The text is white and blue.





DEVI  [Home](#) [Thermostat](#) [App](#) [Installation & support](#) [Become a Smart installer](#)

Smart floor heating. Business potential. Wireless.

Exploit brand new business opportunities with the new DEVIreg™ Smart for DEVIsmart App

 Play video

**Boost customer satisfaction
and your future turnover**

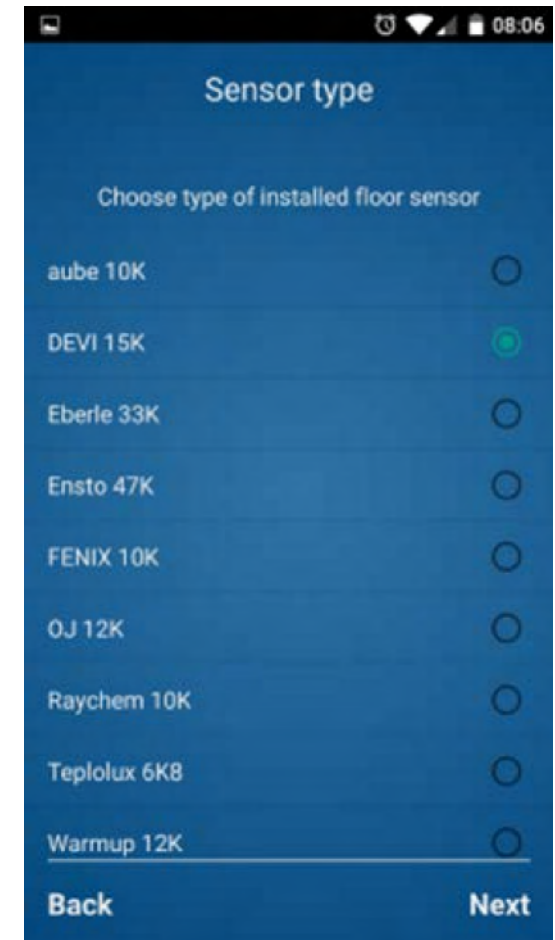
   



Commissioning

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.



When uncertain or when sensor is not listed?



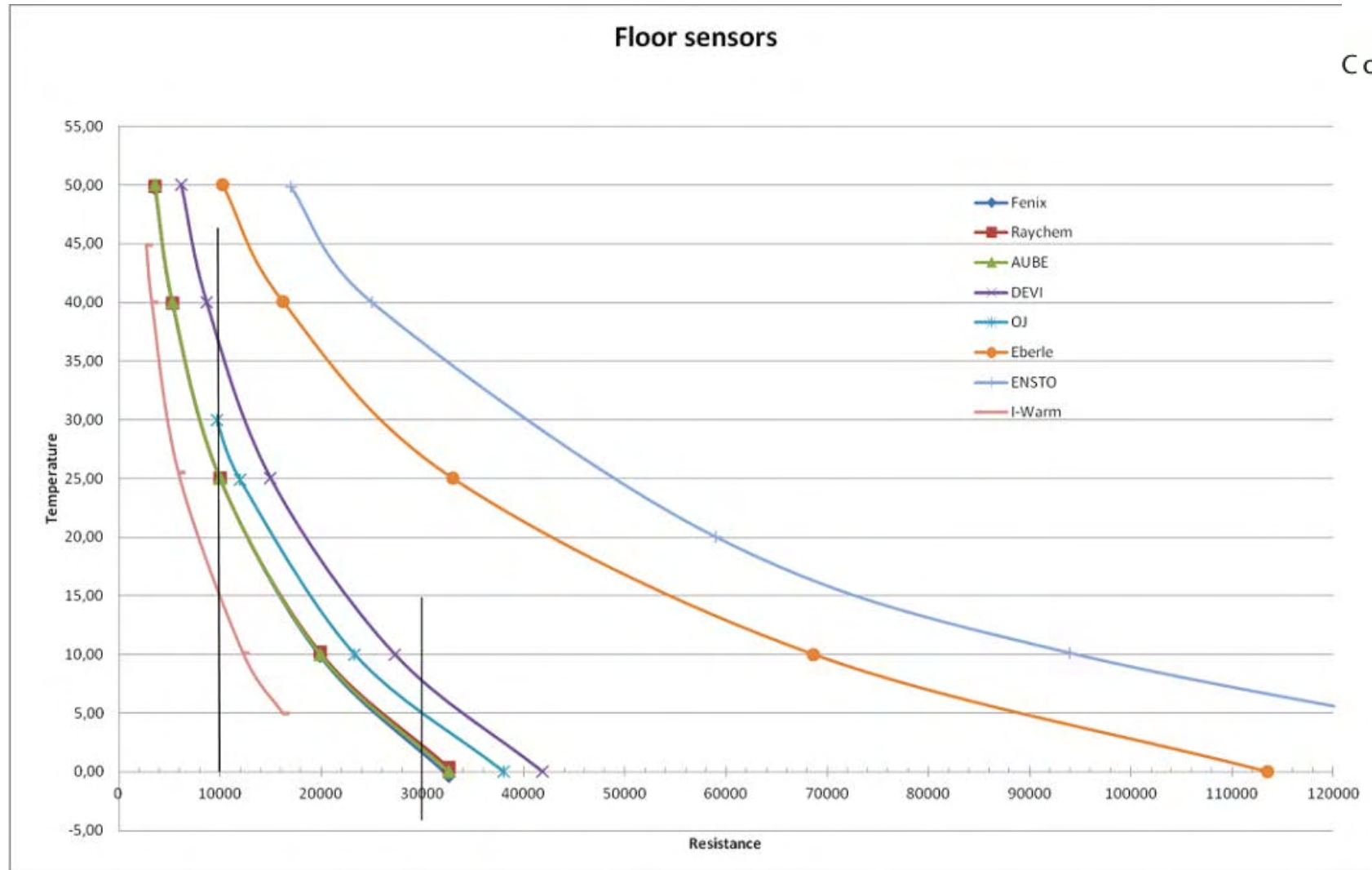
Commissioning

- Example
 - Measure the sensors resistance, e.g. shows: $\sim 22\text{k}\Omega$,
 - Installer estimates the floor temperature to be: $\sim 15^{\circ}\text{C}$
 - DEVI sensor would measure 17°C
 - Floor will physically be 2 degrees colder than set point displayed
 - OJ would measure 12°C
 - Floor will physically be 3 degrees warmer than set point displayed

Temperature Resistance curves



Commissioning



DEVIreg™ Smart Filed tests results



Contents:

FAQ
Wishes



- 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.**