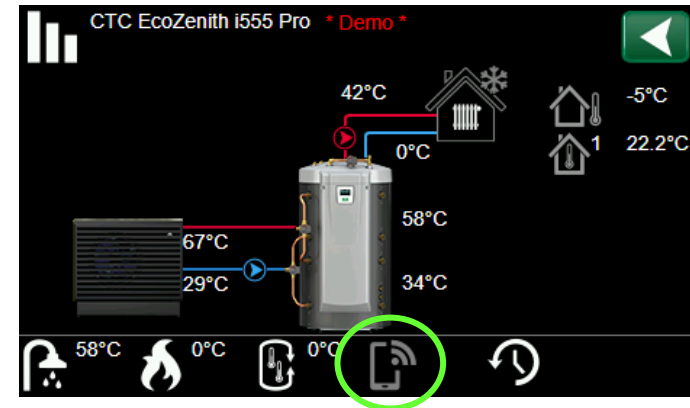
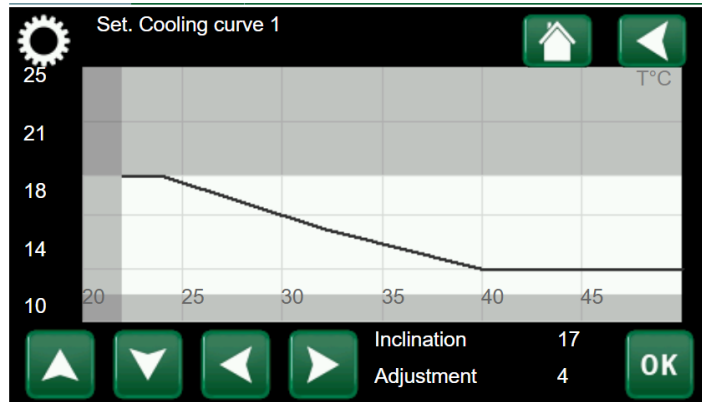


