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BEARWARE Elektrobock Socket Thermostat User Guide

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BEARWARE Elektrobock Socket Thermostat User Guide




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Usage and safety instructions

- Please read the user manual completely and thoroughly before using the product for the first time. The manual contains important information for your safety as well as for using the product.
- Keep the user manual for future reference and pass it on when giving the product to others.
- Note all the additional warnings on the product and in this user manual.
- Use the product only for the intended purpose as described in this user manual. Improper use could lead to hazards.
- If you do not use the product as intended or use it incorrectly, no liability can be accepted for any resulting damage.
- Remove the packaging material and check if the device is in proper working condition before using it.
- This product should not be used near water, such as a bathtub, washbasin, swimming pool, etc., where there is a risk of immersion or splashing.
- Children should be supervised to ensure that they do not play with the product.

-  **Warning!** In the interest of child safety, do not leave any packaging components (plastic bags, cardboard, polystyrene, etc.) lying around. Danger of suffocation!
- Check the product for damage each time before use.
- If product is visibly damaged, it must be checked, repaired or replaced by a qualified technician and disposed of in accordance with the applicable guidelines.
- Never continue to use a damaged or defective product!
- This product conforms to the technical standards and relevant safety instructions for electrical devices.

Thank you for choosing a BEARWARE product. Please read the following user manual carefully so as to be able to get the most from the product you have purchased.

Before using the product, first check that the delivered item is complete, accurate and undamaged.

Scope of delivery

- Socket thermostat
- User manual

Technical data

Power supply	230 V/ 50 Hz
Output power	3680 W / 16 A
Adjustable temperature range	5°C to 35°C
Measurement accuracy	± 0.5°C
Stand-by consumption	< 0.3 W
Protection class	IP20
Display type	Reflective 1.5" (3.8cm) LCD
Backup memory	EEPROM
Battery type	3.6V 40mAh NiMh battery (internal)
Dimensions (L x W x H)	approx. 140 mm x 70 mm x 89 mm

Functional properties

- Internal temperature sensor (NTC)
- Simple operation (5 keys)
- Programming option for 7 days
- Adjusting the various activation programs (day of the week, time)
- Adjustable daily program
- Room temperature display – Anti-frost function
- Manual and automatic mode – In-built child safety

Additional information about this device

- Do not operate in covered condition!
- Do not connect in series!
- Use this product only in dry and covered areas. Ensure that the device is not damaged and does not come into contact with water or other liquids.
- To ensure safety at all times, please read the safety instructions carefully!
- The device cannot be used to lower the room temperature!

Functional scope

The programmable socket thermostat is suitable for controlling the room temperature using heating devices such as electric heaters or radiators, thanks to an exact-degree switching.

The device is a temperature-dependent switching socket, which measures the actual room temperature and regulates it up to the individually adjustable set point value.

3 different heating modes can be programmed with different temperatures. In automatic mode, the socket thermostat measures the current room temperature in the specified period and automatically switches the connected heaters on or off, in order to maintain the desired room temperature. The device comes with an individually adjustable 7-day programming. Up to 24 activation times can be adjusted per day.

The socket thermostat also comes with frost protection. The connected device is switched on when the room temperature drops below the previously adjusted value. The anti-frost function can be used regardless of whether any other activation times are programmed, or the device is in standby. The EEPROM memory function retains the adjusted temperature data even if the power fails or the power is disconnected.

Initial use

Take the device out of the package and remove all the packaging material. Check that the product and the components are intact and that the device is working properly when using it for the first time. Connect the thermostat to a properly installed socket. The device is then ready for use.

Details





1. Switch on/off
2. Reading the room temperature by pressing for 3 seconds



Selector switch “+” to increase the temperature or, alternatively, change the current value in the setting menu



Selector switch “-” to reduce the temperature or alternatively, change the current value in the setting menu



1. Mode change by pressing briefly
2. Basic heating mode settings (default) by pressing for 3 seconds



Adjusting the time, day and program



Parameter setting (Press for 3s in the off state)

Advanced parameter settings

Note: First, carry out the basic settings (chapters 8, 9 and 10), before changing the advanced parameter settings.

Press the “**M & +**” keys simultaneously in the switched off state to access the parameter setting. You can access the respective parameters (01-07) using the “**M** key”. If you want to adjust the setting, you can do so using “**+**” and “**-**”.

