

KÜTTEKÕVER

12.1 1.

1. 1. ahel

5. Päevane toatemp

2. Küttekõver

6. Öine toatemp

3. Korrektori koef.

7. Päeva/öö temp

4. Pump off

8. Tabel 1

12.1.2 Küttekõver

7

8

9

±

4

5

6

,

1

2

3

0

C

✓

i

↑

←

↓

→

Valikud

- tehaseseade: 1
- Miinimum: 0,1
- Maksimum: 4,0

See parameeter näitab küttevee temperatuuri korrigeerimist sõltuvalt välistemperatuurist.

Radiaatorkütte puhul on tavaliselt (keskmise soojustusega elamus) sobiv vahemik 0,8 ... 1,0

The graph illustrates the relationship between flow temperature and outdoor temperature for various radiator heating coefficients. The y-axis represents flow temperature in degrees Celsius, ranging from 20 to 100. The x-axis represents outdoor temperature in degrees Celsius, ranging from 20 down to -35. Multiple curves are plotted, each corresponding to a different coefficient value (0.1, 0.3, 0.5, 0.7, 0.9, 1.0, 1.2, 1.4, 1.6). The curves show that as the outdoor temperature decreases, the required flow temperature increases. Higher coefficients result in higher flow temperatures for the same outdoor temperature. The graph is labeled 'Küttekõver' and 'RADIATOR HEATING'.

Korrektori koef. - kasutatakse toanduri puhul

Pump off - kütte väljalülitamiseks välistemperatuuri järgi (kevadisel ja sügisel ajal kütteperioodi jooksul)

Päevane toatemperatuur - toanduri olemasolul soovitatav ruumi temperatuur; selle puudumisel arvutuslik näitaja. Selle tõstmisel suurendatakse küttevee temperatuuri ja vastupidi, selle muutmist kasutatakse kütte paikahäälestamiseks + - kraadide juures.

Öine toatemperatuur - analoogne eelmisega

Päeva/öö temp. - millise temperatuuri järgi kütet juhitakse

Tabel - päevasele ja öisele temperatuurile lülitamise ajad

VALUE OF NIGHT ROOM TEMPERATURE

The screenshot shows two panels. The left panel, titled '12.1 1. Circuit', contains eight numbered buttons: 1. 1+ Circuit, 2. Heating curve, 3. Corrector influence, 4. Day room temp., 5. Night room temp. (highlighted with a dashed box and a hand icon), 6. Day/Night Temp., 7. Table 1, and 8. Transition Time. The right panel, titled '12.1.5. Night room temp', shows a digital display with '20.0' and '20.0 °C'. Below the display is a numeric keypad (0-9, ±, ,) and function buttons including a red 'C' button, a checkmark, an information 'i' button, an up arrow, a factory icon, a left arrow, a down arrow, and a right arrow.

- Possible selection:**
- factory: 20,0°C
 - Minimum: 5°C
 - Maximum: 30,0°C

This parameter determines the value of night room temperature.

DAY/NIGHT TEMPERATURE CHOICE

The screenshot shows two panels. The left panel, titled '12.1 1. Circuit', is identical to the previous one, but with 'Day/Night Temp.' (button 6) highlighted by a dashed box and a hand icon. The right panel, titled '12.1.6. Day/Night Temp.', shows a 'Day Temp.' input field with 'Factory: Day Temp.' below it. Below the input field are three buttons: 'Day Temp.' (with a battery icon), 'Table' (with a battery icon), and 'Night Temp.' (with a battery icon). At the bottom, a checkmark button is highlighted with a dashed box and a hand icon.

- Possible selection:**
- factory: Day temperature
 - Day temperature, Night temperature, Table

This option enables you to choose type of desired temperature (day, night or table.) In next page you can see how to fill a table.

DAY/NIGHT TEMPERATURE TABLE

12.1 1. Circuit

9. Min. temp. floor

10. Max. temp. floor

11. Const. temp.

12. Day room temp.

13. Night room temp.

14. Day/Night Temp.

15. Table 1

16. Transition Time

1. circuit - Table 1

	MON	TUE	WED	THU	FRI	SAT	SUN
☀	06:00	06:00	06:00	06:00	06:00	05:00	06:00
🌙	22:00	22:00	22:00	22:00	22:00	10:00	22:00
☀							
🌙							
☀						14:00	
🌙						23:00	

☀ Day temperature 🌙 Night temperature

Each cell marks the beginning of some type (day/night) of selected room temperature. According to this table every day from monday at 06:00 am is activated day room temperature, until 22:00 pm when is activated night room temperature until tuesday, when at 06:00 am is again activated day room temperature.

On saturday, the day temperature is activated at 05:00 am and works until 10:00 am when is switched to night temperature. At 14:00 pm is again activated day room temperature up to 23:00 pm when is again switched to night temperature.