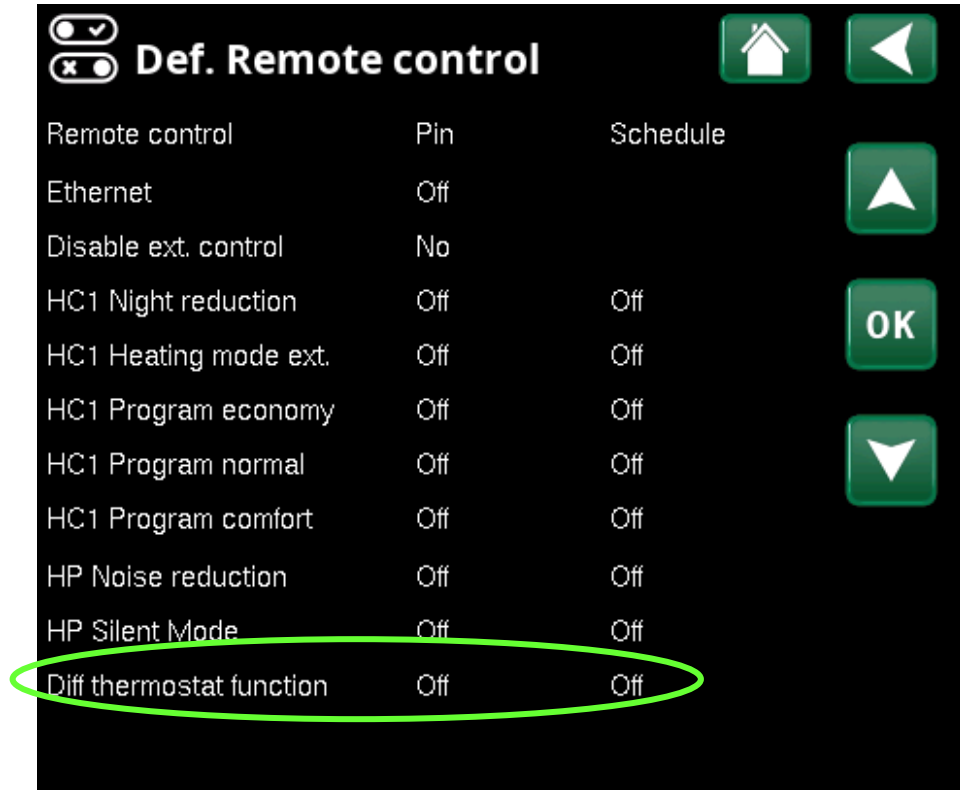
# Software release, 2024-01-29

## Compilation new functions



# New function: Remote control, diff thermostat

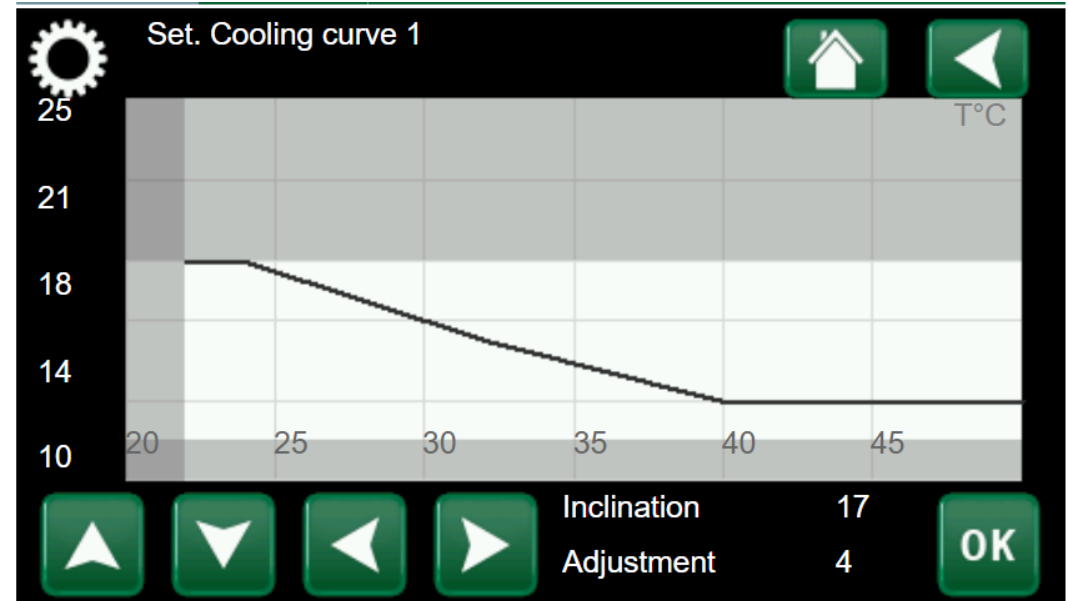
- Diff. thermostat function can now be blocked through remote control.



| Remote control           | Pin | Schedule |
|--------------------------|-----|----------|
| Ethernet                 | Off |          |
| Disable ext. control     | No  |          |
| HC1 Night reduction      | Off | Off      |
| HC1 Heating mode ext.    | Off | Off      |
| HC1 Program economy      | Off | Off      |
| HC1 Program normal       | Off | Off      |
| HC1 Program comfort      | Off | Off      |
| HP Noise reduction       | Off | Off      |
| HP Silent Mode           | Off | Off      |
| Diff thermostat function | Off | Off      |

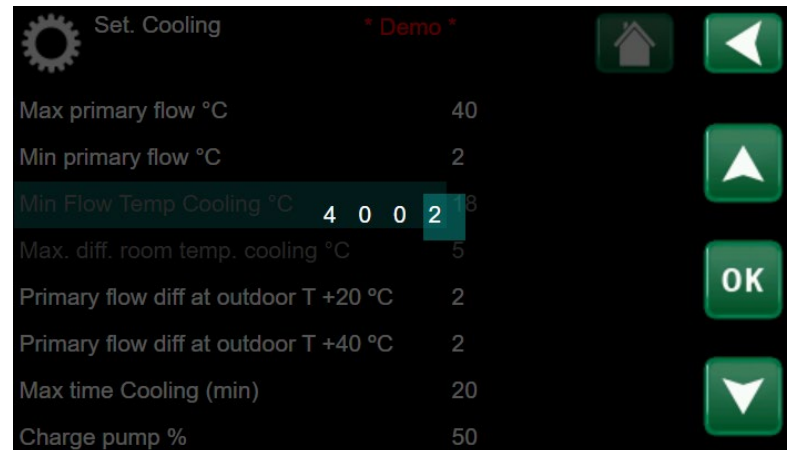
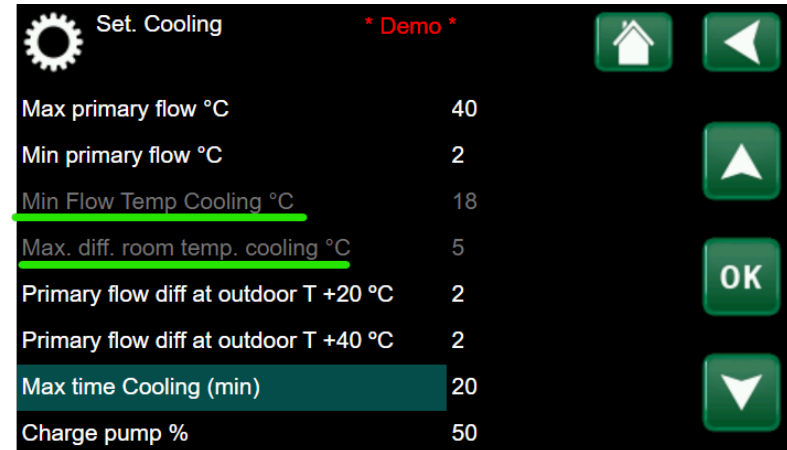
# New function: Cooling curve

- Active cooling now also has a curve (like the heating curve).
- More settings than before.
- Shape of the curve is kept with new setting.
- With BMS you can do that as well.



