

BT710

User manual
Wireless thermostat



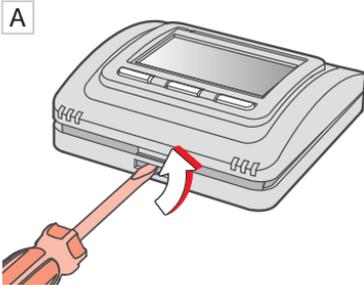


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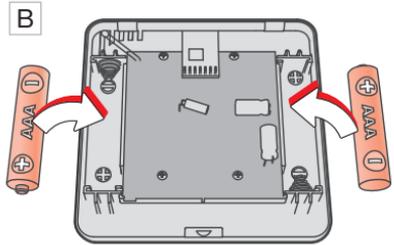
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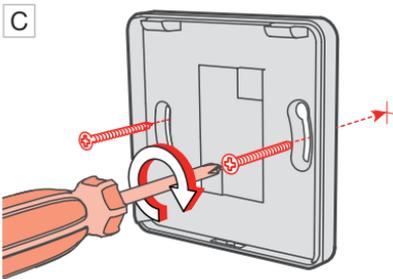
Installation



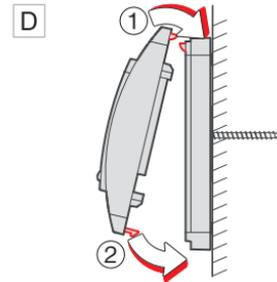
A Remove the transmitter's front cover.



B Insert 2 x 1,5 V AAA alkaline batteries.

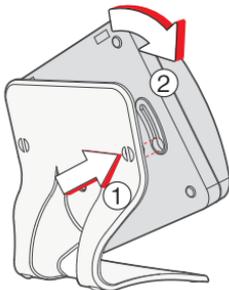


C Mount the back cover on the wall.



D Fasten the front cover on the back cover.

Free-standing Mount:



Slide the thermostat on the stand and secure it by turning it.

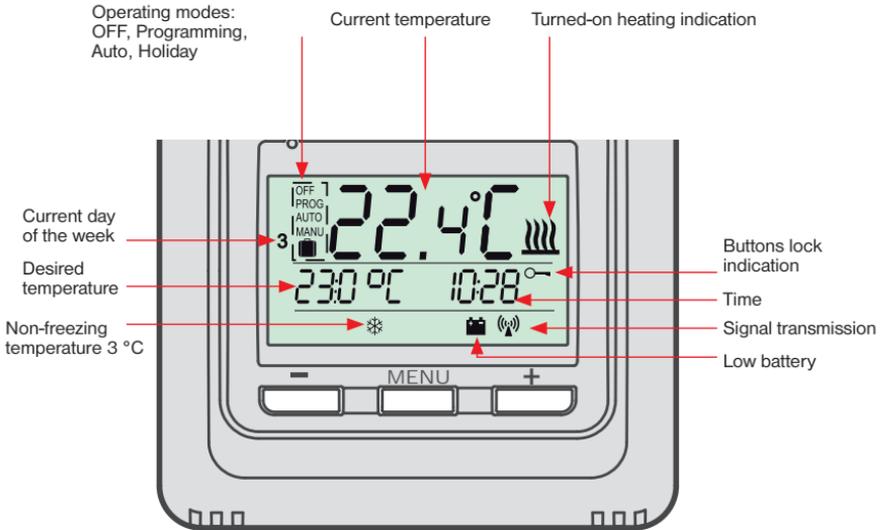
! Avoid places like: windowsills, televisions, PCs or devices with heat or cold emission.

! Always use only 2 x 1,5 V AAA batteries! (Do not use rechargeable batteries).

! Dispose of old batteries according to regulations for hazardous waste treatment!



Controls (overview)



Functions of the Controls



1. push

The first push of any button activates backlight.



2. push

a short push of the MENU button = **ENTER**

a long push of the MENU button (ca. 2 s) = **a step back**



Setting Time

A Basic view



2x **MENU**.

B AUTO or MANU appears



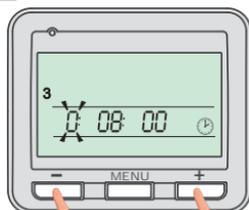
Using the **+** button, find „CLOC“.

C



Confirm by 1x **MENU**.