When passed one cycle (week) circle starts again from the beginning. The values of a day/night room temperature can be selected as is described in previous pages.

The type of temperature (day/night) will not be changed in the same moment, he will be changed occur gradually by parameter "time of transition" (see below).

TRANSITION TIME (is used only when the configuration doesn't contain room corrector)

12.1 1. Circuit

9. Min. temp. floor

10. Max. temp. floor

11. Const. temp.

12. Day room temp.

13. Night room temp.

14. Day/Night Temp.

15. Table 1

16. Transition Time

12.1.8. Transition Time.

3600 3600 sec

7 8 9 ± C ✓

4 5 6 , i ↑

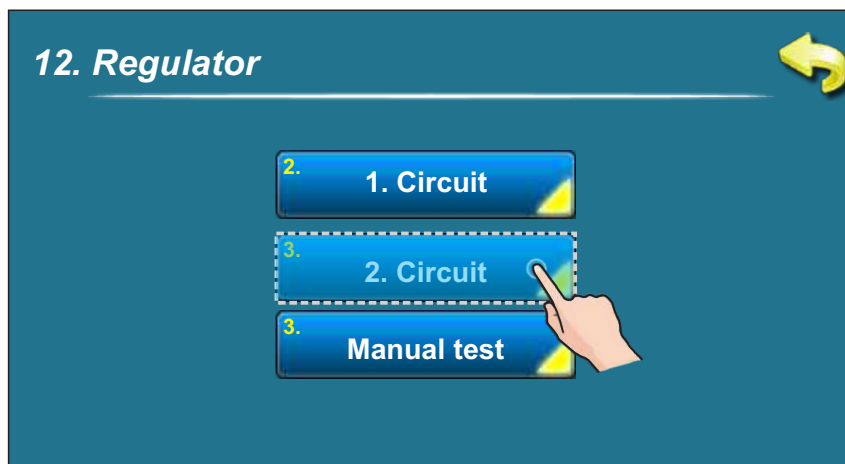
1 2 3 0 ← ↓ →

Possible selection: - factory: **3600sec**
 - Minimum: 0 sec
 - Maximum: 18000 sec

This parameter is used only when configuration doesn't contain room corrector, because regulation doesn't have information of room temperature.

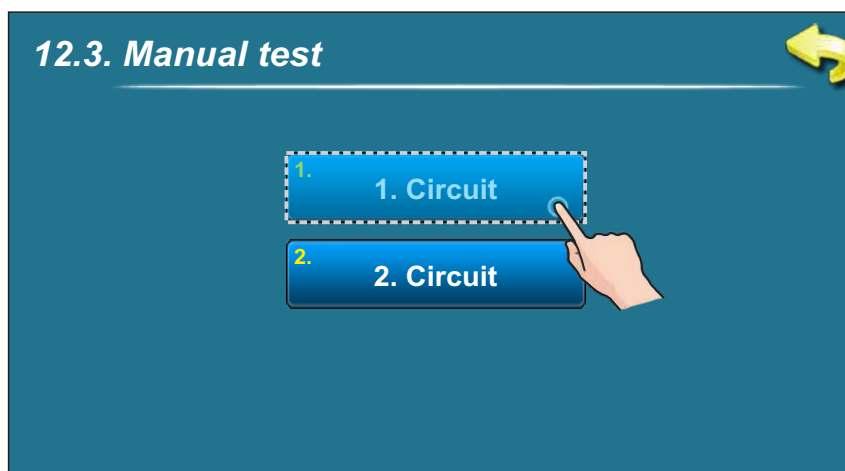
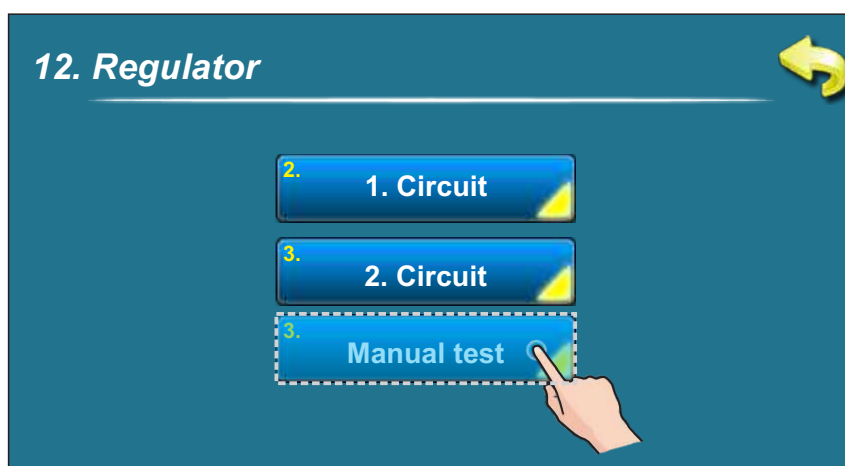
This parameter is time which is presumed that the system will achieve a given room temperature in a transition from day to night mode, and vice versa. So, this is time in which will "flow temperature" be optimally adjusted to achieve quick transition.