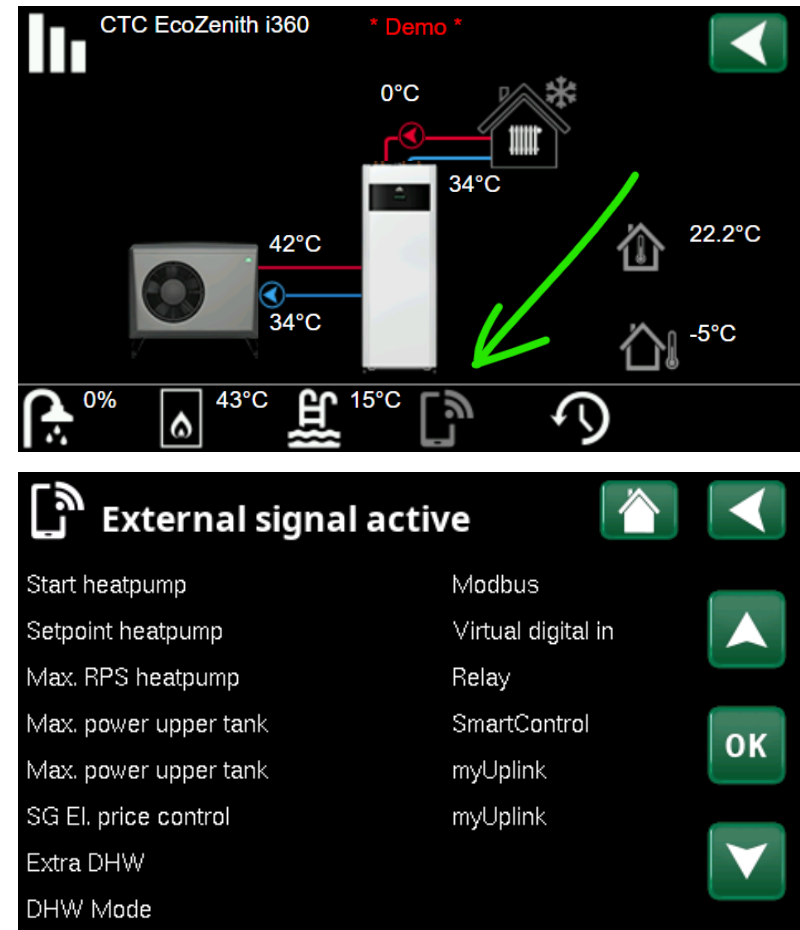
# Improvement: Settings Cooling

- Moved coded cooling settings "min flow temp cooling" and "max diff room temp cooling" from the service menu to the settings menu (cooling settings).
- It is no longer in the code menu but still you need the code 4002 to change it!



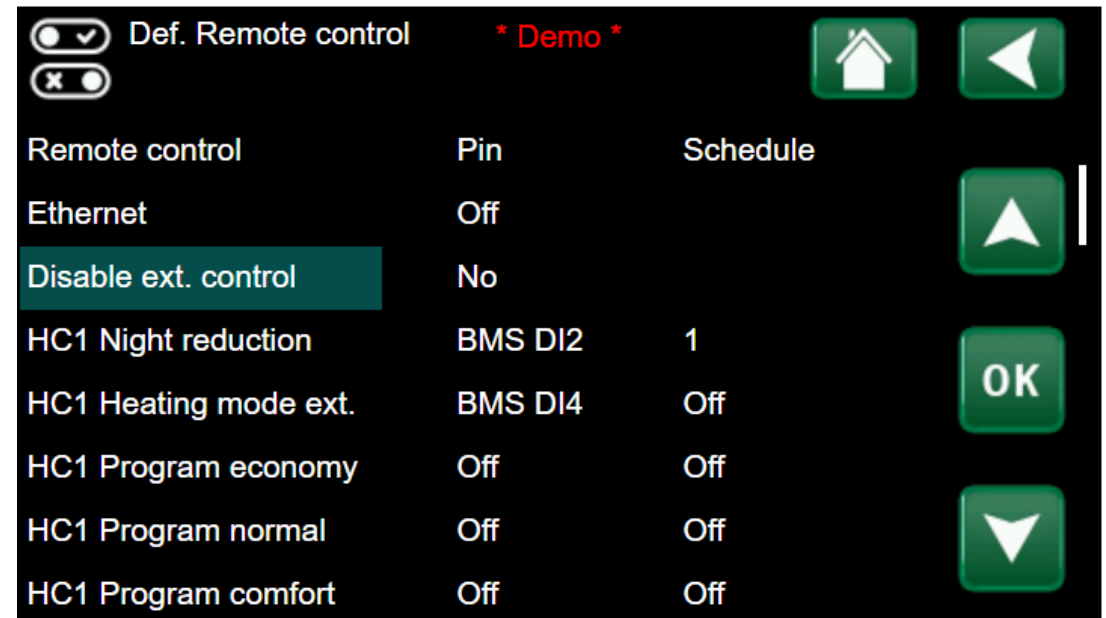
# New function: Operation data icon list - external control

- New operation info screen showing which external control (1000-register, plus) is active and from what source (BMS or myUplink).
- When you click on it you can see what is controlled and who is controlling it (BMS, Contact, MyUplink).
- Symbol is dark grey until it is active.
- It also has a counter that shows how many signals are active.