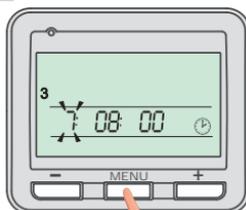
D



The hour indicator is flashing.

Set the current hour with the **+** / **-** buttons.

E



Confirm the setting by pushing **MENU** 1x.

F

Set minutes, seconds, day, month and year in the same way.

Confirm every setting with the **MENU** button.

G

To return to the basic mode, hold the **MENU** button long.



Pairing with Receivers

A Basic view



2x **MENU**.

B AUTO or MANU appears



Using the **+** button, find „CO_nSt“.

C



Push **MENU** 3x.

D



tEST 1- appears on the display.

E Shortly, for about 1 s, push the function button on the RECEIVER.



BT001 receiver

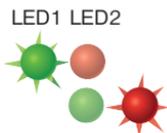


BT002 receiver



BT003 receiver

Both diodes will start flashing after pushing the FUNCTION BUTTON.

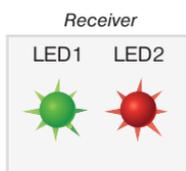


F



Send a signal to the receiver by pushing the **-** button.

G



Both LEDs turn on simultaneously several times and the output relay turns on and off multiple times. "rest On / test Off" appears alternately on the display of the thermostat.

Wait for about 10 s for the synchronization to finish.

NOW THE 1. RECEIVER IS PAIRED.

H

Do you wish to pair a 2nd receiver with this transmitter?

NO Push the **MENU** button long 2x to return to the basic view.

YES

Push the **+ +** button 1x and "tEst 2-" appears on the display.



Shortly push the FUNCTION button on the second receiver for about 1 s, after which both diodes will start flashing.



Send a signal to the second receiver by pushing the **-** button.

To return to the basic view, press **long 2x MENU** button.

! If the **Ertr (communication error)** message appears on the display, the learning process was not carried out correctly and the whole procedure has to be repeated.



Deleting a Receiver

- i** While using multiple receivers, individual receivers cannot be deleted.
Only all the receivers can be erased all at once.

A Basic view



2x **MENU**.

B AUTO or MANU appears



Using the **+** button,
find „COnt“.

C



Push **MENU** 3x.

D tEST 1A appears



Push **+** 9x.

E tEST dEL appears



Press the **-** button.

→ tEST 1- appears
on the display.

Now the receivers are
deleted from the thermostat.



Setting a Programme

A Basic view

2x **MENU**.

B AUTO or MANU appears

Using the **+** button, find "PROG".

C

Push **MENU** 1x.

D

P1 flashes on the display (= the first **one-week programme***).

Push the **MENU** button 1x.

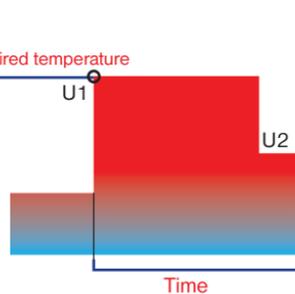
E

1 (= Monday) flashes on the right side. Using the **+** / **-** buttons, select day(s) to be programmed. Then push the **MENU** button 1x.

- 1 = Monday
- 2 = Tuesday
- ...
- 6 = Saturday
- 7 = Sunday
- 12345 = Mo-Fr
- 67 = Sa-Su
- 1234567 = whole week

F

U1 (1st temperature change) appears on the display. Set a temperature with the **+** / **-** buttons and confirm it with the **MENU** button.



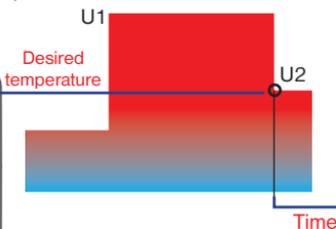
G

Set the time for this temperature using the **+** / **-** buttons.

Confirm it with the **MENU** button.

H**U2 (2nd temperature change)**

appears on the display.



Set a temperature with the **+** / **-** buttons and confirm it with the **MENU** button.

I

Set the time for this temperature using the **+** / **-** buttons.



Confirm it with the **MENU** button.

U3 now appears on the display to set a third temperature change.

Use the same method as for the setting of the previous temperature stages.

In this way, up to six temperature changes per day can be set.

After the setting is done, hold the **MENU** button **long 1x** to select other days of the week

or push the **MENU** button **long 3x** to return to the basic view.



