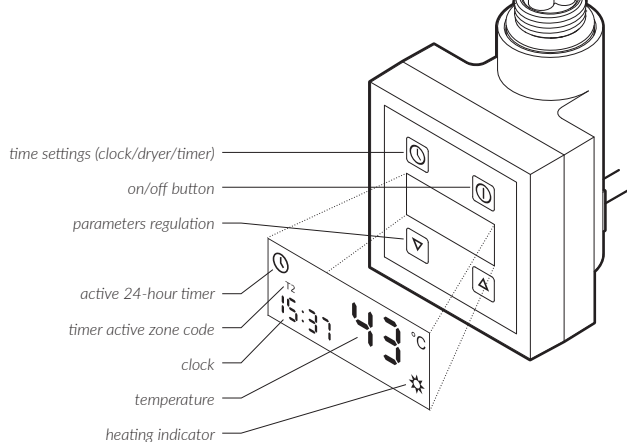


KTX 3



Heating element heats the radiator that it is installed in and, at the same time, controls its temperature. For temperature regulation please use buttons ▲ and ▼. LCD display panel shows current temperature measured inside the radiator. After settings have been modified, display panel will flash showing the newly set temperature for a few seconds and will go back to displaying current temperature. Heating indicator ☼ will come up on the display panel if the newly set temperature is higher than the current one. In order to see the set temperature, press one of the arrows on the display.

Construction of the device as well as physical characteristics of the heating agent inside the radiator influence the way in which the heat is distributed – the temperature of the bottom pipes of the radiator (especially the two located at the very bottom of the radiator) may be lower than the temperature of the remaining parts of the radiator – this is a normal phenomenon.

Turning the device on does not mean that it uses the same maximum power for the whole time it is on. On turning the device on, it op-



erates with the nominal power for a short period of time in order to heat up the radiator to the set temperature. After that it turns itself on and off periodically, using only as much energy as it is required to maintain the set temperature of the radiator for current external conditions.

Manual mode

Manually set operating temperature is continuously maintained until the next change of parameters or until start any of the automatic functions.

Dryer mode



The Dryer Mode allows to switch on the device for a set period of time i.e. to dry a towel. When the time is out, the heating element returns to its former settings mode.

In order to activate the dryer mode, press the . The shortest programmable dryer time is preset at 0,5 h. Each following press on the  extends the working time by additional 0,5 h, up to maximum of 4 hours (pressing the button again ends the dryer mode and the display shows the clock icon)

In the dryer mode, the heating temperature can be adjusted — the last temperature used in the dryer mode is memorised by the device. Any future start-up of the dryer mode will start operating with the last memorised temperature.

The small numerical display shows a countdown clock telling, how much time is left until the dryer mode ends. The large numerical display shows the temperature. Initially — the temperature set and after a short while — the actual temperature. (In order to see the set temperature, please press one of the arrows on the display). After dryer mode time runs out, the device returns to its former working mode (If the device was off before the dryer mode was started, the whole device will be switched off).




The dryer mode can be ended at any time with:

- the  button — only the dryer mode will end — press the clock button until the display shows 0 h,
- the  button — the whole device will be switched off.

Clock

Current time (hh:mm) is displayed both when the device is on and when it is off with an exception of the dryer activation time or when the device is being programmed.

Clock programming

Press both arrow buttons at the same time <i>Hour field will start flashing</i> Set the required hour using ▲ and ▼ Confirm it by pressing ○.	
<i>Minute field is flashing</i> Set the required minutes using ▲ and ▼ confirm it by pressing ○.	
<i>Set time is displayed.</i> Clock programming is finished.	

In case of a power cut, the device memorises last displayed time. If the hour shown on the display flashes, it may mean that the time shown is incorrect. Confirm the time by pressing any button or re-set the time.

24-Hour timer















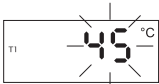




24-hour Timer enables specification of 4 different time zones (T1, T2, T3 and T4), which allow different temperature settings and, including periods when the device is switched off.

The start of every time zone is programmed subsequently from T1, T2, T3 to T4 (hour and minutes), and the temperature for every time zone is specified. The entire cycle is repeated every day on condition that the device is on and Timer is active.

Turning the device off does not delete the Timer settings. After turning the device back on with the ○ button the Timer will be activated with the clock settings from before the device was turned off.

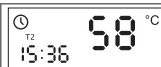
In order to deactivate the Timer press the ○ button for a while, use the arrows to set the Timer to OF and press ○ again (the device will switch to the Manual Mode).

Timer programming

Turn on the device by pressing 	
Press and hold  → button ON or OF will start flashing	
Activate (On) or deactivate (Of) the mode with the use of  and  . Confirm by pressing 	
Clock field is flashing on the display panel and T1 is on	
Set the START of the first time zone with the use of  and  . Confirm by pressing 	
Set the START of subsequent time zones T2 – T4 with the use of  and  . Confirm by pressing 	
Temperature field is flashing on the display panel and T1 is on.	
Set the required TEMPERATURE for T1 zone using  and  . Confirm by pressing 	
Set the required TEMPERATURES for the time zones T2 – T4.	
Confirm by pressing 	

Display panel is no longer flashing, TIMER icon and a relevant time zone code T(1-4) depending on current time are on


TIMER programming is finished.




Attention: When the 24 hour TIMER is on, the user can temporarily change the set temperature. When the TIMER starts its next pre-set program, all the manually changed settings will be cancelled.

While the 24 hour TIMER is on, it is possible to use the DRYER MODE – regardless of the current device status and the set program, the device will start operating at the DRYER MODE settings. When the DRYER MODE ends, the device returns to the 24 hour TIMER mode. (refer to DRYER MODE section).

Anti-freeze mode

When the device is switched off with  button (or when in 24 hour TIMER mode) and remains connected to the mains, it will switch itself back on automatically when the ambient temperature falls below 6°C, to prevent the heating agent from freezing. The display unit will show letters 'AF', until the anti-freeze mode finishes, which is when the temperature rises above 6°C.

Problem solving

Problem	Possible cause	Solution
Device is plugged in, LCD display is empty.	Problem with the connection.	Check the power wire connection, plug and the socket.
Device does not heat, E9 is flashing on the display panel.	Device signals malfunction, temperature sensor has been damaged.	Disconnect the device from its electric supply and wait until the radiator cools down, after that reconnect the device.
Device does not heat, E7 is flashing on the display panel.	Controller has been incorrectly installed on the heating element.	Check if the heating element head is hidden completely. Turn the screw off, press the controller towards the radiator and twist the screw again.
Radiator is cold, E6 is flashing on the display panel.	Device signals malfunction, overheating.	Check and confirm that the heating element's output does not exceed the recommended output of your radiator. Check and reduce the water temperature in the central heating system-must not exceed 82°. In electric-only version check if the radiator is properly filled with the heating agent.
Radiator is cold, no malfunction signal displayed.	The thermal fuse is damaged.	Disconnect the device completely and reconnect it.
Device is heating although it has been turned off with the  button.	Electronics damage.	Disconnect the device from its electric supply and wait until the radiator cools down, after that reconnect the device.
If the problem persists, please contact your local distributor.		