Number	Element	Range
1	Temperature calibration Used to calibrate the room temperature	-9°C to 9°C
2	Maximum temperature limit Defines the adjustable temperature upper limit	5°C to 35°C
3	Minimum temperature limit Defines the adjustable temperature lower limit	5°C to 35°C
4	Anti-frost Activation temperature for frost protection	5°C to 10°C
5	Response range: Accuracy	0.5 – 2°C
6	Heat protection	0: Off/1: ON
7	Software version	

Note: To calibrate the temperature, take another thermometer as the temperature reference and compare the measured temperatures. Press the “**M & +**” keys simultaneously in switched off state. Start with parameter 1. You can now calibrate the temperature of the thermostat using the “**+**” and “**-**” keys.

Basic heating mode settings




Note: The settings define the target temperature. If the measured ambient temperature is below the adjusted value of the mode, the socket thermostat is activated, until the target temperature is reached or the mode/target temperature is changed.

First adjust the target temperatures of the heating modes. The temperatures can be adjusted as follows:

Switch the device on using the “**ON/OFF**” key. Then press and hold the “**M**” key for 3 about seconds. The comfort mode is displayed (Figure 1, page 9). Change the temperature setting using the “**+**” and “**-**” keys.

By pressing the “**M**” key again, you can change to the power saving mode settings (Figure 2, page 10), and vacation mode (Figure 3, page 10). Even here, you can change the temperature using the “**+**” and “**-**” keys.

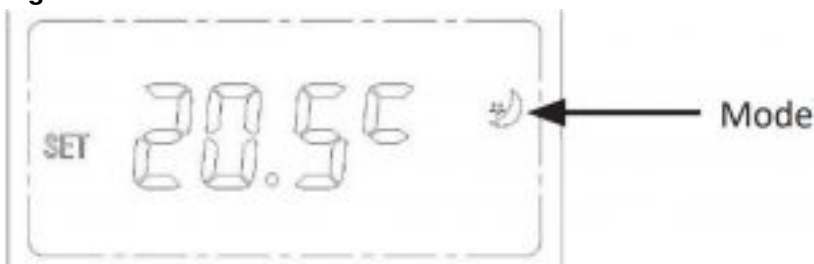
After making the settings, you return to the main menu.

Symbol	Mode
	Comfort mode
	Energy saving mode (ECO Mode)
	Holiday mode (optimal for adjusting a temperature for long durations of absence)

• **Figure 1**



• **Figure 2**






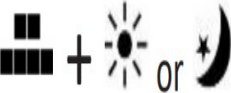
• **Figure 3**



Operating modes

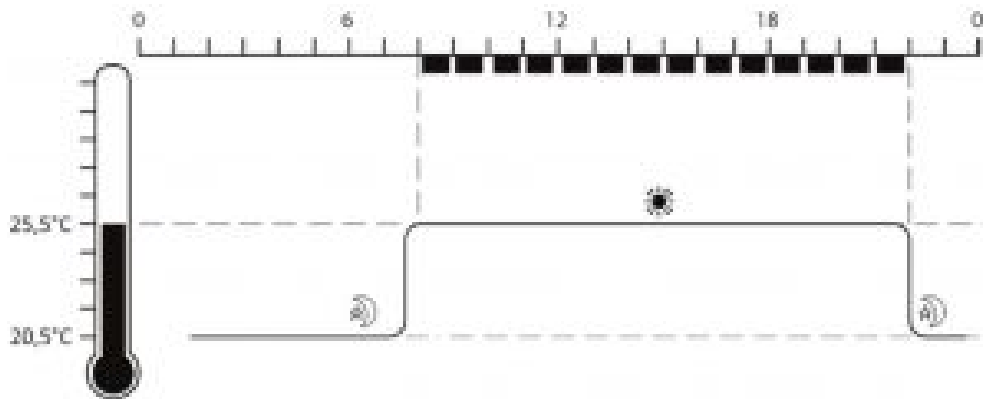
The following table shows all the thermostat modes. The modes can be activated/ changed by briefly pressing the “**M**” key.

The target temperature can be temporarily changed using the “+” and “-“ keys. The basic settings are not overwritten. The temperature remains active until the mode is changed or a new switch-over is programmed in automatic mode.