In order for the thermostat to work according to the programme set, the **AUTO** operating mode has to be enabled.



You can find the process of setting the thermostat modes on page 12.



You can find an example of the process of setting a one-week programme on page 20.



Operating Modes

AUTO



In the AUTO mode, the thermostat works according to the set one-week programme.

MANU



In the MANU mode, the thermostat maintains one set temperature, until it is manually changed.

OFF



The thermostat is turned off.

i It is recommended to use the OFF mode when the heating season is not under way.

i Anti-freezing protection (3 °C) is still enabled.

OPERATING MODE CHANGE

A Basic view



B



The desired mode - **AUTO**, **MANU** or **OFF** - can be selected with the **+** / **-** buttons.

Confirm the selection of the respective mode with the **MENU** button.



Holiday Mode

The thermostat maintains a set temperature until a specified time and date.

A Basic view



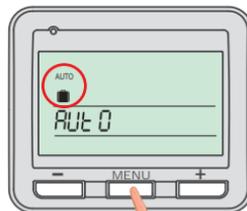
2x **MENU**.

B AUTO or MANU appears



Using the **+** button, find
AUTO or MANU .

C



Push **MENU** 1x.

D



Set the desired temperature for the holiday with the **+** / **-** buttons and confirm it by pressing **MENU** 1x.

E



Set the hour of the end of the holiday with the **+** / **-** buttons and confirm it by pressing **MENU** 1x.

F

Then set the minute, day, month and year of the end of a holiday and confirm the setting of each figure with the **MENU** button.

G

Then push the **MENU** button **long 1x** to return to the basic view.

H



The date of the end of the holiday appears on the display.



After the specified time, the thermostat will return to the previously set AUTO or MANU mode.

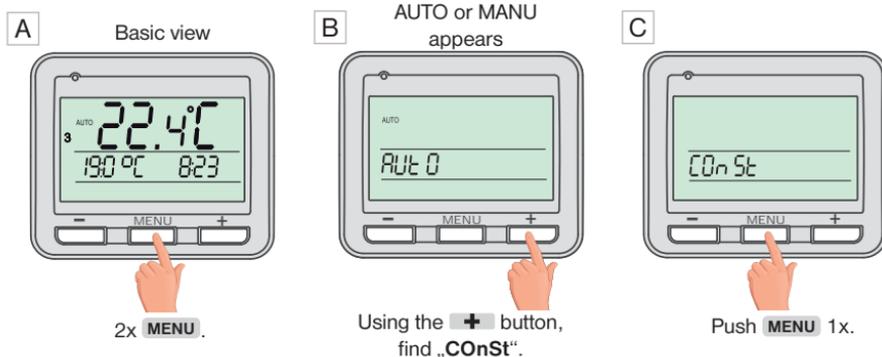
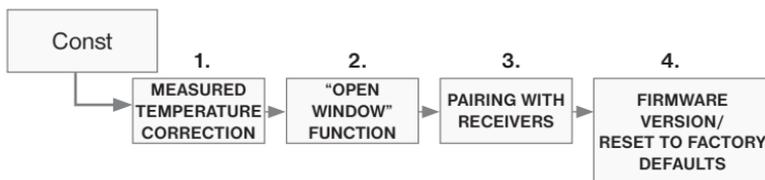


The Holiday Mode can be **deactivated** by selecting a different operating mode (see p. 12).



Setting Constants

Graphical depiction of constants:



D 1. Measured Temperature Correction (-5 °C to +5 °C)



This constant is used for the manual comparison of deviations between the real and the measured temperatures (this may be caused, for instance, by an inappropriate placement of the thermostat).



Set the appropriate value with the **+** / **-** buttons and confirm it with the **MENU** button.

E 2. "OPEN WINDOW" Function



If the temperature in the room drops suddenly by 1-2 °C in 2 minutes, the thermostat sends out a signal to turn off the heating appliances in order to save energy.

The thermostat returns to a normal mode as soon as the temperature rises again.

To activate this function, select the "y" symbol using the **+**/**-** buttons, and to deactivate this function, select the "—" symbol. Confirm by pressing the **MENU** button.

The activation of this function is indicated in basic view by the **OPEN** sign.



F 3. Pairing with Receivers

See page 7.

Confirm by pressing the **MENU** button.

G 4. Firmware Version/ Reset to Factory Defaults



Information about the firmware version appear under the constant 4.