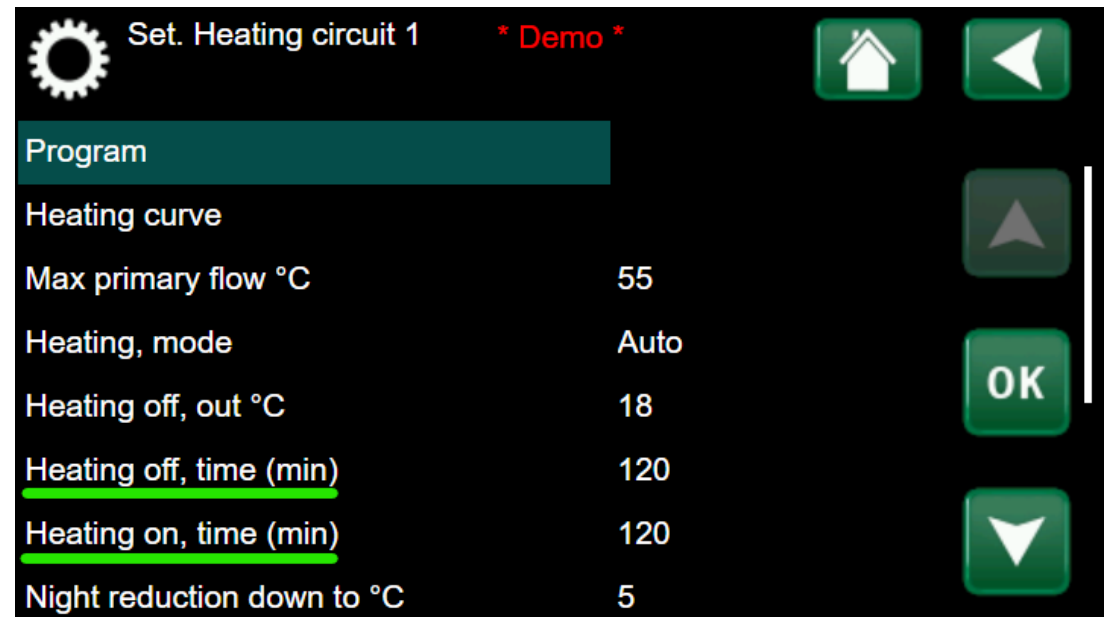
# New function: Disable remote control

- New setting in “Installer/Define/Remote control” to turn off external control (1000-reg).
- Since you could have a situation where external controller makes the controller do strange things, you can now disable external digital settings (BMS/Smart Home).
- Physical contacts & schedules are not affected.



