

User guide

DEVI Control **App**



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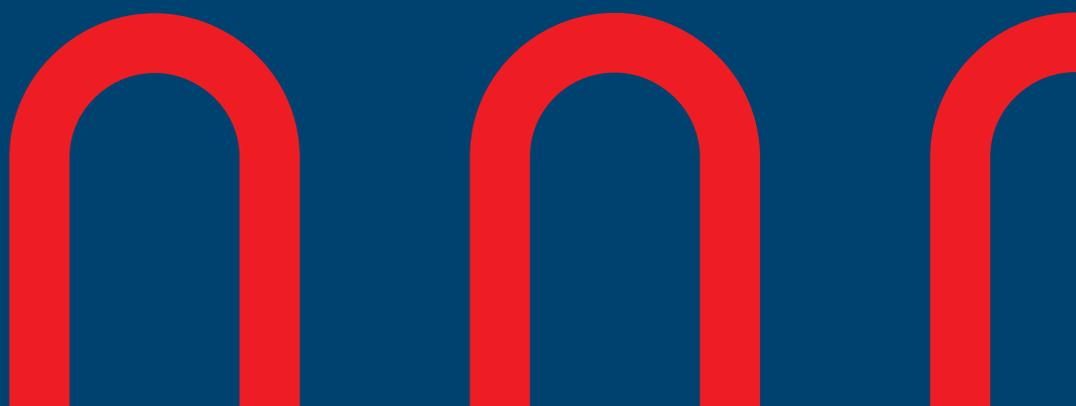


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1 Introduction

The application DEVI Control is for use with DEVIreg™ Basic and Room , the app allows you to enable many advanced features and unlock capabilities of the thermostat that would not be achievable without usage of the application.

Here is an excerpt of what can be done using the application:

- Home screen: room estimated temperature / floor temperature / Heating indication/ child lock indication
- Schedule setup: temperature /days/ time
- Manual temporary offset
- Manual mode
- Thermostat limits
- Default preset based on room and floor type selection: schedules/ temperatures/ times and limits
- Adaptive start based on self learning algorithm
- Lock settings and child lock
- Thermostat information pdf export allowing to track all important parameters etc. (during the installation)
- Help center with access to related materials from Salesforce
- Both Android and iPhone
- Support for 55x55 like frame systems.
- Simple knob operation for temp.control and features.
- Bluetooth connectivity on 2.4GHz frequency at a maximum power of 9,5dBm.
- Access to thermostat via App for settings for easy access, setup, or remote troubleshooting.

Among others, the thermostat has the following features:

- ECO design LOT20 compliance
- In App setup for specific flooring and room types.

Firmware update via DEVI Control App.

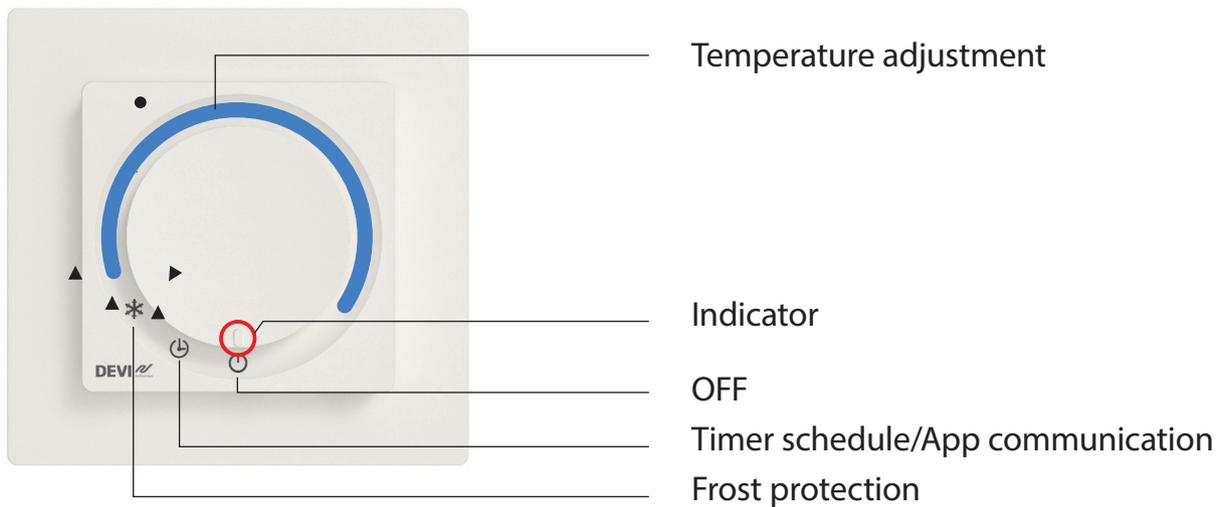
- Works out of box with default parameters as thermostat.

2 Settings

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2.1 Product interface

Product interface



* When knob is in temp adjustment mode the thermostat will not run the time schedule program.

Knob position	Description
OFF	 In this position the thermostat is not active.
Timer schedule/App communication	 In this position the thermostat is running in schedule mode. In this position the thermostat is ready for App configuration/modification.
Frost protection	 In this position the thermostat is operating in frost protection mode.
Temperature adjustment	By turning the knob clockwise the temperature will increase.

User interface/ daily use

On the thermostat the temperature can be directly adjusted using the knob/dial by setting the indicator on the wanted floor temperature, this will disregard any schedule, however, still adhere to any set

min/max limitations (can be set in the app).

The positions Frost protection, Timer schedule or OFF can be selected using the knob/dial.

Selecting the Frost protection

mode will see the thermostat ensure that the frost temperature is maintained, this value can be set between 4-14 °C (default 5°C) in the app.

Selecting the timer schedule / app communication mode

the device will be connectable in the DEVI control app, the communication is done via Bluetooth 4.2, herein temperatures, settings, schedule, limits and more can be set to the wanted level.

Selecting the OFF mode will disable the thermostat completely.

When the thermostat is in all

other positions than Timer schedule/App communication the app can only display limited information, in OFF the app and thermostat will be completely OFF and nothing will be indicated or communicated to the app.

To pair the thermostat with the app, place the thermostat in the App communication position and start the process

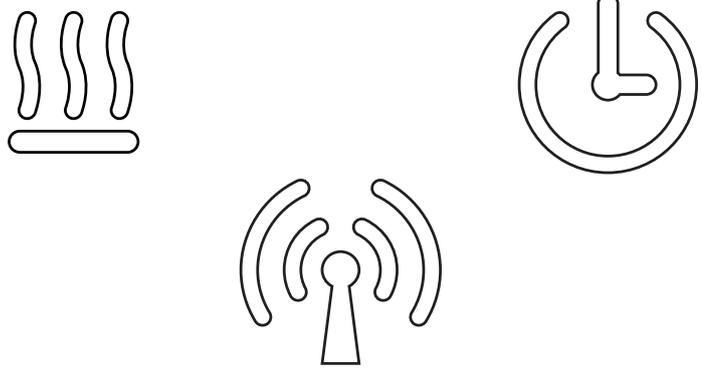
in the app , the device will blink with the communication indicator, after the app has initiated the communication with the thermostat, the user needs to turn the dial out to manual temperature setting and back into the App communication position, this is to validate with what thermostat the paring is wanted.

2.2 Indicators

The indicators are shine through and are within the knob of the product, these will light up when needed.

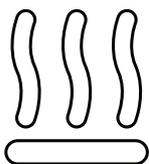
All indicators fade out after a duration (default 20 seconds) unless an error is present.

Additionally, indicators will “wake up” upon manual interaction with the thermostat, heating state change, schedule event, app connection or errors/warnings appearing.



Indicators (inside the knob)

Heat indicator



This indicator lights up and turns **red** when the thermostat switches **on** and delivers current to the electric heating element.

After some seconds the indicator fades out.

This indicator lights up and turns **green** when the thermostat is powered and OK. After some seconds the indicator fades out.

The indicator flashes **red** when an error is present, this will persist until error is alleviated, heating will not be activated/activatable.

Data communication



This indicator flashes **white** when initiating data communication between the thermostat and communication device unit.

- The indicator flashes in part of the pairing process
- The indicator is constant lightning **white** when communication between the thermostat and communication device is present.

The indicator turns off when communication stops.

Schedule



This indicator lights up **white** when the build in schedule changes from Non active to active and vice versa. After some seconds, the indicator fades out.

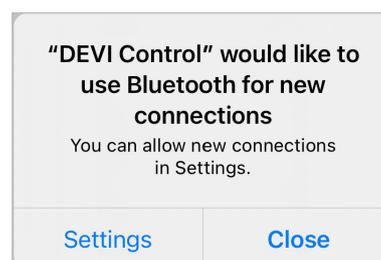
- The indicator flashes in part of the pairing process.
 - This indicator flashes **white** when there are warnings. The warning will be present until App communication is activated, however the indicator will only flash for a duration (default 20 seconds). Warnings will be displayed in the App.
-

3 First Connection

Download the DEVI Control™ app from App Store or Google Play.