If you push the **-** button **long** (for more than 3 seconds), the **RESET** message appears on the display and the thermostat returns to factory defaults.



All settings will be deleted by this!



Changing the desired temperature and programme, operating clock

When the AUTO mode is activ

A Basic view



2x the **+** button
or
2x the **-** button

B



The desired temperature figure will start flashing. The temperature can be changed with the **+** or **-** buttons.

C



A long push of MENU
= confirmation and **return back**.

A short push of MENU
= activation of another programme.

D



Another one-week programme can be activated with the **+** or **-** buttons.

A long push of MENU
= confirmation and **return back**.

A short push of MENU
= view the operating clock.

! A change of the desired temperature in the AUTO mode remains valid only until the next change in the programme.

E

Heating system operating clock



A long push of MENU
= **return back**.

i The counter can be reset by a long push of the **-** button for 3 s.

i Operating clock - example:

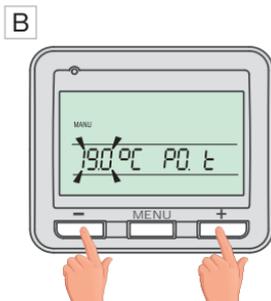


= 117 hours and 8 minutes

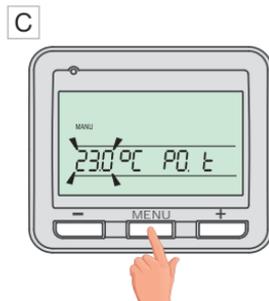
When the MANU mode is activ



2x the **+** button
or
2x the **-** button

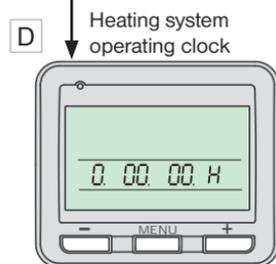


The desired temperature figure will start flashing. The temperature can be changed with the **+** or **-** buttons.



A long push of MENU
= confirmation and **return back**.

A short push of MENU
= view the operating clock.



A long push of MENU
= **return back**.

i The counter can be reset by a long push of the **-** button for 3 s.

i Operating clock – example:



= 117 hours and 8 minutes



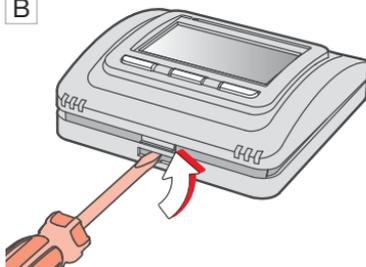
Changing Batteries

A



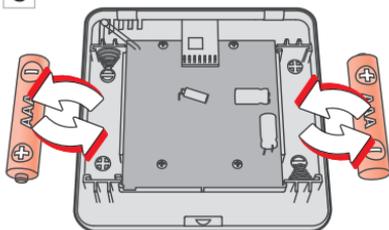
Low batteries are indicated by the  symbol.

B



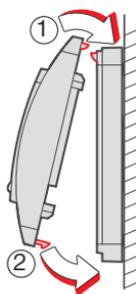
Remove the transmitter's front cover.

C



Insert 2 x new 1.5 V AAA microbatteries.

D



Fasten the front cover on the back cover.

! Always use 2 x 1.5 V AAA alkaline batteries!
■ (Do not use rechargeable batteries)

! Dispose of old batteries according to regulations for hazardous waste treatment!



Error Messages

Ertr



= Connection error.

The number after the Ertr message states which one of the receivers is not communicating with the thermostat (e.g. Ertr2 means that the second receiver is not communicating).

Possible solutions:

A. If the error occurred while pairing the receiver with the transmitter, repeat the pairing process – see p. 7.

B. The error occurred during normal operation after a certain period of usage:

Check if the  symbol indicating low batteries is not shown on the thermostat.

- If it IS, replace the flat batteries with new ones.
- If NOT, check if the green LED1 on the receiver is flashing or constantly shining.
 - If green LED1 is flashing, the code in the receiver was deleted and the pairing process has to be repeated – see p. 7.
 - If green LED1 is constantly shining, remove the batteries from the thermostat for 2 minutes and unplug the receiver for 2 minutes as well. Then insert the batteries back into the thermostat and plug the receiver in. After a short while, the devices should pair again.

