



Radiator Thermostat Valve

Please read the user manual before you place the thermostat. Keep the documents for later questions and provide them if you pass the thermostat on to other persons.

In this packing:

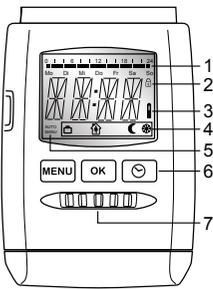
- Go Green Radiator Thermostat Valve energy saving radiator thermostat
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Application as directed
By purchasing the Go Green Radiator Thermostat Valve energy saving radiator thermostat you own a program mable radiator thermostat which can be used for temperature regulations in enclosed rooms and therefore, it can contribute to the reduction of heating energy. – Please use the thermostat only for this purpose.

The programming port is intended ONLY for our programming stick. Never connect other devices with the programming port!

Display and control elements

- 1) Heating times
- 2) Child lock active
- 3) Battery low
- 4) Travel function active
- 4b) Comfort temperature active
- 4c) Economy temperature active
- 4d) Window/freeze protection function active
- 5) AUTO or MANU mode active
- 6a) Button **[MENU]** - leads to the main menu (starting from regular display); within the menu one keypress leads to the previous level
- 6b) Button **[OK]** - confirmation of setting
- 6c) Button **[⊙]** - timer function
- 7) Selector wheel



Set up menu

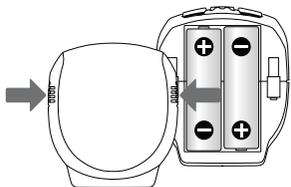
By pressing **[MENU]** you will arrive at the set up menu. Please choose one of the items with the selector wheel. With **[OK]** you can select one menu item and with the selector wheel they can be adjusted. The button **[OK]** confirms the setting. The button **[MENU]** leads to the previous level.

- MODE to select the mode
 AUTO = automatic mode
 MANU = manual mode
- PROG setting of time programme
 TEMP setting of comfort and economy temperature
 ZEIT setting of date and time
 FENS window function
 RES reset of the device to factory preset
 ADAP starting of a new adaptation to adjust the valve
 URLA travel function
 INST installation function
 OFFS adaptation of temperature to the room situation

Inserting / replacing batteries

In order to open the battery compartment please push at the marked positions to remove the cover. Then insert the batteries as shown in the illustration.

Do not use accumulators! Ensure that the polarity is correct!



Attention:

- Never recharge batteries, danger of explosion!
- Do not short-circuit batteries!
- Do not disassemble batteries!
- Take low batteries out of the device immediately.
- Keep batteries away from extreme warming – danger of leakage!
- Do not apply used and new batteries together.
- If needed, clean the battery and the contacts before using them.
- Keep the batteries away from children.
- When getting in touch with battery acid instantly irrigate the affected parts with clear water and call a doctor.

Setting date and time

After inserting the batteries for the first time, the date will flash on the display. Now, date and time can be set.

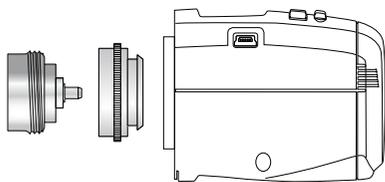
- Set date with the selector wheel.
 Confirm with **[OK]**
- Set month with the selector wheel.
 Confirm with **[OK]**
- Set day with the selector wheel
 Confirm with **[OK]**
- Set hour with the selector wheel
 Confirm with **[OK]**
- Set minute with the selector wheel
 Confirm with **[OK]** That's it

On the display **PREP** will be shown. Now, the motor will completely move to the installation position in order to make the installation easier. As soon as Go Green Radiator Thermostat Valve is ready for installation **INST** will be shown on the display. You can also set date and time via the menu item **ZEIT** later on. But in case of that, Go Green Radiator Thermostat Valve does not move to the installation position.

→ In case of replacing batteries, the stored time programme will remain active. You should check the specified time to ensure that.

Installation

Go Green Radiator Thermostat Valve can be quickly and easily mounted on all common valves (see adapter table). It can be installed without grime and water spots because the heating circuit is not interrupted.