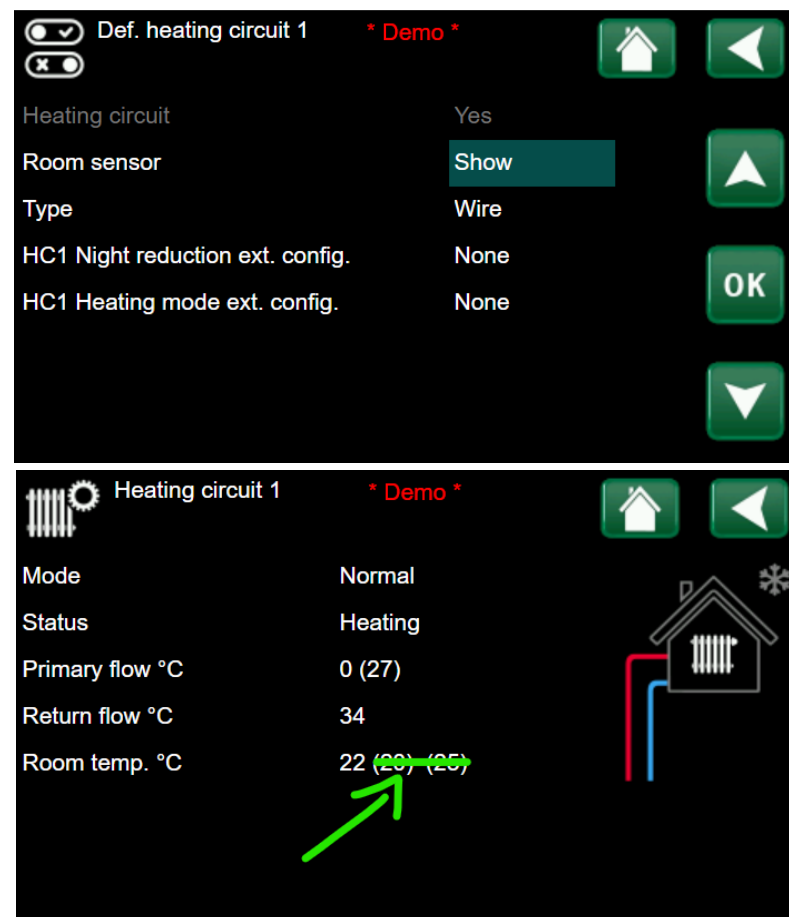
# Improvement: Heating on/off

- The combined heating off/on time is now separated into two different settings. Now they can be adjusted individually.
- Can be adjusted up to 24 hours (1440 minutes).
- Hysteresis is fixed at 2°C.



# Improvement: Room sensor only showing

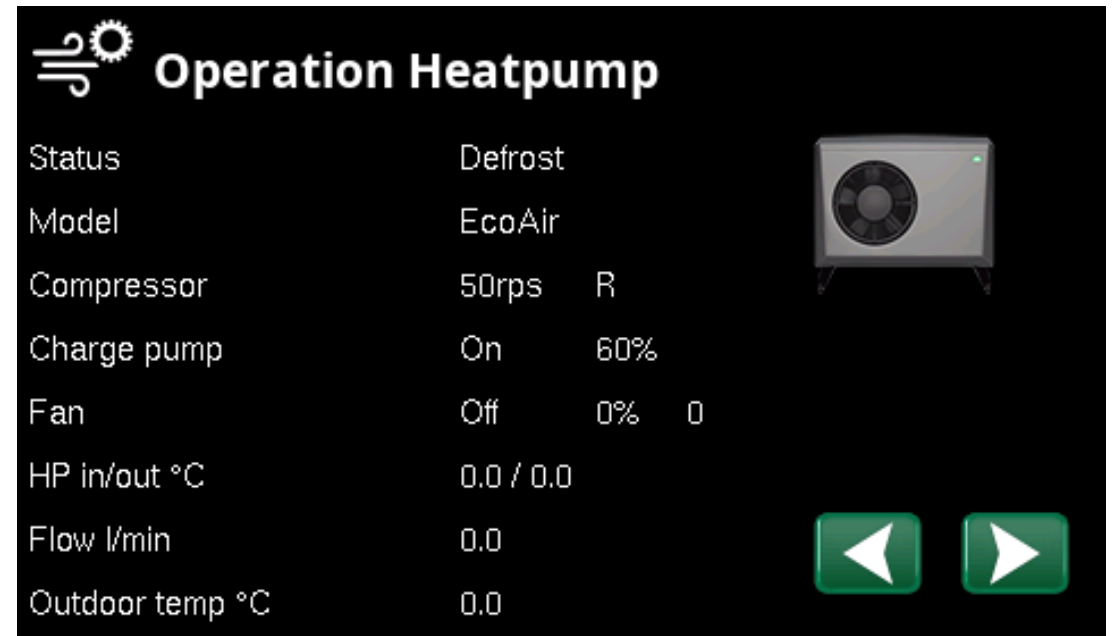
- Added the possibility for room sensors to only display room temperature and not control the system.
- Both for heating and active cooling.
- “Installer/Define/Heating circuit. For room sensor you can choose YES/NO/SHOW.
- With SHOW you will only see the temperature of the room sensor.
- You don't see the set points anymore.





# Improvement: Operation data compressor, status “Defrost”

- Operation data menu Heatpump/compressor, compressors status should be shown also when defrosting.
- Before it was showing “Off” during the defrost cycle. That was confusing, since the compressor was working for the defrosting of the evaporator.