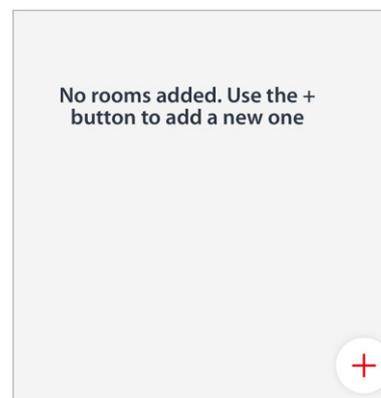
Launch the app. and press **OK** to a Bluetooth connection.



Your Bluetooth should be **ON**. Then press **Allow New Connections**.



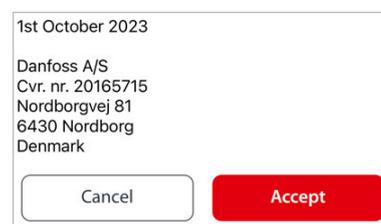
Open the App on your phone and press "+" button to add a new thermostat. Add a new thermostat by pressing "+" button.



Choose a type of your thermostat.



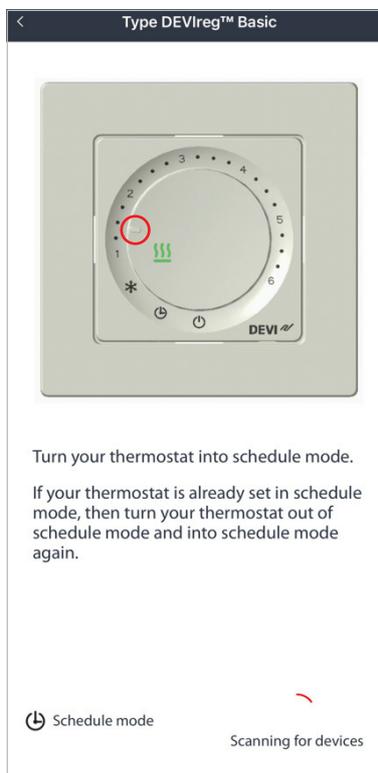
Scroll down and press **Accept** for a License Agreement.



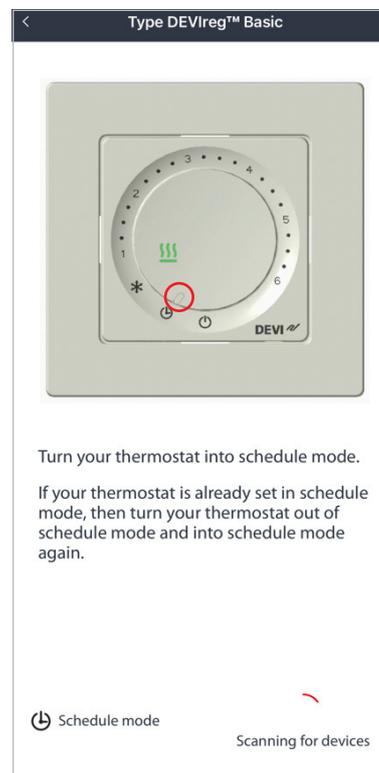
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To pair your smartphone with the thermostat.

Turn the knob to the schedule icon. If the knob already was on the schedule, you still should move the knob up, wait 1-2 seconds and return it to the schedule icon.



Pic. 1 Move the knob up, wait 1-2 sec

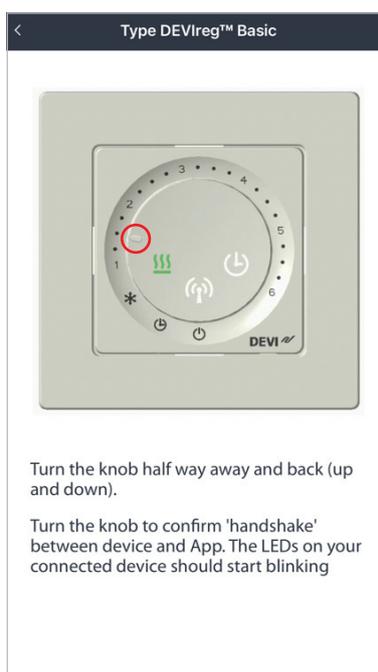


Pic. 2 Return the knob to the schedule icon

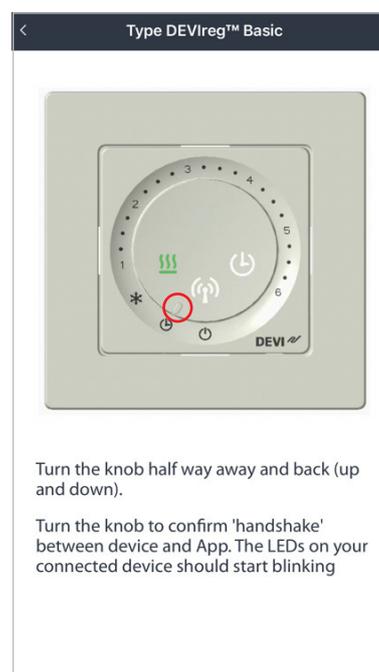
Wait till the circle becomes fully red to finish the scanning process.



To confirm the pairing turn the knob onto the dial, wait for 1-2 seconds and return to the schedule icon.



Pic. 1 Move the knob up, wait 1-2 sec



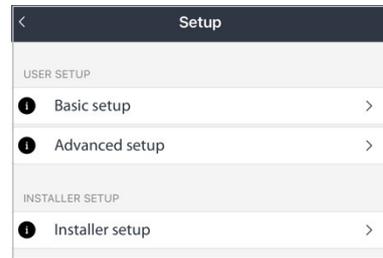
Pic. 2 Return the knob to the schedule icon

Then we have several options:

Option 1 – **Basic setup**;

Option 2 – **Advanced setup**;

Option 3 – **Installer setup**.

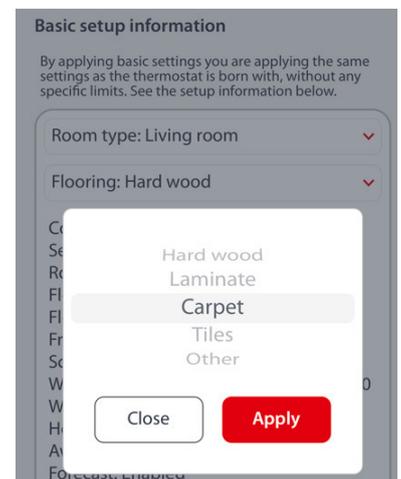
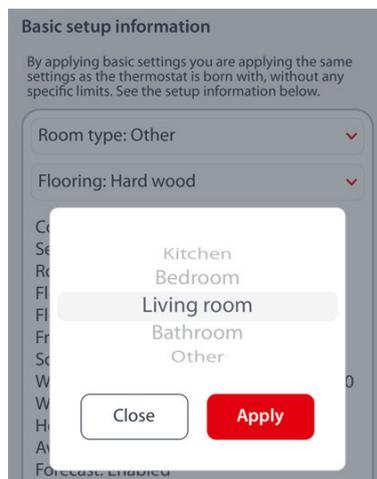


If you are certified installer you are able to adjust **Installer setup**. This allows for settings that might, if set wrongly damage floorings, heating elements or other properties.

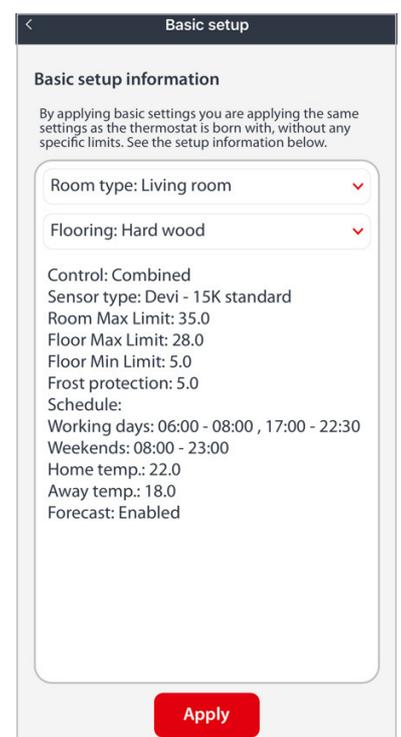
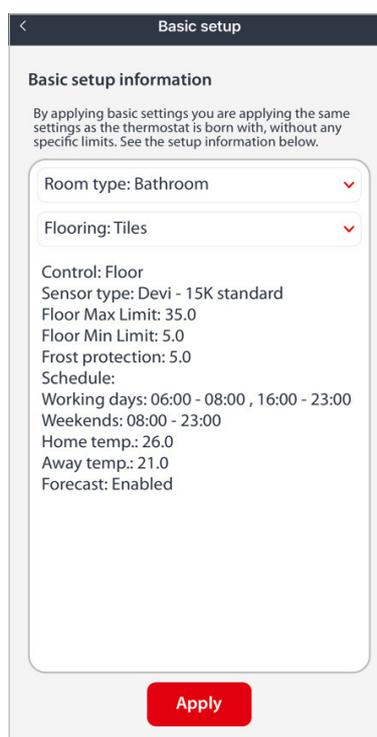
3.1 Basic setup

For the **Basic setup** you need to select just 2 things.