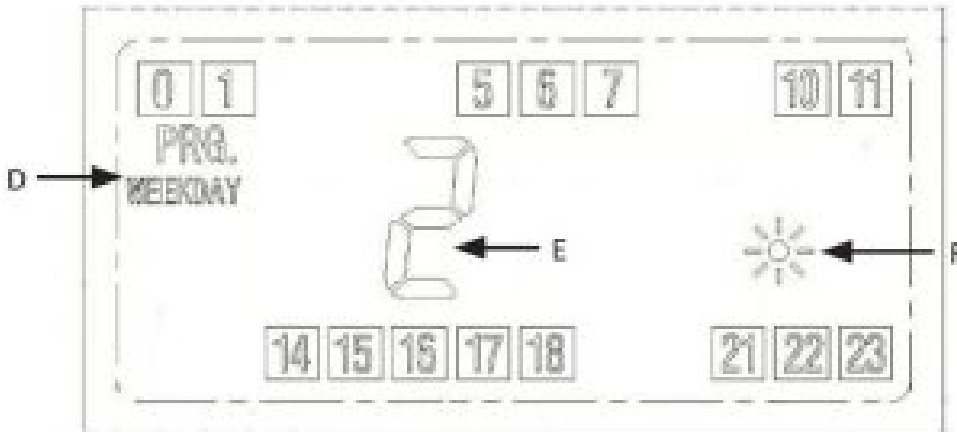
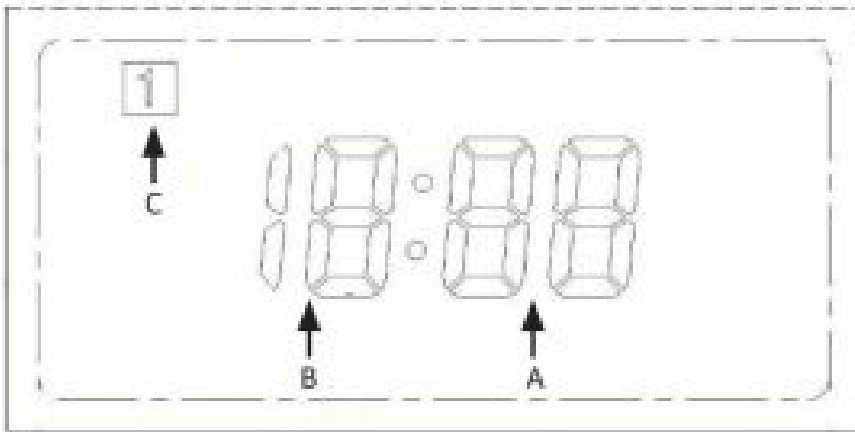
Symbol	Mode
	Comfort mode – Thermostat activated depending on the target temperature
	Energy-saving mode (ECO mode) – Thermostat activated depending on the target temperature
	Holiday mode – Thermostat activated depending on the target temperature
	Automatic mode (Configuration = see chapter 10 of this user manual)

Example:

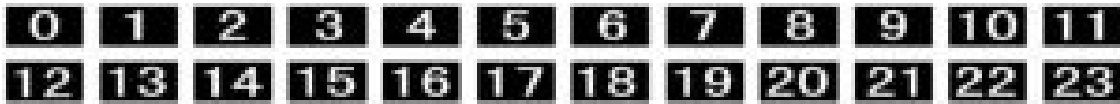
The following diagram shows a heating curve as an example. The comfort mode is active from 8:00 to 22:00. The power saving mode (ECO Mode) is active from 22:00 to 8:00.



Programming – Automatic mode



The thermostat provides the option of configuring the heating mode depending on the day of the week and the time. One temperature mode (power saving mode or comfort mode) can be adjusted for each hour.



The target temperature should be configured in advance (see page 9 in the chapter 8 “Basic heating mode settings”).

Warning: Read this configuration section completely before you start the programming. The program closes automatically after about 25 seconds.

1. Switch the device on, press and hold the “P” key for about 3 seconds.
2. The configuration starts with the current time setting and the day of the week.
3. The value to be adjusted starts flashing. You can change the values using the “+” and “-” keys. You can go to the next menu item using the “P” key.
4. Adjust the minutes (A) and hours (B) of the current time. Then, the day display (C) at the top starts flashing. This sets the current day of the week (Monday-Sunday) using the numbers 1 to 7. 1 = Monday, 2 = Tuesday, 3 = Wednesday, etc.
5. By pressing the “P” key again you can program the activation times. This is indicated by the text “PRG. Weekday (D) “.
6. The programming starts with Monday as the day of the week. This is apparent when the number 1 (E) is displayed. Configure the desired heating modes for every hour (0 – 23) of this day of week.
7. Each program begins with the hour 0 of 24 ” **0** “.
8. Adjust the heating modes (comfort or ECO) using the “M” key which you want to start at 0:00-0:59. Using the “+” key, you can toggle through the hour to be configured, until you reach the hour at which you want to change the mode.
9. Change the mode and toggle through the hours until the next heat mode change. You can individually configure every hour from 0-23 hrs.
10. The hours in which the comfort mode is active are shown symbolically on the display. Hours in which the power

saving mode (ECO Mode) is active remain open.