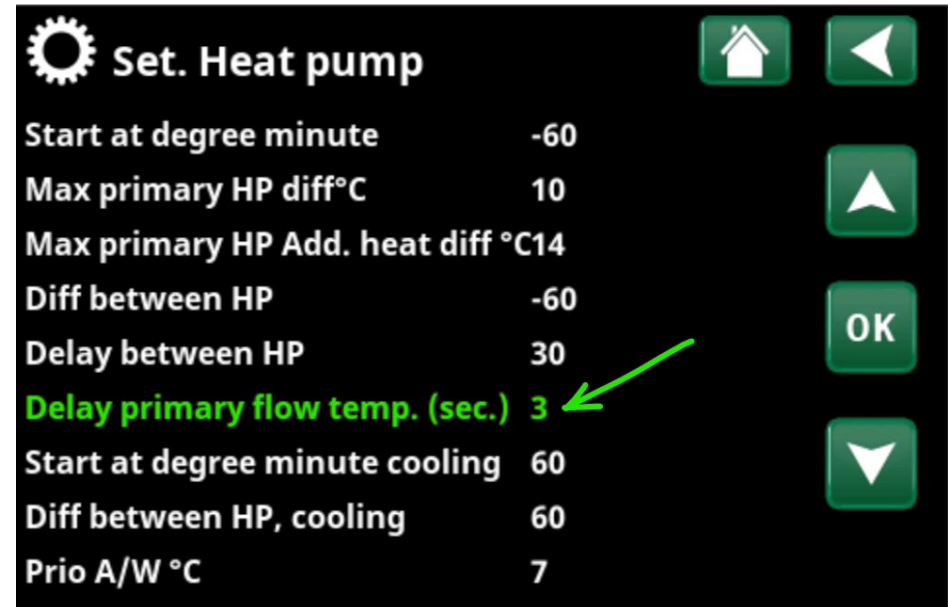


The screenshot displays the 'Operation Heatpump' interface. It features a gear icon and the title 'Operation Heatpump'. The status is 'Defrost'. The model is 'EcoAir'. The compressor is running at 50rpm. The charge pump is on at 60%. The fan is off at 0%. The HP in/out temperature is 0.0 / 0.0. The flow is 0.0 l/min. The outdoor temperature is 0.0 °C. There is a small image of the heatpump unit and two navigation arrows at the bottom right.

|                 |           |
|-----------------|-----------|
| Status          | Defrost   |
| Model           | EcoAir    |
| Compressor      | 50rpm R   |
| Charge pump     | On 60%    |
| Fan             | Off 0% 0  |
| HP in/out °C    | 0.0 / 0.0 |
| Flow l/min      | 0.0       |
| Outdoor temp °C | 0.0       |

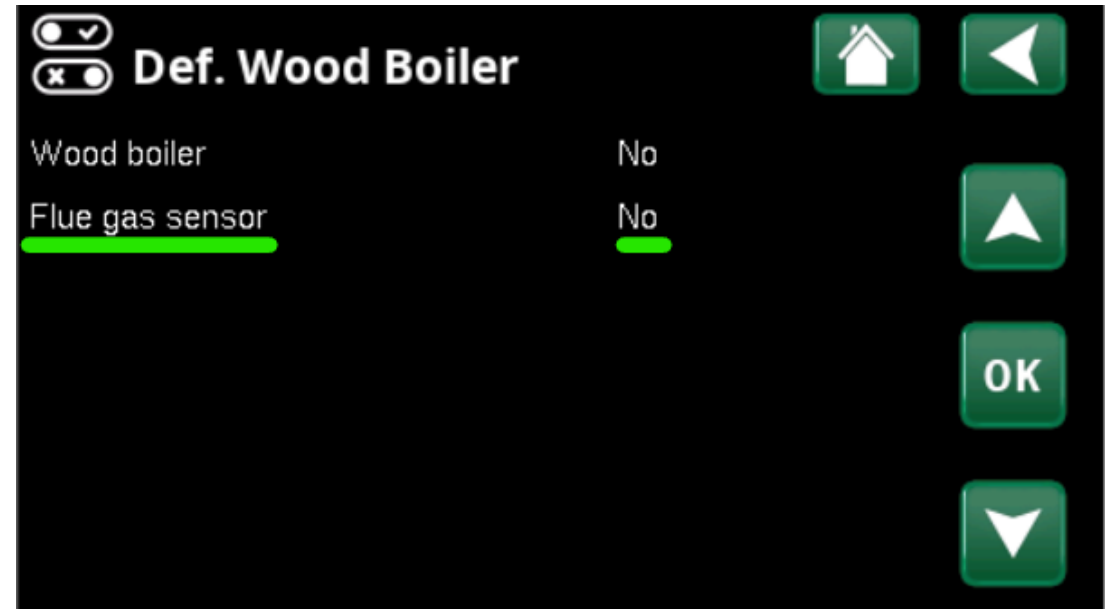
# Improvement: Settings VP common, moved function "Delay heating calc" ("Delay primary flow temp (sec.)")

- Moved setting "Delay heating calc" from DHW settings to Heat pump settings.
- The setting is now on the same place for all programs.
- The name is also the same now, "Delay primary flow temp (sec.)".