Select the Room type, Flooring and press **Apply** for both.



There after the settings that will be set into the thermostat is presented, press **Apply** to name the thermostat and finalize the **Basic setup**.



Pic. 1 DEVIreg™ Basic

Pic. 2 DEVIreg™ Room

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3.2 Advanced setup

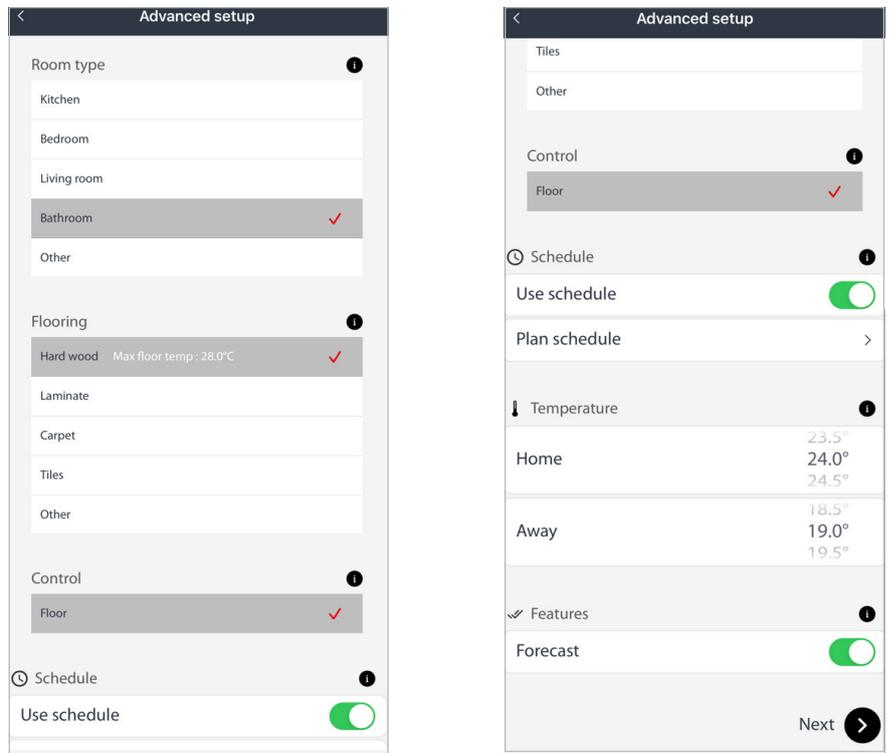
In the **Advanced setup** the following settings can be adapted:

- Room type
- Flooring
- Control type Floor or Combined.

Floor means we can control the room only by the floor temperature.

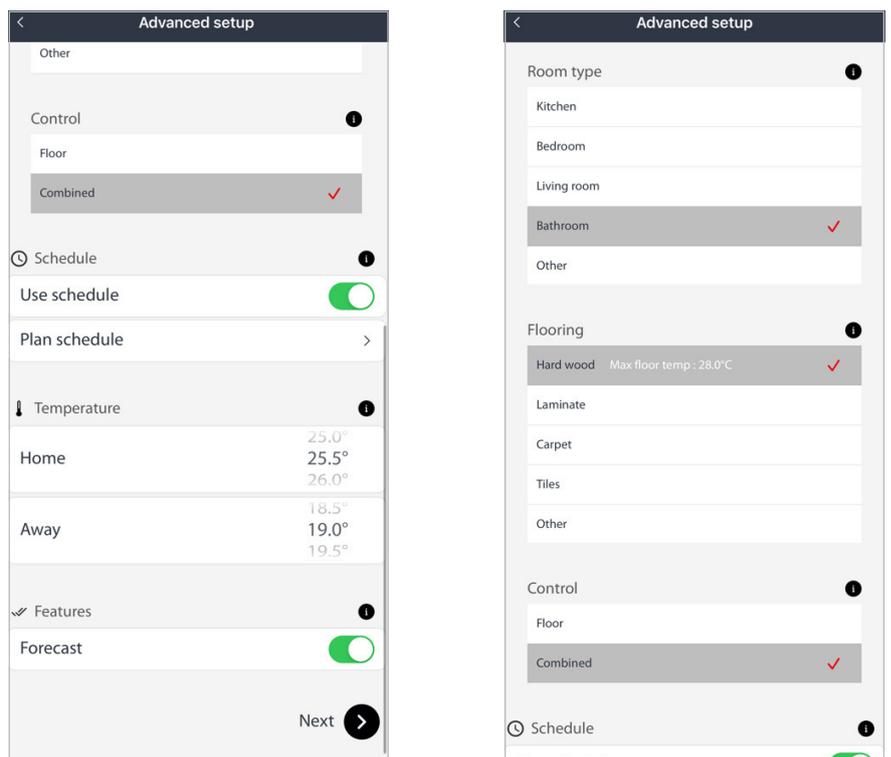
Combined means we can control the room by air and floor temperature. (available only for **DEVIreg™ Room**)

- Schedule
- Temperatures
- Forecast



Pic. 1 DEVIreg™ Basic

Then press the **Next** button to name the thermostat and finish the **Advanced setup**.

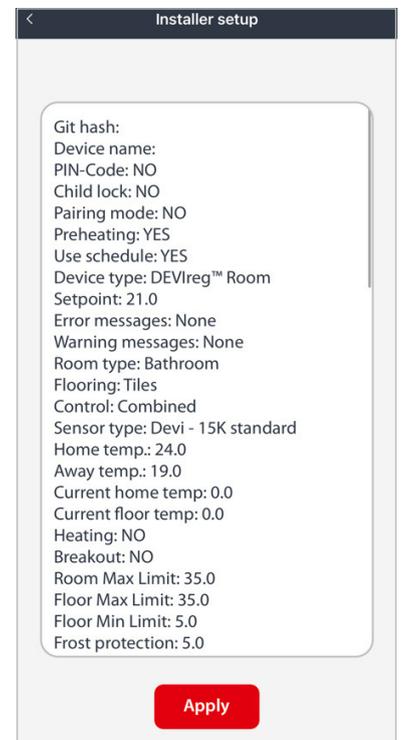
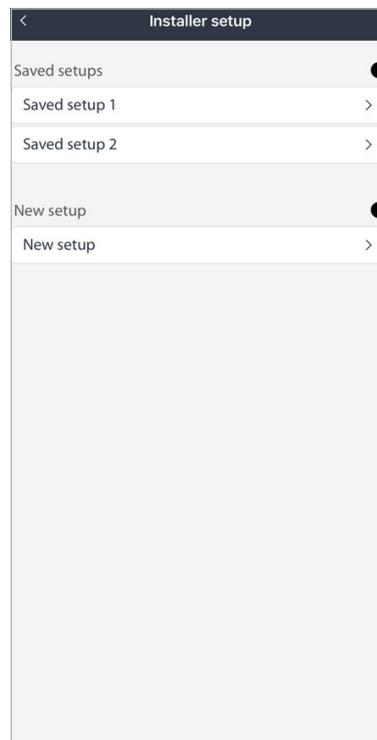


Pic. 2 DEVIreg™ Room

3.3 Installer setup

In the Installer Setup we could select **Saved setup**. This will help to make a quick setup for many same thermostats, then we press **Apply** to finish the **Installer setup**.

If you don't want to use the **Saved setup**, press the **New setup** instead.



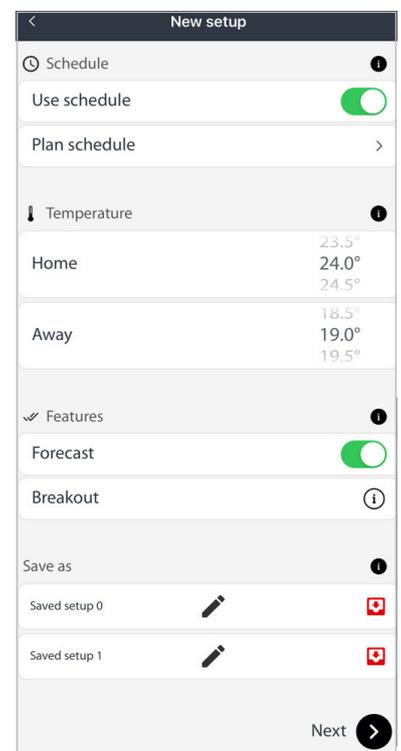
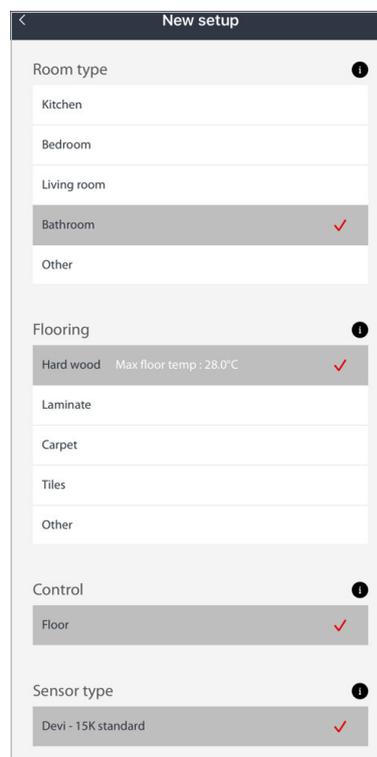
In the **New setup** we could select:

- Room type
- Flooring
- Control type Floor or Combined.
- Floor means we can control the room only by the floor temperature.