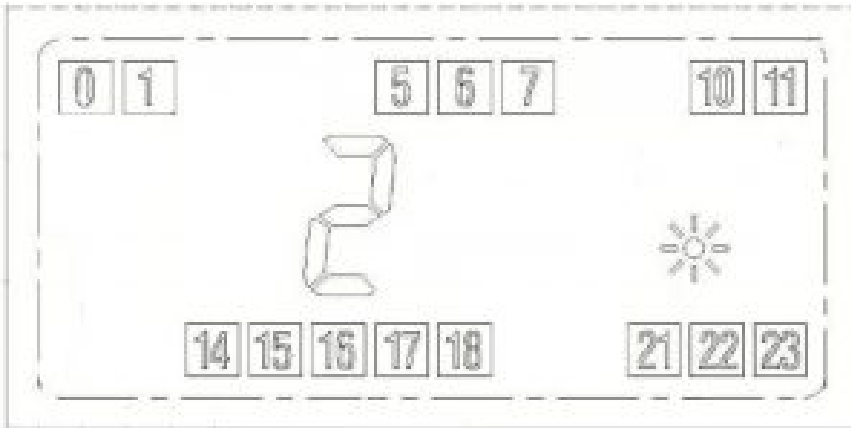
11. By pressing the “P” key, you can access the configuration of the next day of the week – The number (E) changes.
12. Repeat the programming as described above for each day of the week.

Note: Before configuring, it is advisable to note down the times (start time and end time + mode, which needs to be activated) and then carry out the configuration using the notes.

The device automatically stores the programmed values. The configured data is retained even in the event of power failure or power disconnection.

Example:

The following diagram shows Tuesday as an example. The comfort mode is active from 0:00 to 1:59, from 5:00 to 7:59, 10:00 to 11:59, 14:00 to 18:59 and from 21:00 to 23:59.



Cleaning Instructions

Clean the thermostat with a dry cotton cloth. Make sure that the product is switched off and completely disconnected from the mains. Never use any chemical cleaning agents. Never use liquids which could damage the surface of the product such as scouring milk.

Safety instructions and disclaimer

- Never try to open the device to repair or make modifications. Avoid contact with the mains voltage.
- Do not short-circuit the product.
- The device is not waterproof, hence please use it only in dry surroundings.
- Protect it from high humidity, water and snow.
- Keep the device away from high temperatures.
- Do not expose the device to sudden changes in temperature or strong vibrations, as this could damage the electronic components.
- Check the device for any damage before using it.
- The device should not be used if it was subject to impact or has been damaged in some other manner.
- Please comply with the local regulations and restrictions.
- Do not use the device for purposes other than those described in the user manual.
- This product is not a toy.
- Keep it out of the reach of children or mentally disabled persons.
- Any repair or modifications to the device, which is not carried out by the original supplier will void any warranty and guarantee claims.
- The device should only be used by those who have read and understood this user manual.
- The specifications of the device may be changed without prior intimation.

Disposal instructions

In line with the European WEEE directive, electrical and electronic devices should not be disposed of along with domestic waste. Their components have to be separately sent for recycling or disposal, because improper disposal

of toxic and dangerous components may permanently damage the environment. According to the Electrical and Electronic Equipment Act (ElektroG), you are obliged (as a consumer) to return (free of charge) all electrical and electronic devices to the manufacturer, the point of sale, or public collection points at the end of their service life. The relevant local laws regulate the details in this regard. The symbol displayed on the product, in the user manual or/and on the packaging refers to these regulations. With this manner of sorting, recycling and disposal of used devices, you make an important contribution towards protecting our environment.



The symbol of the crossed-out dustbin means that the battery may not be disposed of in household waste.

WEEE directive 2012/19/EU
WEEE Register no.: DE 67896761



The company WD Plus GmbH hereby certifies that the device 303583 / 20190219XM006 complies with the fundamental requirements and the other relevant stipulations of the directive. A complete conformity statement can be obtained from: <http://www.ganzeinfach.de>, WD Plus GmbH, Wohlenbergstraße 16, 30179 Hannover

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References

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