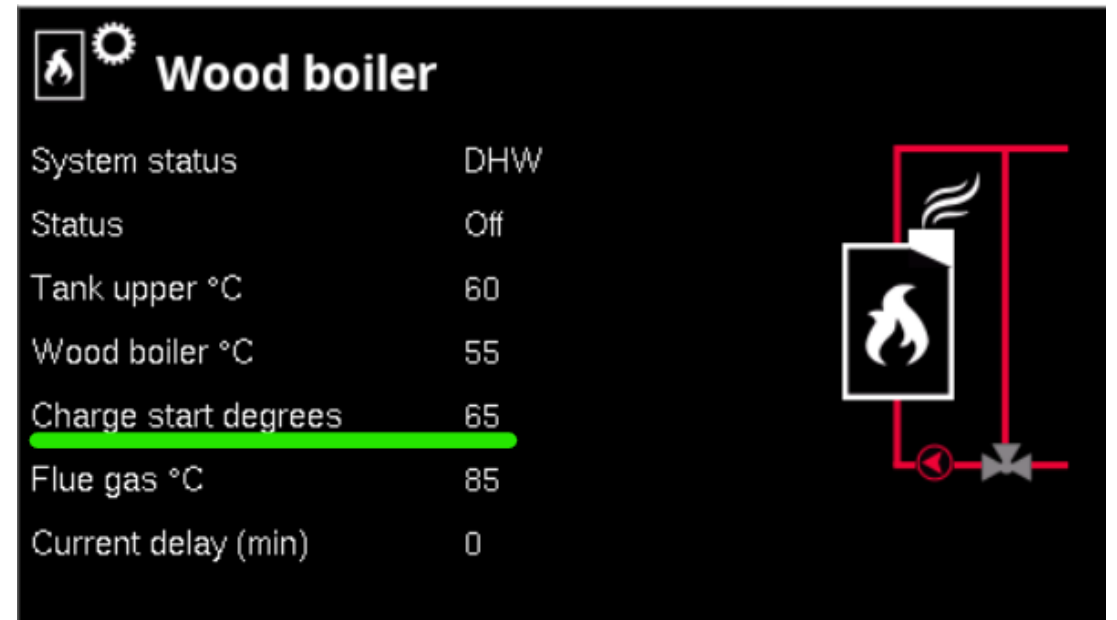
# Improvement: Flue gas sensor define Y/N

- Possible to define now if there is a flue gas sensor for a wood boiler.
- Now alarms if it is not defined.
- It used to be possible to work without, but you would always have an alarm.



# Improvement: Wood boiler operation, show start temperature

- Wood operation data view now shows the required temperature to start charging from wood boiler.

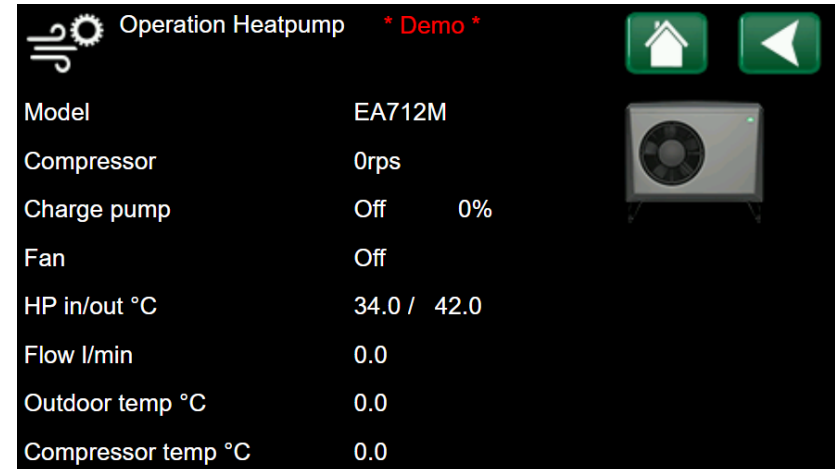


The screenshot displays the 'Wood boiler' control interface. It features a title bar with a flame and gear icon, followed by a list of system parameters. The 'Charge start degrees' parameter is highlighted with a green underline. To the right of the text is a schematic diagram of the boiler system, showing a boiler unit with a flame icon, connected to a piping system with a valve and a pump.

| Wood boiler                 |     |
|-----------------------------|-----|
| System status               | DHW |
| Status                      | Off |
| Tank upper °C               | 60  |
| Wood boiler °C              | 55  |
| <u>Charge start degrees</u> | 65  |
| Flue gas °C                 | 85  |
| Current delay (min)         | 0   |

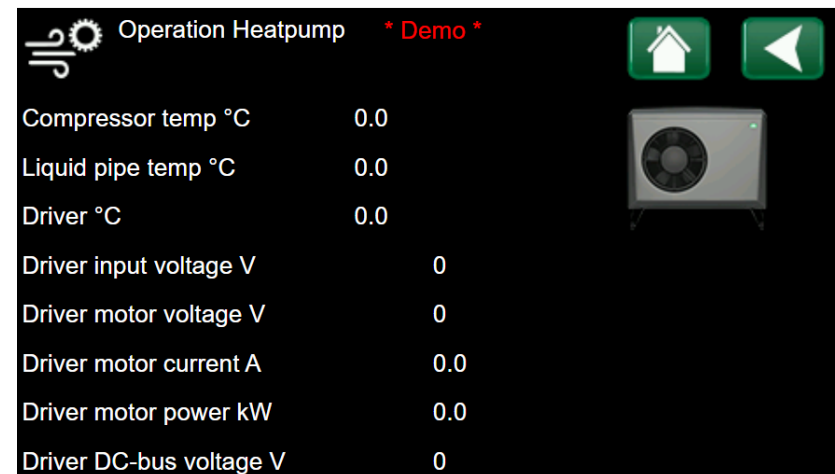
# Improvement: Operation data HP, more data available

- All sensor for EA700, you can see on the operation data (more than before).
  - Fan speed
  - Flow in the system
  - ...