Combined means we can control the room by air and floor temperature. (available only for **DEVIreg™ Room**)

Sensor setup (available only for **DEVIreg™ Room**).

For the **DEVIreg™ Basic** it could be only 1 type of the floor sensor.

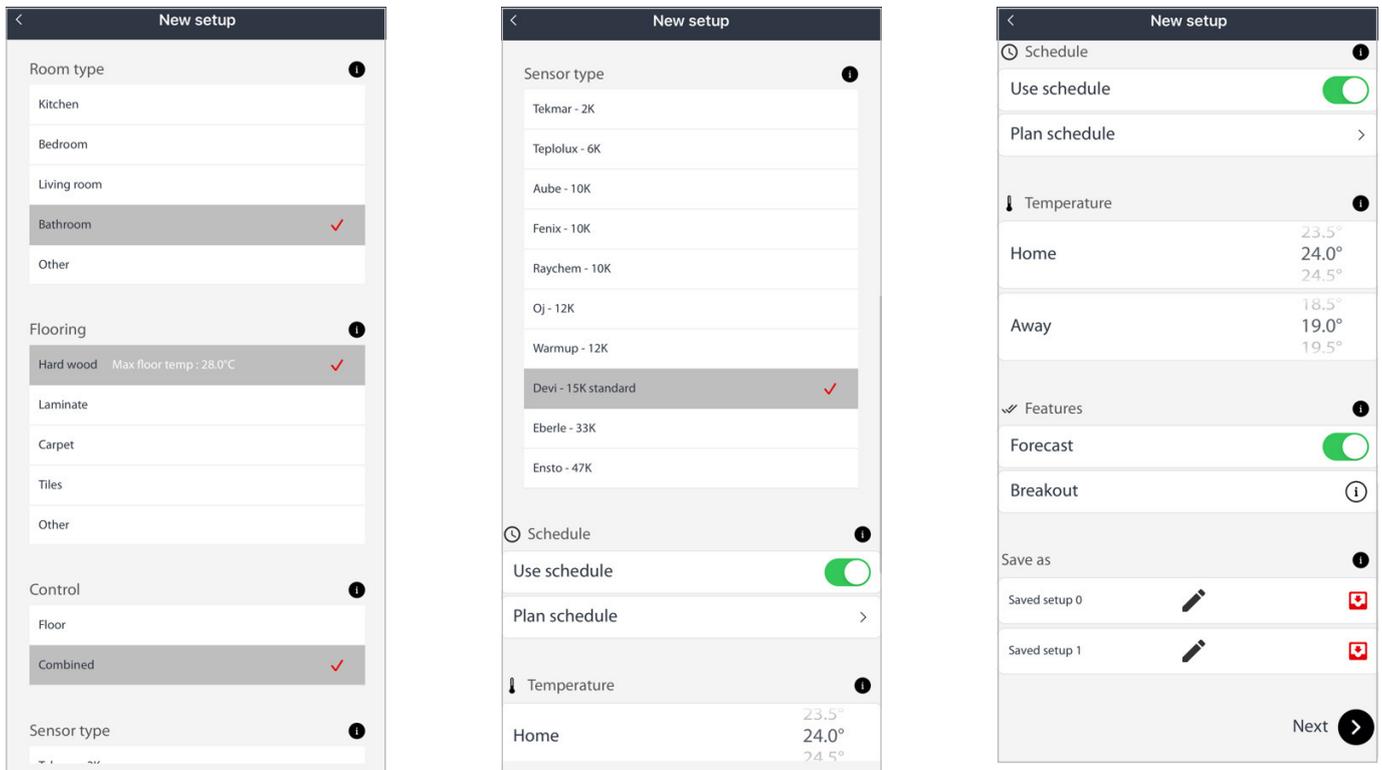


Pic. 1 DEVIreg™ Basic

- Schedule
- Temperatures
- Forecast

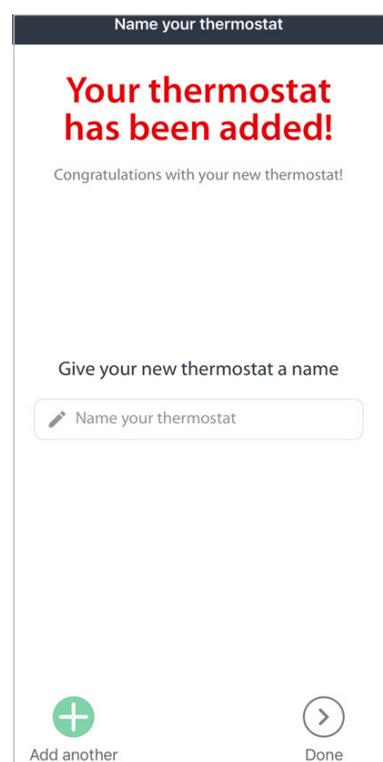
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You can **Saved setup** and use it in the future for a quick setup. You can create max. 2 **Saved setup**. Then press the **Next** button to finish the **Installer setup**.



Pic. 2 DEVIreg™ Room

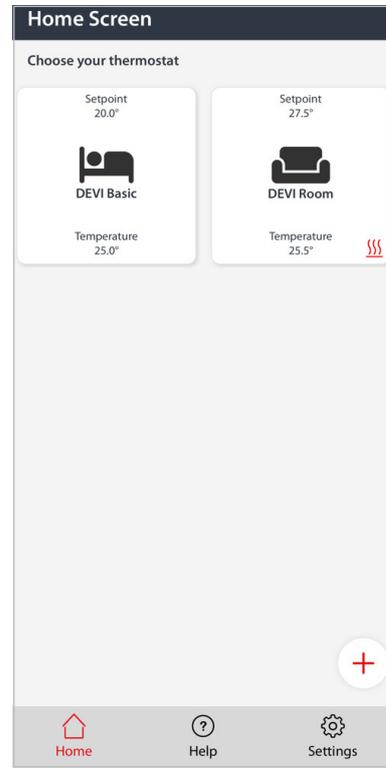
Name your device and then you can press “+” to add multiple thermostats or press **Done** to finish the current setup.



4 Home screen

On the **Home screen** we can see the current setpoint, current temperature and does the heating is ON.

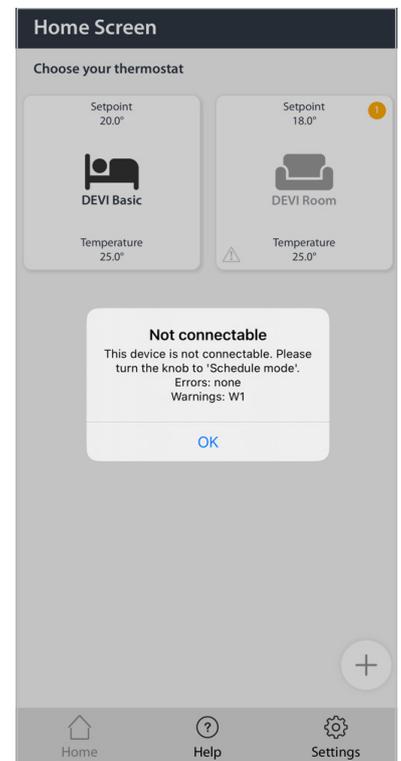
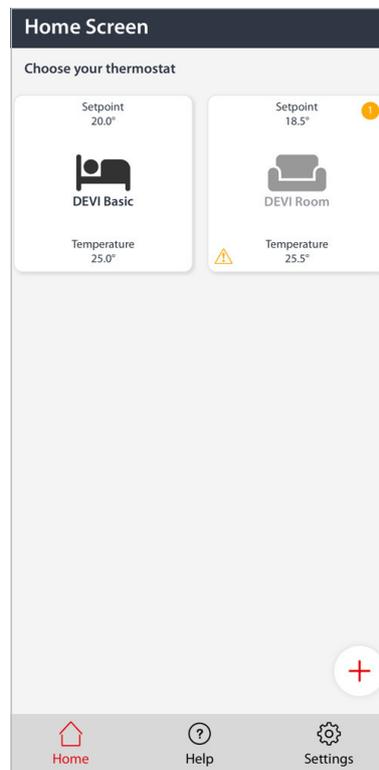
Press “+” for adding multiple thermostats.



While turning the knob out of the Schedule mode we can still see the setpoint but the room icon becomes grey. Which means the thermostat is out of range or isn't available.

Also, you can see the notification why it's grey.