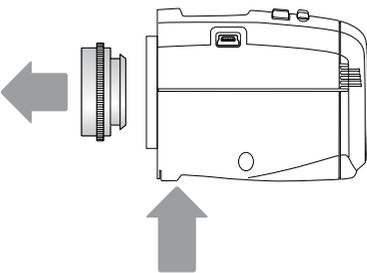


- 1) Turn the manual thermostat head up completely, loosen the fastening and pull the thermostat off of the valve.
- 2) Use an appropriate adapter, if required, and push it onto the valve. Screw the connector on the valve or the adapter. Now, you put Go Green Radiator Thermostat Valve on the connector until it noticeably clicks into place.

→ In case of a later installation , please switch in the menu to **INST** before you install the device. Herewith the installation is facilitated.

Dismounting

→ In order to dismount Go Green Radiator Thermostat Valve press the releasing device to loosen the locking device. Now, pull the Go Green Radiator Thermostat Valve off of the valve.



Adaptation

Initial installation: Press the button **[OK]** until **ADAP** appears on the display so that Go Green Radiator Thermostat Valve will be able to start its adaptation. The device will adapt itself to the stroke of your valve body. To do this the valve will now be open and closed several times to store the end points.
 In some cases this process can take a few minutes. After successful adaptation it returns to normal mode.

→ Should adaptation become necessary again, e.g. if your radiator does not cool down in the **RUS** -Position, please press in the menu the button **ADAP** until adaptation starts again.

→ If the mistake **E2** is shown on the display place Go Green Radiator Thermostat Valve onto the radiator valve and then take the batteries out for a short time in order to execute a reset.

Basic operating modes

MANU-mode

In the MANU-mode Go Green Radiator Thermostat Valve adjusts to the manually specified temperature.

AUTO-mode

In the AUTO-mode Go Green Radiator Thermostat Valve changes between to temperatures according to the time programme that has been set:

- ☺ comfort temperature (factory preset 21°C)
- ☾ economy temperature (factory preset 16°C)

The heating and economy times can be specified via the adjustable time programme. It is possible to set 8 switch points (4 heating and 4 economy times) per day at the most. Go Green Radiator Thermostat Valve the following factory preset:

Heating time:

Heating with comfort temperature (factory preset: First heating time at 07:00)

Economy time:

lowering to economy temperature (factory preset: First economy time at 22:00)

Setting heating and economy times

With Go Green Radiator Thermostat Valve it is possible to set 4 heating and 4 economy times per day – one for each day or one for a block of several days. TAG1 to TAG7 represent the weekdays from Monday to Sunday. Additionally, the corresponding days are shown as abbreviation below the menu bar on the display.

Block construction:

- T1-5 = same programme from Monday to Friday
- T1-6 = same programme from Monday to Saturday
- T1-7 = same programme from Monday to Sunday

→ For non-programmed days the factory preset remains active.

Setting of an individual programme

Press **[MENU]** . Select the menu item **PRCG** with the selector wheel. Press **[OK]**

TRG1 for Monday is shown on the display.
 Select day/block with the selector wheel. Confirm with **[OK]**

Set the beginning of the first heating time (symbol ☺) with the selector wheel. Confirm with **[OK]**

Set the beginning of the first economy time (symbol ☾) with the selector wheel. Confirm with **[OK]**

Now, if desired, a second, third or fourth heating/economy time can be entered.

→ If you do not want to set a further heating/economy time confirm "--" with **[OK]**

The next day for programming is shown on the display.
 → If you do not want to enter a further day, leave the menu with **[MENU]** . If the temperature is shown on the display the programming is finished.
 → Within the blocks you can also overwrite single days with different times.

Setting comfort and economy temperature

Press **[MENU]** . Select the menu item **TEMP** with the selector wheel . Confirm with **[OK]** .

Set comfort temperature with the selector wheel. Confirm with **[OK]**

Set the economy temperature with the selector wheel. Confirm with **[OK]**

Area **RUS** 8°C, freeze protection function is active
 Area **EIN** valve is completely open

Remark

Maximum energy saving can be obtained with an economy temperature which is about 5°C below the comfort temperature.

Manual operation

With the selector wheel an adaptation of the room temperature is possible at any time. In the AUTO-mode it remains active until the next switch point is reached. Now, the usual programme becomes active again.

Further functions

The timer function is selected with the timer-button
 With this function a user-defined temperature for a programmable period can be entered. This can be very useful in case of a party, for example. Press **[⊙]** . First, the time for which the time programme has been deactivated is shown. Confirm with **[OK]** . Now, the desired temperature can be set. Confirm with **[OK]**

Offset

If the perceived temperature significantly differs from the set thermostat temperature a temperature set up can be executed. Press **[MENU]** . Select the menu item **OFF5** with the selector wheel. Confirm with **[OK]** . The degree setting **0, 0.5, 1** will flash on the display.
 Now set up the desired adaptation for the temperature (from -5 up to 5°C) with the selector wheel. Confirm your entry with **[OK]** . The temperature display does not change !

