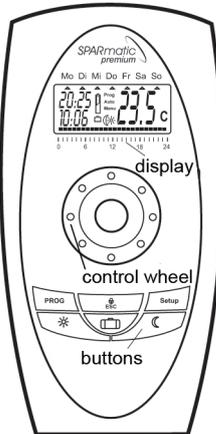


SPARmatic premium

The new programmable
radio-controlled energy saving
control for radiators



www.eurotronic.org



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.

Shipment
2 radiator thermostats
1 user manual (control)
2 user manuals

Application as directed

By purchasing the Sparmatic premium radiator thermostat you own a programmable radio controlled radiator thermostat which can be used for temperature regulation in enclosed rooms. It fits to all common thermostat valves (possibly with an adaptor) and can contribute to a reduction of heating energy.

Please use the device only for this purpose.

1- Initial setting of the control

Set house code, room zone, date and time.

After inserting the battery, the Sparmatic premium control automatically requests entry of house code, number of room zones to be administrated as well as date and time.

Set the house code HC:00 with the control wheel.

Confirm with the **PROG** button.

Set the number of room zones 1-10 with the control wheel.

Confirm with the **PROG** button.

Set the year with the control wheel.

Confirm with the **PROG** button.

Set the month with the control wheel.

Confirm with the **PROG** button.

Set the day with the control wheel.

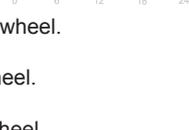
Confirm with the **PROG** button.

Set the hour with the control wheel.

Confirm with the **PROG** button.

Set the minute with the control wheel.

Confirm with the **PROG** button.



2 - Setting room zone, room zone temperature, heating & saving times (time programme)

Press button **PROG** once.

Setting the room zone:

R0 appears + set flashing room number 01:10.

Press button **PROG** again. Heating symbol ☀ flashes.

Set the heating temperature with the control wheel. Press button **PROG** again.

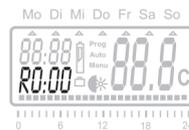
Saving symbol ☾ flashes.

Set the saving temperature with the control wheel.

Confirm with the **PROG** button.

Now you are requested to set your own time programme.

In the time programme you can set 2 heating and 2 saving periods for each weekday.



2.1 - Setting the time programme

The weekdays are numbered by 1-7 (1= Monday to 7= Sunday). An arrow in the display marks the current day.

Press the **PROG** button. Select day or day block with the control wheel. Confirm with the **PROG** button.

Set the beginning of the 1st heating period with the control wheel. Confirm with the **PROG** button.

Set the beginning of the 1st saving period with the control wheel. Confirm with the **PROG** button.

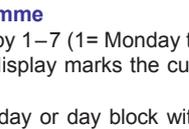
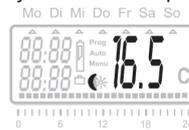
Set the beginning of the 2nd heating period¹ with the control wheel. Confirm with the **PROG** button.

Set the beginning of the 2nd saving period¹ with the control wheel. Confirm with the **PROG** button.

Conclude the process with the **AUTO/MANU** button or select the next week day or day block.

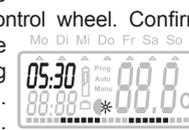
Days not programmed by the user= factory setting is active.

¹If you do not want to programme these days, confirm with "--".



2.2 - Temperature display of the control

After having finished all setting, the LCD display shows the room temperature (thermometer function) as well as date and time.



3 - Further Settings

Master- economy (saving) function ☾

With the button ☾ all radiator thermostats are set to the respective economy temperature. This function stays active until the next switch point.

☾ and MANU are shown in the display.

Master heating function ☀

With the button ☀ all radiator thermostats are set to the preset heating temperature.

This function stays active until the next switch point. ☀ and MANU are shown in the display.

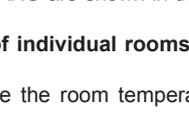
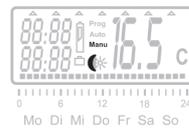
Changing the temperature of individual rooms / manual override

This function allows to change the room temperature without changing the programmed saving and heating periods.