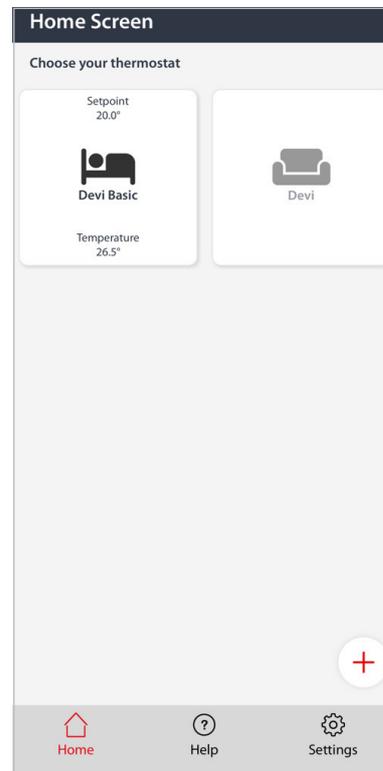
If we turn the knob back to the Schedule, the screen becomes colorful again.



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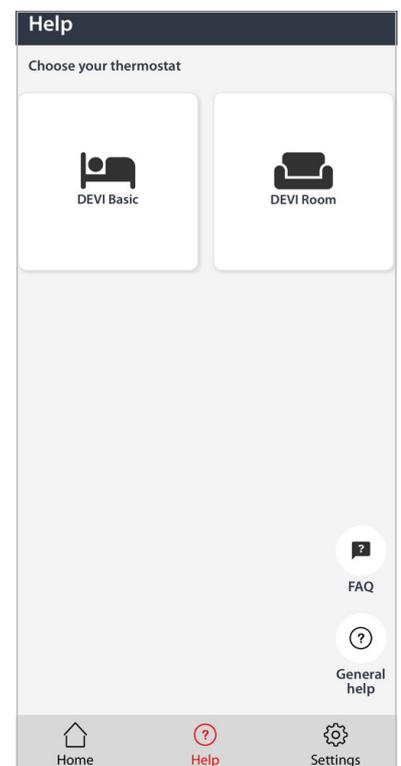
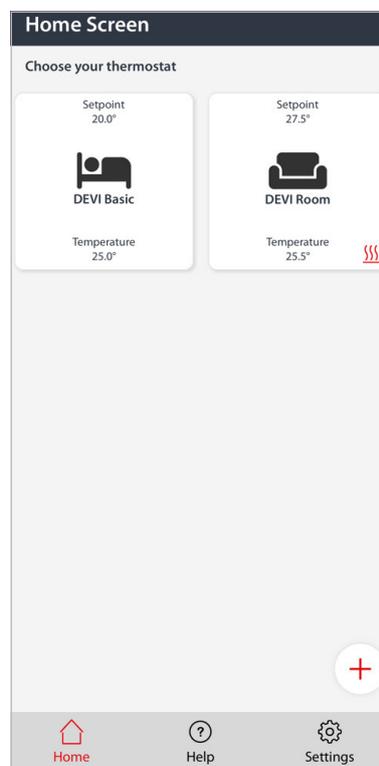
There is no limit to multiple users, but only 1 user can be connected at the same time to the thermostat settings.

While another user is connected, the room icon becomes grey and you don't see any temperatures.

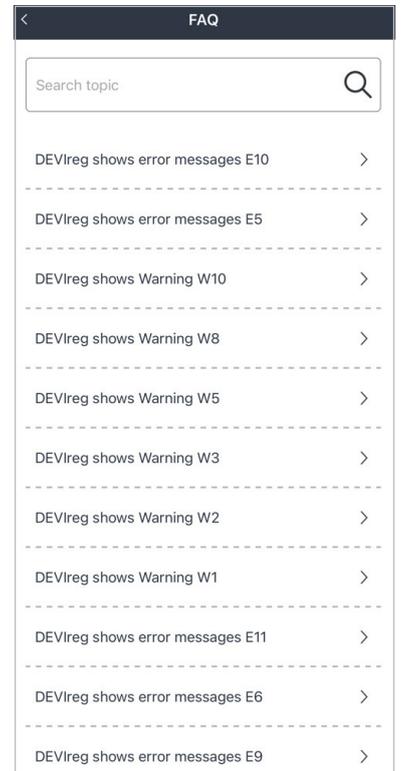


On the **Home screen** you can see the **Help** button.

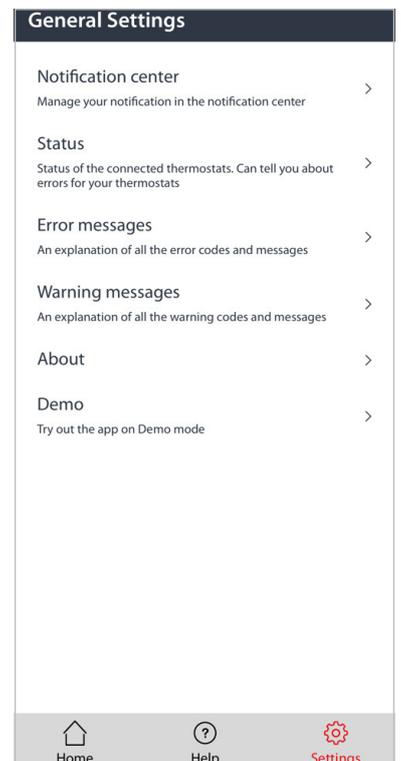
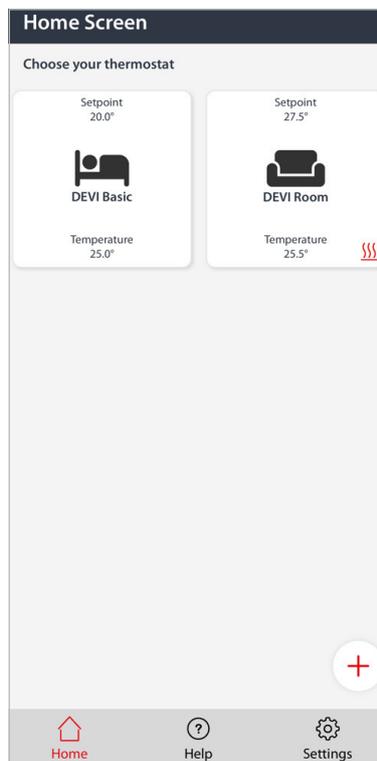
There you can find the **General help** and FAQ buttons.



In the **FAQ** you can find the descriptions of error messages and Warnings and some videos in the **General help**.

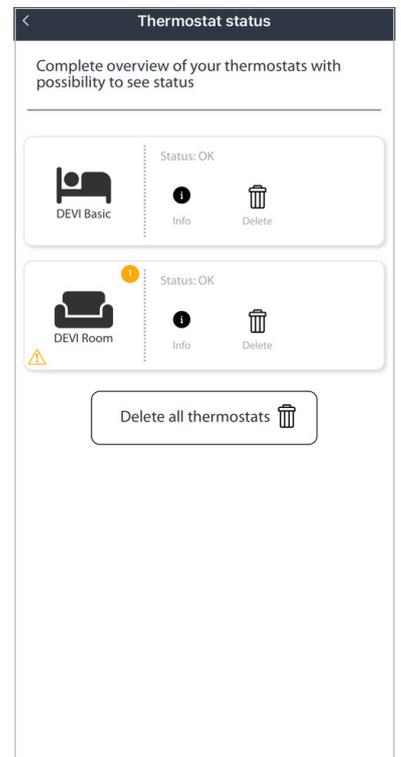
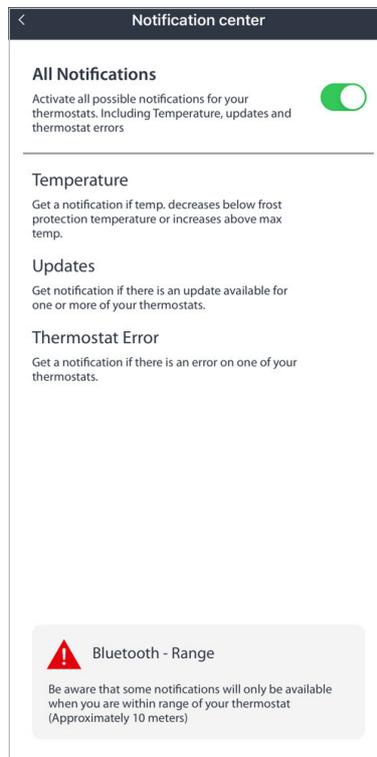


If you press the **Settings** button on the **Home screen**, you can see the **General settings**.