Operation Heatpump \* Demo \*

|                    |             |
|--------------------|-------------|
| Model              | EA712M      |
| Compressor         | 0rps        |
| Charge pump        | Off 0%      |
| Fan                | Off         |
| HP in/out °C       | 34.0 / 42.0 |
| Flow l/min         | 0.0         |
| Outdoor temp °C    | 0.0         |
| Compressor temp °C | 0.0         |

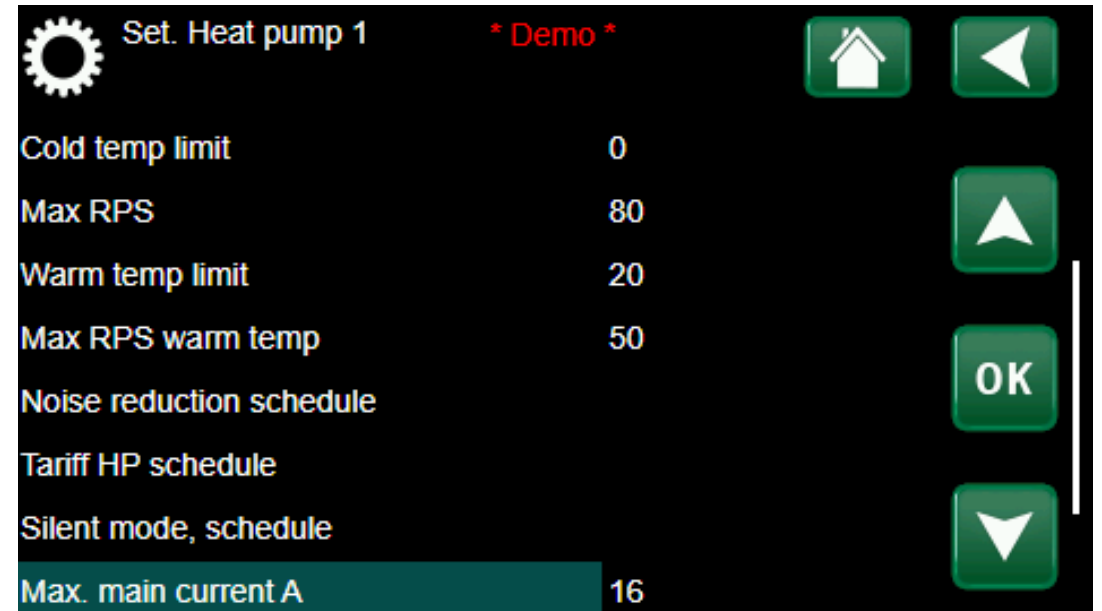


Operation Heatpump \* Demo \*

|                         |     |
|-------------------------|-----|
| Compressor temp °C      | 0.0 |
| Liquid pipe temp °C     | 0.0 |
| Driver °C               | 0.0 |
| Driver input voltage V  | 0   |
| Driver motor voltage V  | 0   |
| Driver motor current A  | 0.0 |
| Driver motor power kW   | 0.0 |
| Driver DC-bus voltage V | 0   |

# New function: setting HP main current (EA700)

- Added setting “Max. HP main current A”.
- The maximum amps depends on the outside temperature and what the compressor. With this new software we check the main Amp meter.
- BEFORE the Installer had to set the RPS himself, in order not to have to high Amps, now he can set the Amps directly.
- If it is very hot outside the HP can consume too much energy (for the fuse)
- While starting however it is possible that the start current is too high... The first 3 minutes are ignored. After that you go to the minimum RPS directly if that is needed for the current limit.



# Improvement: Operation data, temperature needed to charge buffer tanks

- Added new line in the Operation data/External buffer tank” view that displays the temperature needed in the lower tank to start charging the buffer tank.
- Now you can't see why the tank is not charging you get the required setting so that you can see the difference between setting and the actual value (easier for the user to see what is happening).

External buffer tank \* Demo \*

|                           |     |
|---------------------------|-----|
| Status                    | Off |
| Ext. buffer tank upper °C | 0   |
| Ext. buffer tank lower °C | 0   |
| Tank upper °C             | 58  |
| Tank lower °C             | 34  |
| <u>Charge start °C</u>    | 42  |

# Improvement: Added compressor heater status to HP overview

- Added compressor heater status to HP operation data view. You can see if the compressor heater (CCH) is working. Status compressor shows CCH On or Off.
- This will help the end-user or installer to understand why the compressor is not starting. As long as the CCH is on the compressor will not start.