Select the room zone by turning the control wheel.

☾ and ☀ are flashing in the display. Press the button ☀ or ☾ for the desired selection. The selected symbol stops flashing. After 10 seconds the control accepts it.

With the start of the next programmed automatic saving or heating period Sparmatic premium returns to automatic mode.



Child lock ☹

This functions locks all buttons of the thermostat controls! Adjustment is only possible by the radio control unit. Enable/disable the function with the ☹ button.

Bloc appears in the displays of the individual thermostats and the control.



3.1 - Holiday function

The ☐ button allows you to set a lowered temperature during the holidays. Press the ☐ button.

The date flashes in the display. Select the end of your holiday function with the control wheel. (= automatic heating periods start).

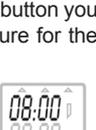
Press the ☐ button again and the corresponding time flashes (= start of the automatic heating time).

After pressing the ☐ button you are requested to set the desired temperature for the holiday period.

Press the ☐ button again and the function is active. The symbol ☐ appears in the display.

Disable the holiday function by pressing the ☐ button.

The holidays temperature is shown at the thermostat controls. You can change the temperature manually at the thermostat control if the child lock ☹ is not active.



Cancel programming ESC

To break during the programming and/or to return to the initial state press the **ESC** button.

4 - Change administrative settings

Press the **SETUP** button to change these settings. Now you start again with setting time and date (s. „Initial setting of the control“).

Replacing the batteries

If the battery symbol appears in the display the batteries need to be replaced by new ones. Always replace both batteries at once.

Ensure that the polarity is correct!

Dispose old batteries according to WEEE 002/96/EG. Never put them into the household waste!

Note:

If you change the place of the devices ensure that the radio transmission works properly. If the thermostat controls receive no radio signal for more than 60 minutes **FU FE** is shown in the display.

5 - Setting the thermostat control

Inserting the batteries

Open the battery compartment and insert 2ignon alkaline batteries (LR6, AA, AM3). **Do not use rechargeable batteries!**

Ensure that the polarity is correct! Incorrect inserted or leaking batteries can destroy the Sparmatic premium. It is necessary to replace the batteries if the symbol bAtt is shown in the display.

After a battery replacement or a break in the power supply Sparmatic premium starts an automatic adaption.

5.1 - Setting the thermostat control

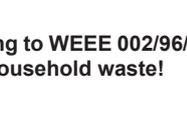
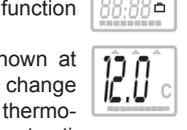
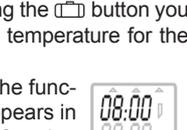
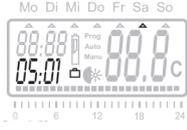
Now you are requested to enter the house code and the room zone number in the thermostat control.

00:00 appears in the display. The first two numbers are set to the respective house code (00:07). You set the room zone with the last two numbers (00:10).

Confirm with the **PROG** button.

An adaption is running now. After the adaption the display stays empty. The setting are selected with the control wheel and confirmed with the **PROG** button.

With the control wheel you can "overwrite" the programmed temperature until the next switch point. The buttons **☐** and **☐** are inactive.



Sparmatic premium works like a standard control without any radio function if you enter 00:00 as combination for house code and room zone and confirm with the **PROG** button. Then you are requested for date and time. All values are set according to the enclosed manual for the Sparmatic basic. This device runs as a stand-alone-solution. All operation elements are active. Press the **AUTO/MANU** button for more than 5 seconds to involve the device into your radio system. 00:00 appears in the display to re-enter house code and room zone.

5.2 Adjusting temperature to local conditions / temperature-setup

Often the perceived temperature significantly deviates from the set thermostat temperature, for example due to spatial distance to the thermostat. For this reason you should execute a temperature set up that is specifically adapted to your room situation. To do so press the **PROG** button for 5 seconds. The house code appears in the display. Press the **PROG** button again for 5 seconds. 0.0° appears. Now set the desired temperature increase at the Sparmatic premium control. Confirm with the **PROG** button. The temperature shown in the LCD display does not change!