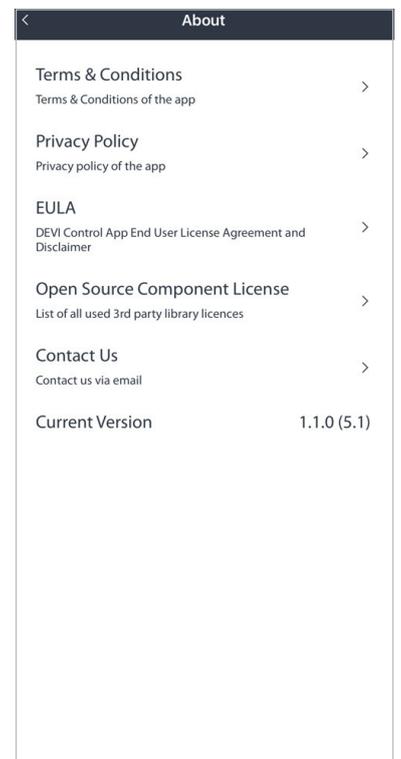
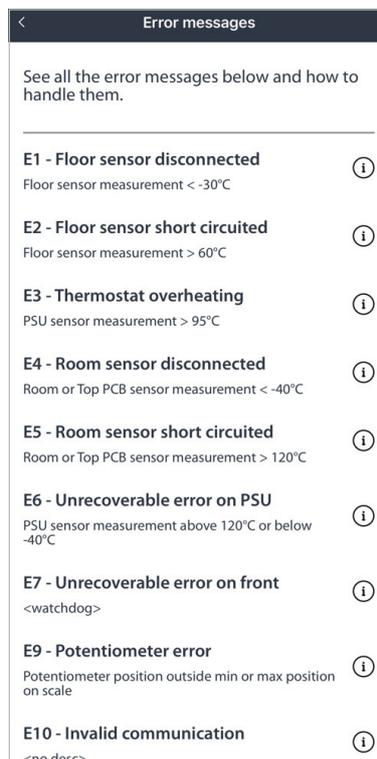
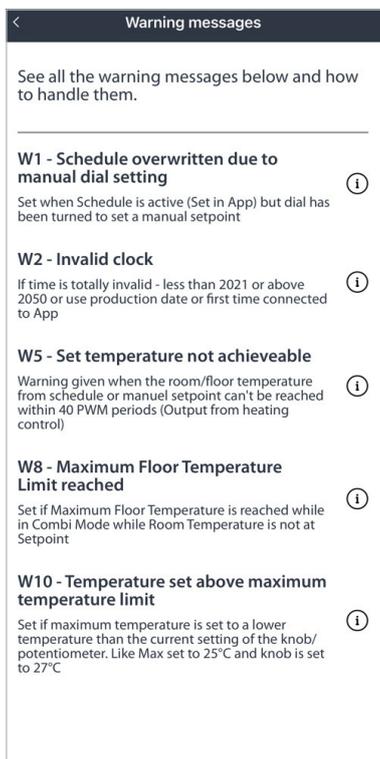
Notification center, where you can turn ON/OFF all notifications.

Thermostat status where you can overview your thermostats.



Description of Warning and Error messages.

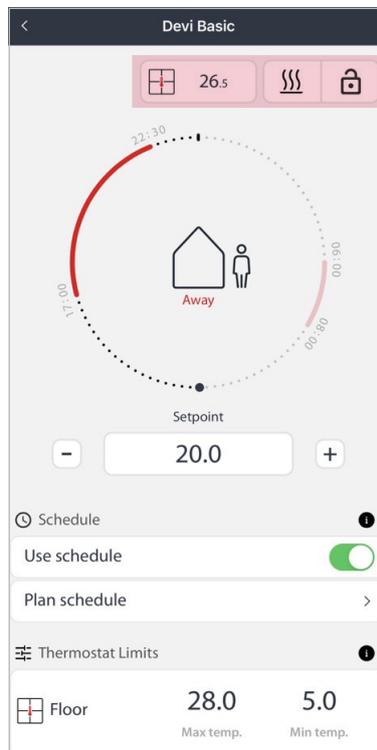
About info where you can write an email to get an answer regarding the thermostat or send feedback. Also you can see the current App version.



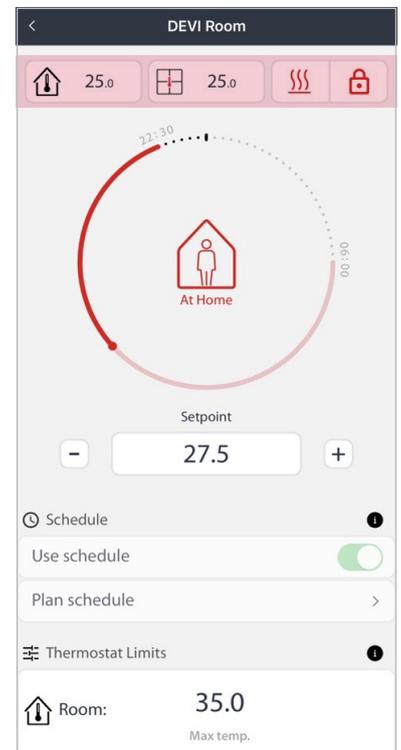
5 Main menu

Inside the Main menu you can see

- Room temperature (available only for **DEVlreg™ Room**)
- Floor temperature
- Heating indicator
- Lock indicator



Pic. 1 DEVIreg™ Basic

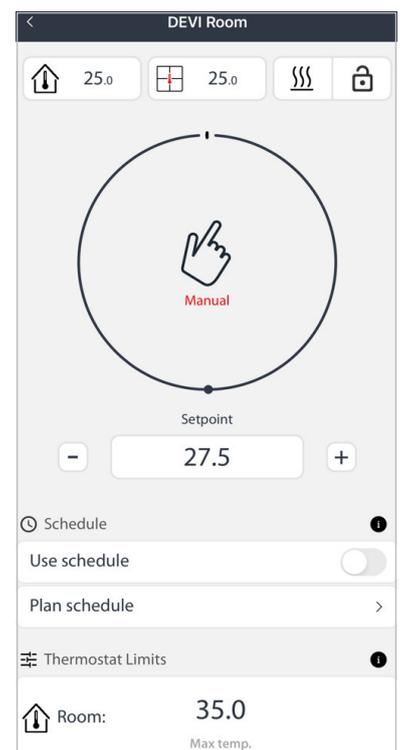
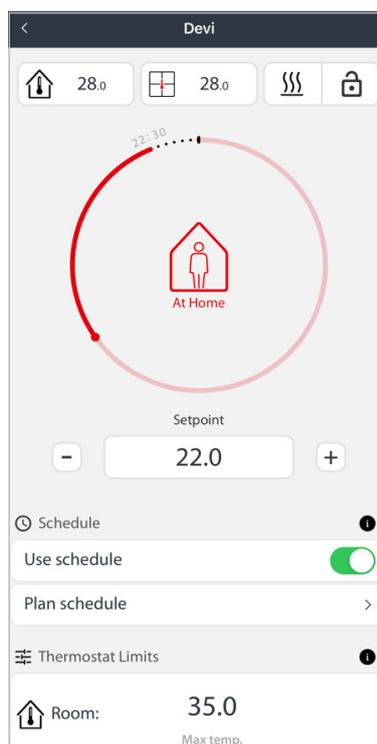


Pic. 2 DEVIreg™ Room

5.1 Application schedule mode

Planning schedule is done by either clicking on **24h clock** or clicking the **Plan schedule** button.

You can turn off the schedule and switch the thermostat to manual mode, in this case, you see the hand on **24h clock**.

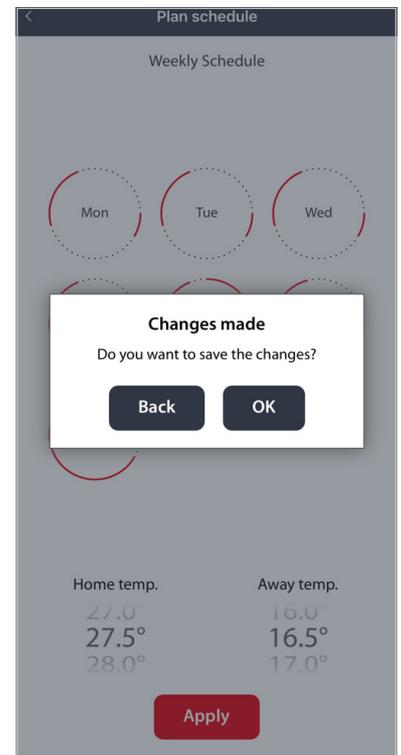
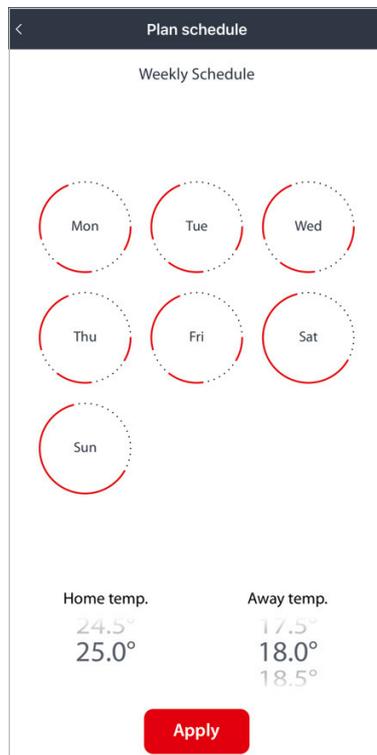


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In the Plan schedule the weekly heating schedule can be set up.

On the same page, you can change the **Home** and **Away** temperatures.