2. CIRCUIT

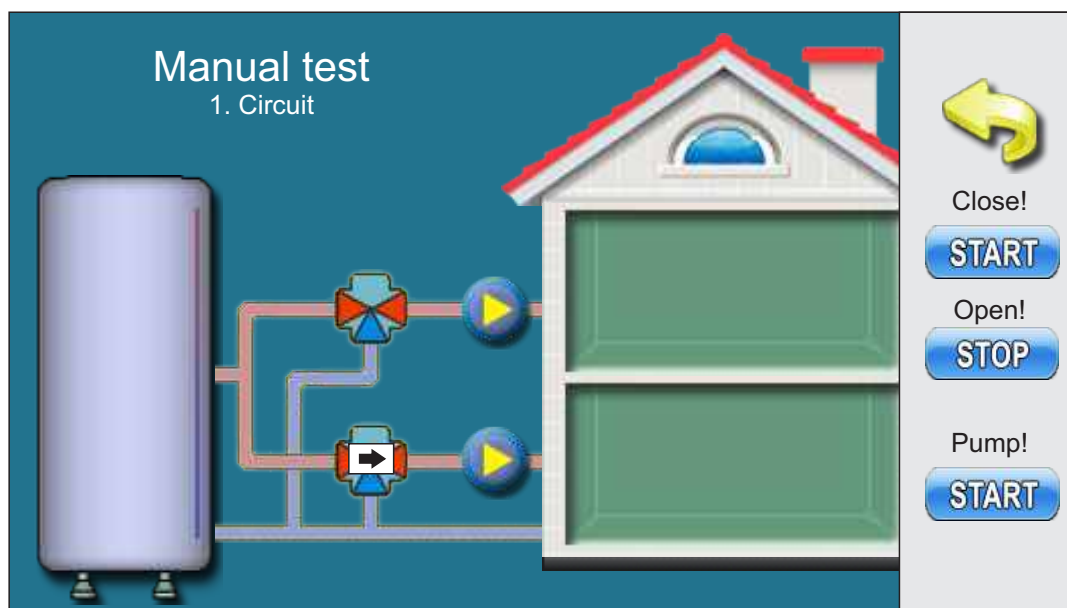


Setting parameters for 2+ circuit is done in same way like in 1+ circuit.

MANUAL TEST



User can check the operation of all components of each heating circuit.



When clicked button **START** below text "Close" mixing valve should begin closing mixing valve and symbol appear on the screen which means that mixing valve closes. When is "start" pressed and mixing valve closes, then button **START** becomes **STOP**. If you want to cancel the test you must press the button **STOP**.

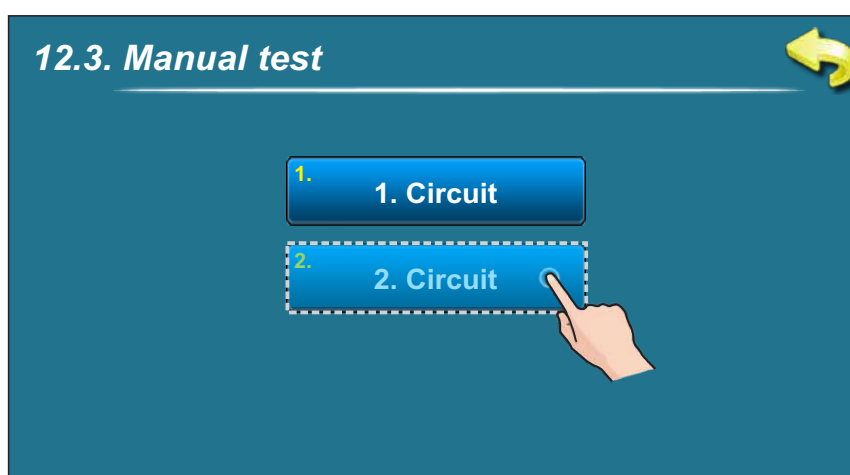
When clicked button **START** below text "Open" mixing valve should begin opening mixing valve and symbol appear on the screen which means that mixing valve opens. When is "start" pressed and mixing valve opens, then button **START** becomes **STOP**. If you want to cancel the test you must press the button **STOP**.

When clicked the button for **START** manual test pump, pump symbol starts to rotate and pump works. Tipka **START** postaje **STOP**.