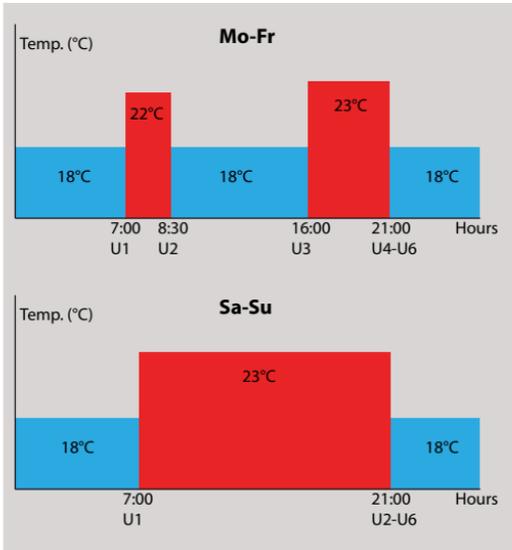


Tips

- 💡 When the heating season is not under way, it is recommended to enable the OFF operating mode – see p. 12.
- 💡 It is not recommended to remove the batteries from the thermostat while it is paired with a plugged-in receiver, as in this case the receiver will switch to a mode in which it will be ON for 2 minutes and OFF for 8 minutes regardless of the current temperature.
- 💡 It is also not recommended to leave a paired receiver unplugged, as in this case the thermostat will start transmitting a so-called Search Signal, which will cause a quick depletion of the batteries.
- 💡 A simultaneous push of the **MENU** and **-** buttons in the basic view = keys locked.
- 💡 A simultaneous push of the **MENU** and **+** buttons in the basic view = keys unlocked.



An Example of the Setting of a One-week Programme



Push the **MENU** button 2x and select the **PROG** mode using the **+** button.



Set **22 °C** using the **+** button.



Push the **MENU** button 1x.



Push the **MENU** button 1x. The time indication **0:00** is now flashing on the display.



P1 is flashing on the display (= the first one-week programme).

Push the **MENU** button 1x. A small number **1** (=Monday) is flashing on the display.



Set **7:00** using the **+** button.



Push the **+** button 7x. **1,2,3,4,5** (= Monday to Friday) is now flashing on the display.



Push the **MENU** button 1x.

U2 (2nd temperature change) appears on the display and **22 °C** is flashing.



Push the **MENU** button 1x.

U1 (1st temperature change) appears on the display and **19 °C** is flashing.



Set **18 °C** using the **-** button.

Push the **MENU** button 1x. The time **7:00** is now flashing on the display.



Set **8:30** using the **+** button.

Push the **MENU** button 1x.



U3 appears on the display and **18 °C** is flashing.

Set **23°C** using the **+** button.

Push the **MENU** button 1x.

The time **8:30** is now flashing on the display. Set **16:00** using the **+** button.

Push the **MENU** button 1x.



U4 appears on the display and **23 °C** is flashing.

Set **18°C** using the **+** button.

Push the **MENU** button 1x.

Set **21:00** using the **+** button.

Push the **MENU** button 1x.



U5 appears on the display. **Leave U5 unchanged.**

Push the **MENU** button 2x.



U6 appears on the display. **Leave U6 unchanged.**

Push the **MENU** button 2x.



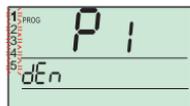
U1 appears on the display. Monday to Friday are set now.

Push the **MENU** button long 1x.

1,2,3,4,5 (Monday to Friday) starts flashing on the display.

Push the **+** button 1x.

6,7 (Saturday to Sunday) is now flashing on the display.



Note: We will set Saturday and Sunday in programme 1 as well. **P1 will be left unchanged.**

Push the **MENU** button 1x.

U1 (1st temperature change) appears on the display and **19 °C** is flashing.

Set **23 °C** using the **+** button. Push the **MENU** button 1x.

The time **0:00** is now flashing on the display. Set **7:00** using the **+** button.

Push the **MENU** button 1x.

U2 (2nd temperature change) appears on the display and **23 °C** is flashing.

Set **18 °C** using the **+** button.

Push the **MENU** button 1x.

The time **7:00** is now flashing on the display.

Set **21:00** using the **+** button.

Push the **MENU** button 1x.

U3 appears on the display. **Leave U3 unchanged.** Push the **MENU** button 2x.

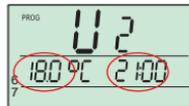
U4 appears on the display. **Leave U4 unchanged.** Push the **MENU** button 2x.