You can press **Apply** to confirm it or press **OK** while you go back to the main menu.

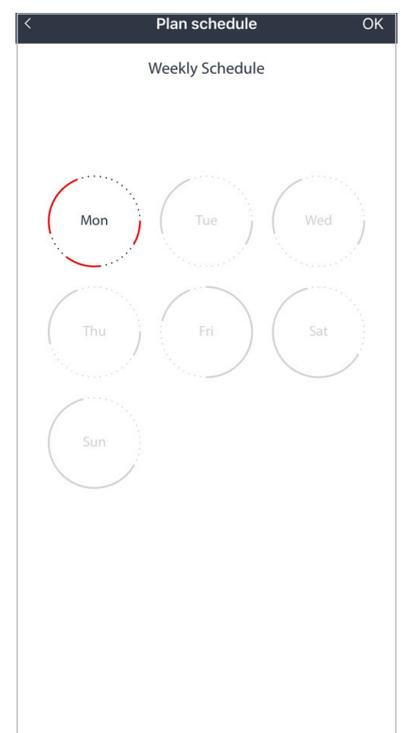
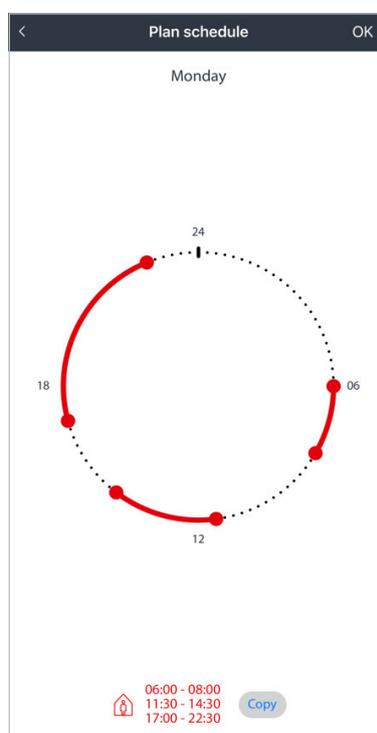


Desired Home temperature (time when the higher temperature is desired by user), can be seen as "red marked" times (on the 24 hours watch face).

Change settings by: touching and dragging the larger red points.

If the red points overlap, they equalize each other. That way a heating period can be removed.

The regulation is for each 00:30 min.



The minimum time of 1 heating period is 01:00 hour. You can set a maximum 3 heating period for each day of the week.

The same schedule can be copied to other days. Tap "Copy" button and choose the days, to copy the same schedule too. Confirm the action by "OK" in the upper right corner.

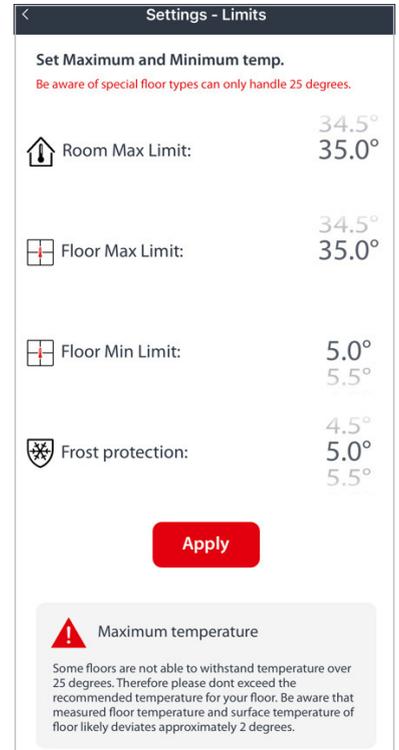
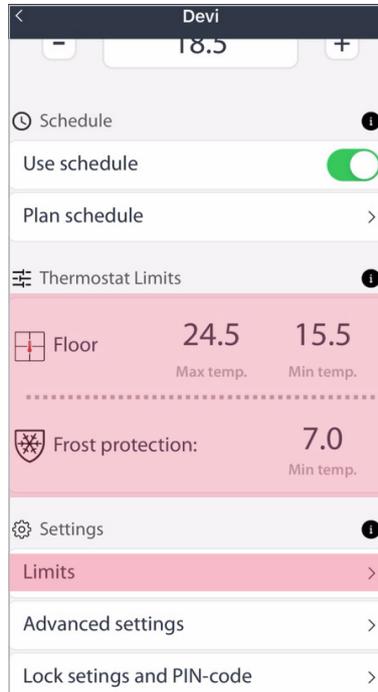
5.2 Temperature limits

You can change the temperature limits by clicking on the temperature bar below the **24h clock** or tap on **Limits**.

Be aware that different floor surfaces have different floor limits of temperature.

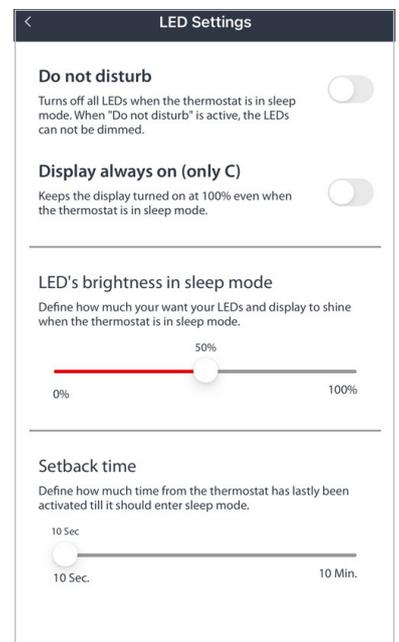
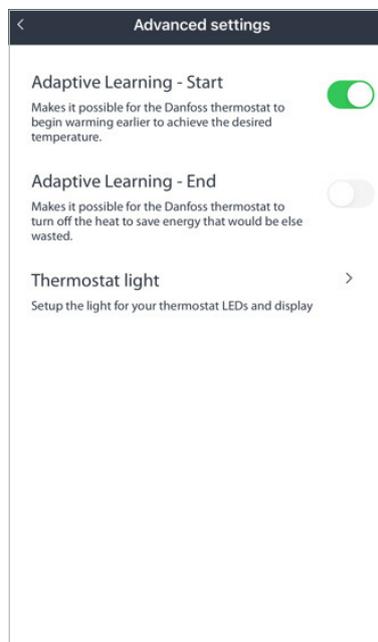
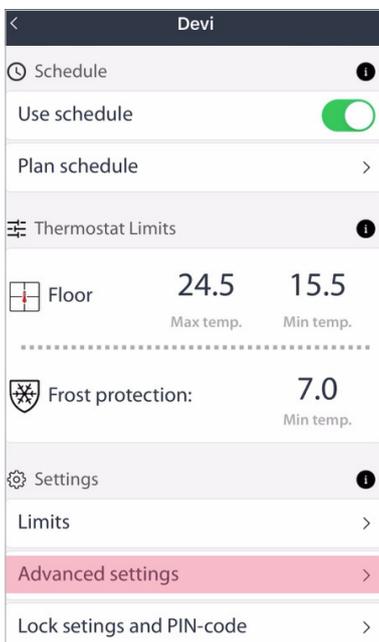
Ensure that the high floor temperature is set in accordance with the floor manufacturer's specifications.

To confirm your adjustments, press on **Apply** button.



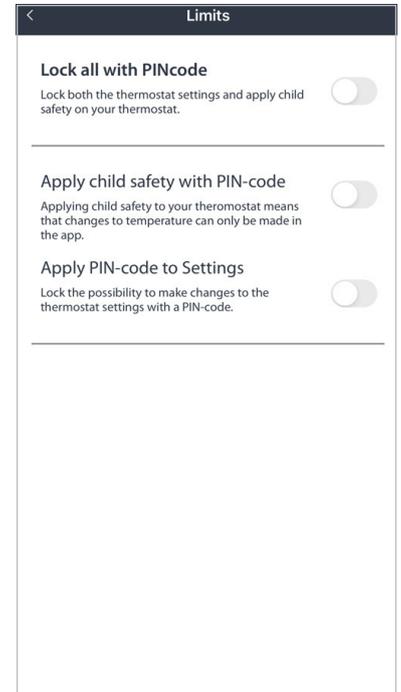
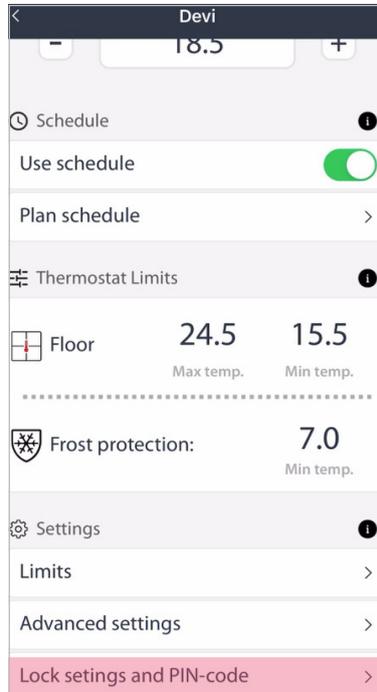
5.3 Advanced settings:

- **Adaptive learning-Start:** thermostat begin warming earlier to achieve the desired temperature in time.
- **Adaptive learning – End:** turn off the heat to save energy that would be else wasted.
- **Thermostat light:** here you can off all LED's when the thermostat is in sleep, change the LED's brightness in sleep mode or set the time when the display should enter in sleep mode after the last activation.