To exit from the manual test has to press the button .

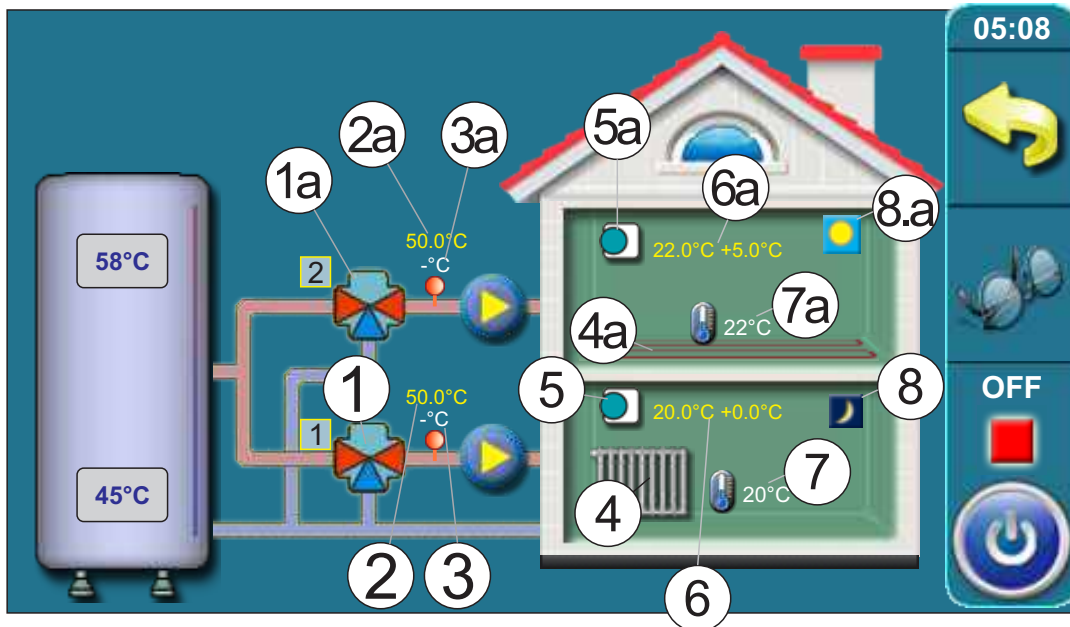
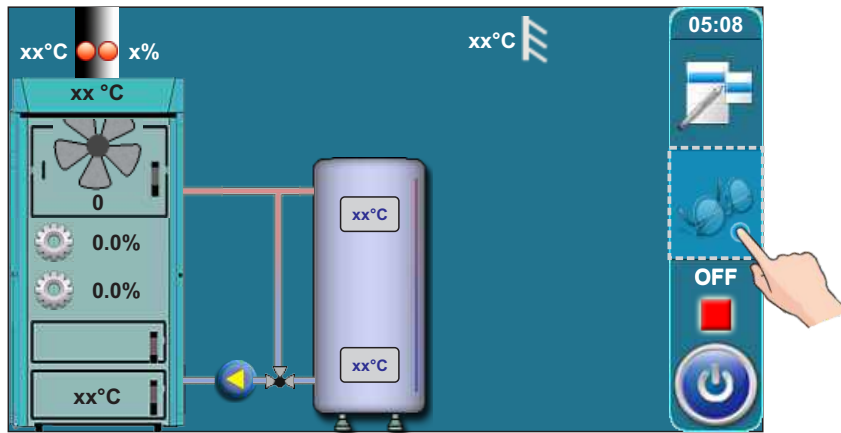


In the same way you can do manual test for 2+ circuit.




ON THE SCREEN

It is possible to graphically monitor the operation of both heating circuits.
 To open the graphical window of 2 heating circuits, it is necessary to press the .



For each heating circuit can be specifically select items.
 For example, you can Include / exclude heating circuits, turn on/off room corrector, choose heating type in each circuit (radiators / floor), choose the mode (day / night).

- | | |
|--|--|
| <ul style="list-style-type: none"> 1. Mixing valve (1.circuit) 2. The calculated flow temperature to achieve the the required room temperature (1.circuit) 3. Current measured flow temperature (1.circuit) 4. Heating type on 1. circuit (radiators or floor heating) 5. Room corrector „CSK“ on 1. circuit (if turned off, icon disappears) | <ul style="list-style-type: none"> 6. The desired temperature + deviation by room corrector (1.circuit) 7. Current measured room temperature (shown only if the room corrector is turned on) in 1.circuit 8. Mode (1.circuit) (day / night) |
|--|--|

 **Items 1a - 8a have the same meaning as items 1-8 (described above) which only relate to 2. heating circuit.**



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Centrometal
HEATING TECHNIQUE