6 - Mounting

Sparmatic premium can be easily mounted on all common valve bodies. It can be installed without grime and water spots, because the heating circuit water is not interrupted. Loosen the fastening of the old thermostat head, pull the thermostat head off of the valve.



Select an adapter if necessary:

Adapters are required for some valve types. Prior to mounting, select the appropriate adapter as shown in the adapter table. If you require an adapter: Push the adapter onto the valve and turn it until it noticeably clicks into place. If the adapter is fitted with a screw, tighten the adapter with the screw.

The instruction Inst is shown in the display. Sparmatic premium can be quickly and easily mounted with a single hand movement. Hand-tighten the union nut until the device is firmly fixed on the valve body.



7 - Adapting

Press any button and Sparmatic premium will start to adapt. The device will adapt itself to the stroke of your valve body. To do this the valve will now be opened and closed several times to learn the end points. In some cases this process can take a few minutes. During this adaptation process ADAP will be shown in the display.



After successful adaptation Sparmatic premium returns to normal mode. Now it is ready to receive its programme from the control.

8 - Cleaning and used devices

Cleaning

To clean the thermostat 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 you local administration.

Data transmission

For the data transmission between the radio control and the thermostat control a particularly reliable radio transmission system is used (868 MHz). Owing the statutory regulations requiring the data transmission to be limited to max. 36 seconds per hour (1% duty-cycle) the likelihood and risk of interference with other radio services is minimized.

The data transmission to the individual thermostat control is carried out in regular time pattern. Thus it can take up to 15 minutes for the data signal to get transmitted to the individual thermostat control.

Help

Problem	Cause	Solution
Batt	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?	Remove the Sparmatic premium, move the valve stem back and forth per hand or with a tool.
E1	No adaptation possible.	Is the installation OK?
E2	Valve stroke is too short.	Open and close the valve several times manually or replace the batteries.
E3	Motor movement is not possible.	Does the valve stem move freely??
FUFE	No radio transmission between the thermostat control and the radio control for more than 60 minutes.	Check the conditions on site. The position of the radio control may need to be changed.

Adapter table

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

Additional adapter types are listed at www.eurotronic.org

Konformitätserklärung

Declaration of Conformity

Wir **EUROtronic Technology GmbH,**
We **Südweg 1, 36396 Steinau**

erklären, dass das Produkt

declare that the product
elektronischer Heizkörperthermostat Sparmatic
electronic radiatorcontroller Sparmatic
auf das sich diese Erklärung bezieht, mit folgenden Normen übereinstimmt

to which this declaration relates is in conformity with the following standard

International
International EN 55022: 2006
EN 55024: 1998 + A1: 2001 + A2: 2003
EN 55014-1: 2006
EN 61000-4-2/ 2001
EN 61000-4-3/ 2002+A1
EN 60950-1: 2006
EN 60730-1-1: 2000+ A1: 2004
EN 61000-4-2/ 2001
EN 61000-4-3/ 2001+A1
R + TTE Richtlinie 99/5 EG

They bear the CE mark.

Steinau, 30.10.07


Dieter Heiber

This declaration certifies agreement with the directives cited, however it does not contain any assurance of characteristics.

Guarantee

The guarantee period is 24 months and it starts on the date on which the product was purchased by the end user. Please keep the purchase receipt for the duration of the guarantee period; it must be submitted for a guarantee claim. This product has been manufactured using state-of-the-art production processes and in addition it has been subjected to rigorous quality controls. Nevertheless if defects should occur during the guarantee period, please contact us at the address listed below. After the guarantee period all upcoming repairs are with costs. Your legal rights are not restrained by this guarantee. Please note that shipments of goods, return shipments, and other shipments can only be accepted if postage/shipping charges are prepaid in full.

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