5.4 Lock settings and PIN-code

You can apply child lock to the temperature change, settings changes or apply the child lock for both.



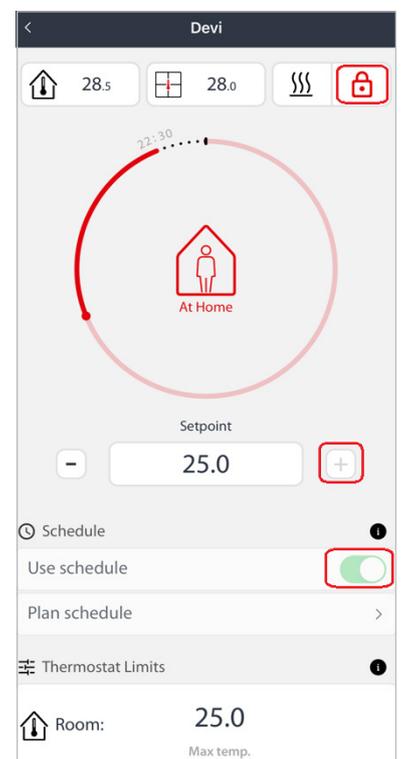
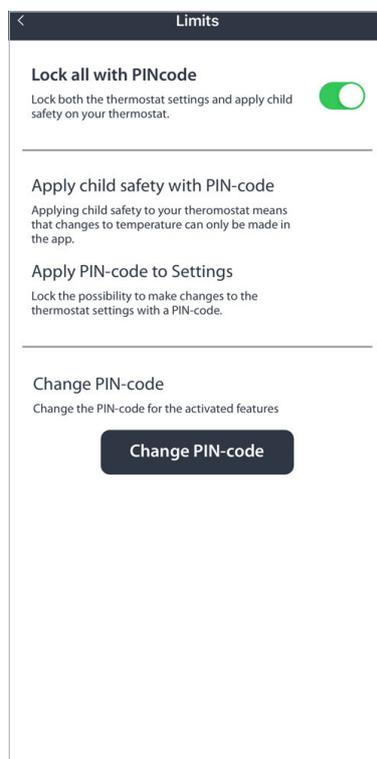
For the default **PIN-code** is "0000".

You can change it by pressing the adjustable (corresponding) button.

While the lock is activated, you can see the red lock icon in the top right corner.

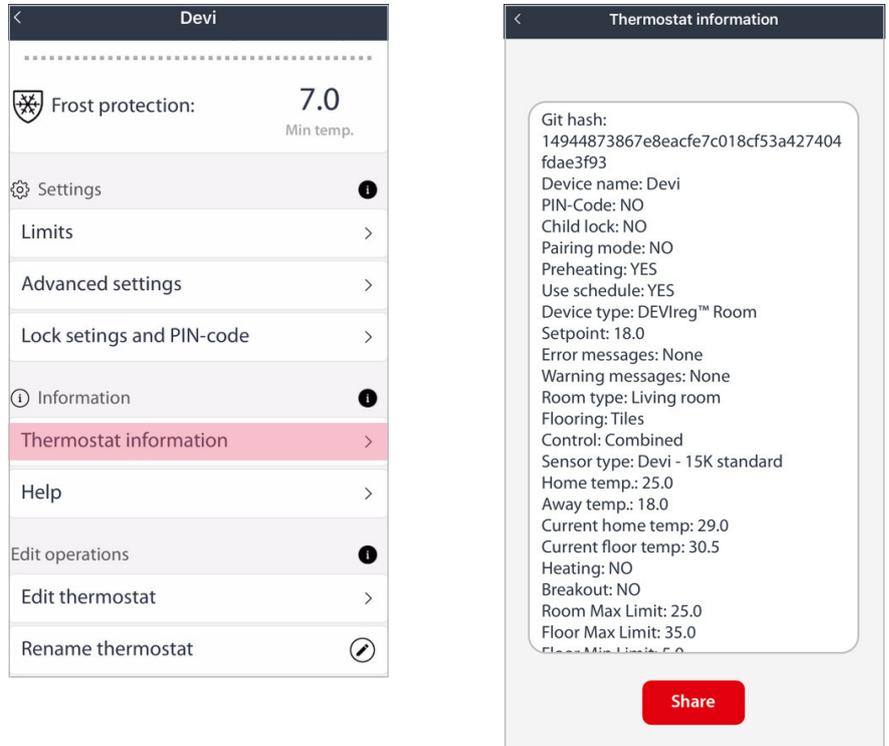
As well increasing the temperature out of the schedule and turning off the schedule mode can't be applicable.

To deactivate the lock go to the lock settings and write a PIN-code again.



5.5 Thermostat information

By pressing the **Thermostat information** button, you will get all the information of the device.



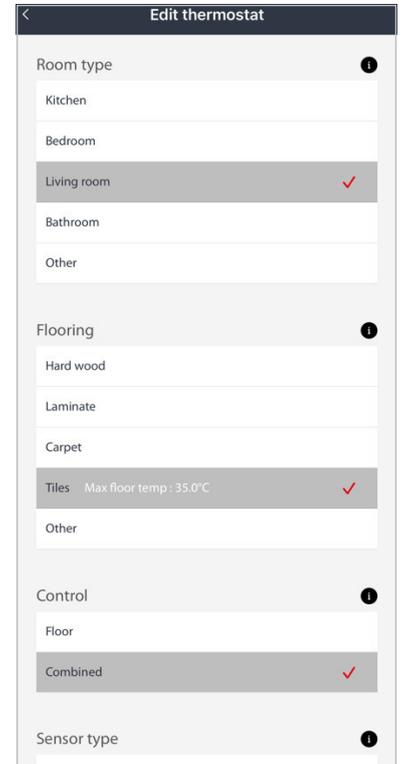
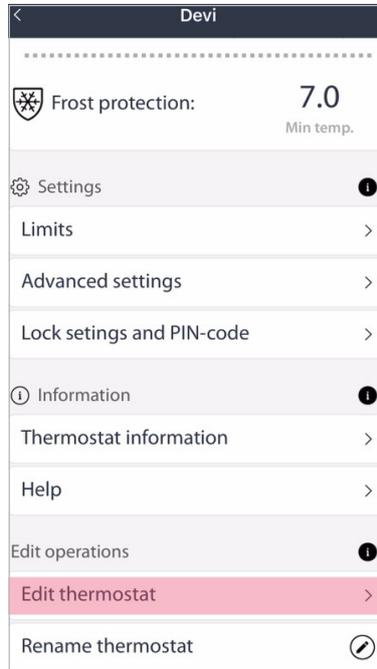
You can press the **Share** button to create text or PDF format and send it to the installer or Danfoss technical team if you have any questions about your thermostat.



5.6 Edit thermostat

If you are an installer, there you can change the wire sensor manufacturer. Also, you can do the same during first connection in **“Installer setup”**.

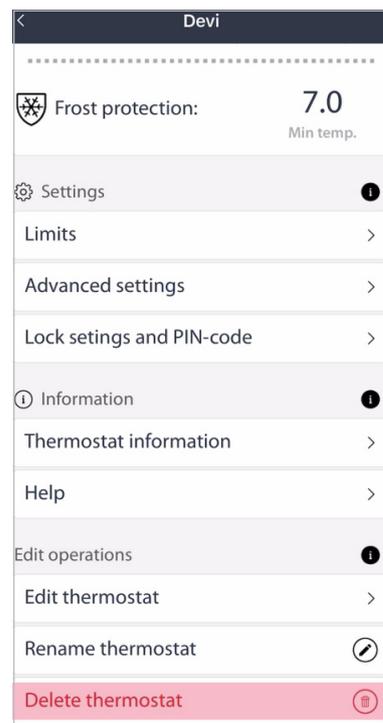
The wire sensor selection is available only for the **DEVIreg™ Room**.



5.7 Delete thermostat

Deleting the thermostat will only remove it from the app, but the thermostat settings will not be deleted. It means you don't need to put all the thermostat settings again while connection after the deleting.

If you want to delete the thermostat settings, you need to do a **Factory reset**.



6 Factory reset

To perform a factory reset the thermostat needs to be powered and correctly mounted, on the bottom of the device (circled below) is a pin hole, by pressing a needle into this pinhole a button will be activated, after 20-30 seconds of activation of this button the thermostat will perform a factory reset. All indicators will flash briefly to inform about successful factory reset.

The thermostat will briefly be rebooting please allow for up to 5 seconds for the thermostat to be back to a responsive state.

Performing an factory reset will reset errors and warnings.

Alternative method, the front cover on the thermostat can be removed using the slot on the bottom of the thermostat and the button can be activated with a finger or similar.

The factory reset can only be performed whilst the thermostat is powered.



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DEVI • devi.com • +45 7488 2222 • EH@danfoss.com

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