Window function

If you open a window and consequently the temperature drops significantly Go Green Radiator Thermostat Valve will automatically raise the heating valve in order to save energy. The display will show ☼ . Afterwards Go Green Radiator Thermostat Valve will resume normal operation.
 For the set up select **FENS** in the menu. Confirm with **[OK]**

First, the sensibility is selected with the selector wheel
HIGH = high sensibility
MID = medium sensibility (factory preset)
LOW = low sensibility. Confirm with **[OK]**

Now, you enter the time (10min (factory preset) - 60 min) for which the valve should remain closed. Confirm with **[OK]**

Travel function

For the time you are absent you can select an individual temperature. After this period the originally defined programme becomes active again.
 Press **[MENU]** . Select the menu item **URLA**. Confirm with **[OK]** (Suitcase symbol ☐ appears on the display)
 Select with the selector wheel the end of the travel function (= date of the recommencement of the regular heating times). Confirm with **[OK]**

Set the time and confirm with the button **[OK]**

The signal **RUS** appears on the display. Now set the temperature and confirm with **[OK]** . (Suitcase symbol ☐ appears on the display). With **[MENU]** the function can be activated.

Child lock

You can lock Go Green Radiator Thermostat Valve to protect the device from unauthorized activation.
 Press the buttons **[OK]** and **[⊙]** at the same time for about 2 seconds until the symbol ☼ appears on the display in order to lock the device. By using this button combination again the symbol disappears and you release the lock.

Heating pause – Closing the Go Green Radiator Thermostat Valve

Press **[MENU]** . Select the menu item **MODE** with the selector wheel. Confirm with **[OK]**

Select **FRNH** and confirm with **[OK]**

Set the temperature on the display to **RUS** .
 The valve is now closed and will work with a time programme.
 The calcification protection function remains active once a week.
 After the heating pause you switch in the menu to the AUTO-mode and the personally set programme will be executed again.

Going back to factory preset / All reset

Press **[MENU]** . Select the menu item **RES** with the selector wheel. Confirm with **[OK]** . ☼ flashes, confirm with **[OK]**

Go Green Radiator Thermostat Valve is reset again.
 Now proceed as described for the initial operation.

Freeze protection and calcification protection function are active automatically

Freeze protection function

If the temperature drops below 6°C, Go Green Radiator Thermostat Valve opens the valve until the temperature again rises above 8°C. This prevents the radiators from freezing.

Calcification protection

To prevent radiator valves from calcifying Go Green Radiator Thermostat Valve is submitted to a calcification protection programme once a week on Friday mornings.

Cleaning and used devices

Cleaning

To clean the Go Green Radiator Thermostat Valve use only a dry or lightly wet cloth. Avoid chemical solvent – it can probably damage the device.

Used devices

Do not throw old devices and packaging into the household waste. They can be recycled. You receive further information at your local government.

Adapters

Heimeier, Junkers Landys+Gyr, MNG, Honeywell, Braukmann, thread-measure dimension of M 30x1,5	no adapter required
Danfoss RAV (accompanying pin must be plugged on the valve tapped)	 + accompanying pin, only for RAV!
Danfoss RA	
Danfoss RAVL	

Help

Problem	Cause	Solution
	Batteries do not have enough power.	Replace batteries.
Heating element does not cool down	Valve does not close completely. It may be that the closing point of your valve seat has shifted	Adapt again (see Adapting). Move the valve stem several times by hand, it may be that adaptation is impossible because your valve is calcified or the seat no longer performs its function
Heating element does not warm up	Is the boiler water temperature OK ? Valve does not open, is it calcified after the summer pause/ heating pause ?	Adjust the water temperature of the boiler water Remove the Go Green Radiator Thermostat Valve, move the valve stem back and forth per hand or with a tool
E1	No adaptation possible	Is the installation OK ?
E2	Go Green Radiator Thermostat Valve not installed to the heater Valve stroke is too short	Install the product to the heater. Open and close the valve several times manually or replace the batteries
E3	Motor movement is not possible	Does the valve stem move freely ?

www.go-green.nl
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