U5 appears on the display. **Leave U5 unchanged.** Push the **MENU** button 2x.

U6 appears on the display. **Leave U6 unchanged.** Push the **MENU** button 2x.

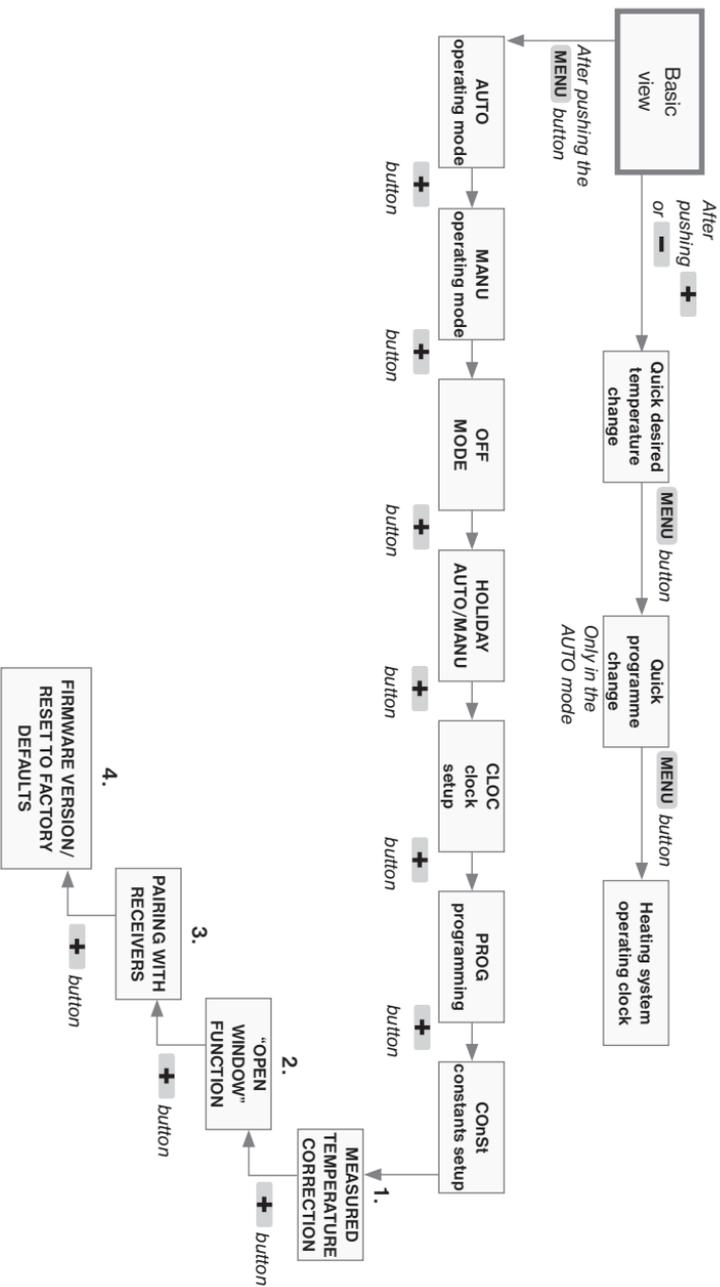
U1 appears again on the display. Saturday and Sunday are set now.

Push the **MENU** button **long 3 x** to return to the basic view.





Navigation Card



TECHNICAL SPECIFICATIONS	
Power supply	2 x 1.5 V AAA alcal. batteries
Type of communication	bidirectional
Vf output	< 10 mW
Frequency	433,92 MHz
Hysteresis	0,2 °C
Number of temperature changes	6 temperature changes per day
Min. programmed time	10 minutes
Temperature setup	increments of 0,5 °C
Temperature range	5-39 °C (non-freezing 3 °C)
Min. indication step	0,1 °C
Measurement accuracy	± 0,5 °C
Battery lifetime	heating season
Ingress protection rating	IP20
Working temperature	0°C to +40°C

EU DECLARATION OF CONFORMITY

Hereby, ELEKTROBOCK CZ s.r.o. declares that the radio equipment type BT710 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address www.elbock.cz.

WARRANTY CERTIFICATE (a 2-year warranty is granted for the product)	
Product number:	Date of sale:
Checked by:	Shop stamp:



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