



Eco Climate Control

Intelligent comfort for radio control of surface heating and cooling systems.



Intelligent comfort with intuitive operation.

With **Eco Climate Control**, SAUTER sets a new standard for a comfortable wireless control of surface heating and cooling systems.

Eco Climate Control provides technologically advanced products that are very accurate and easy to use. With the incorporated intelligent comfort and smartphone functions, **Eco Climate Control** allows the user to operate and regulate the temperature of rooms of any kind – locally or via remote access.

The system offers a modern solution for single houses, apartment buildings, hotels or public spaces, whereby optimal comfort, easy operation and energy-efficiency are of paramount importance.

Intelligent comfort for a better quality of life.

Easy installation and commissioning.

Eco Climate Control is easy to install and to configure.

Communication between the devices is provided by a proven wireless technology. Individual channel buttons, each equipped with its own LED, allow for comfortable addressing, which can be tested by a single push.

The controller is designed to meet any possible requirements. However, carefully chosen factory settings minimise commissioning usually to a comfortable plug-and-play. If required, there are many additional functions that are easy to configure.

Intelligent comfort with easy and carefree installation and commissioning.

Intelligent, practical and integral functions.

Eco Climate Control is a practical and intuitive total solution, which fulfills the needs of modern room automation in a fast and reliable manner.

The advantages of the system:

Reliable 868-MHz-wireless technology: ideal for the use in renovation.

Bi-directional communication: therefore, only limited transmission power necessary.

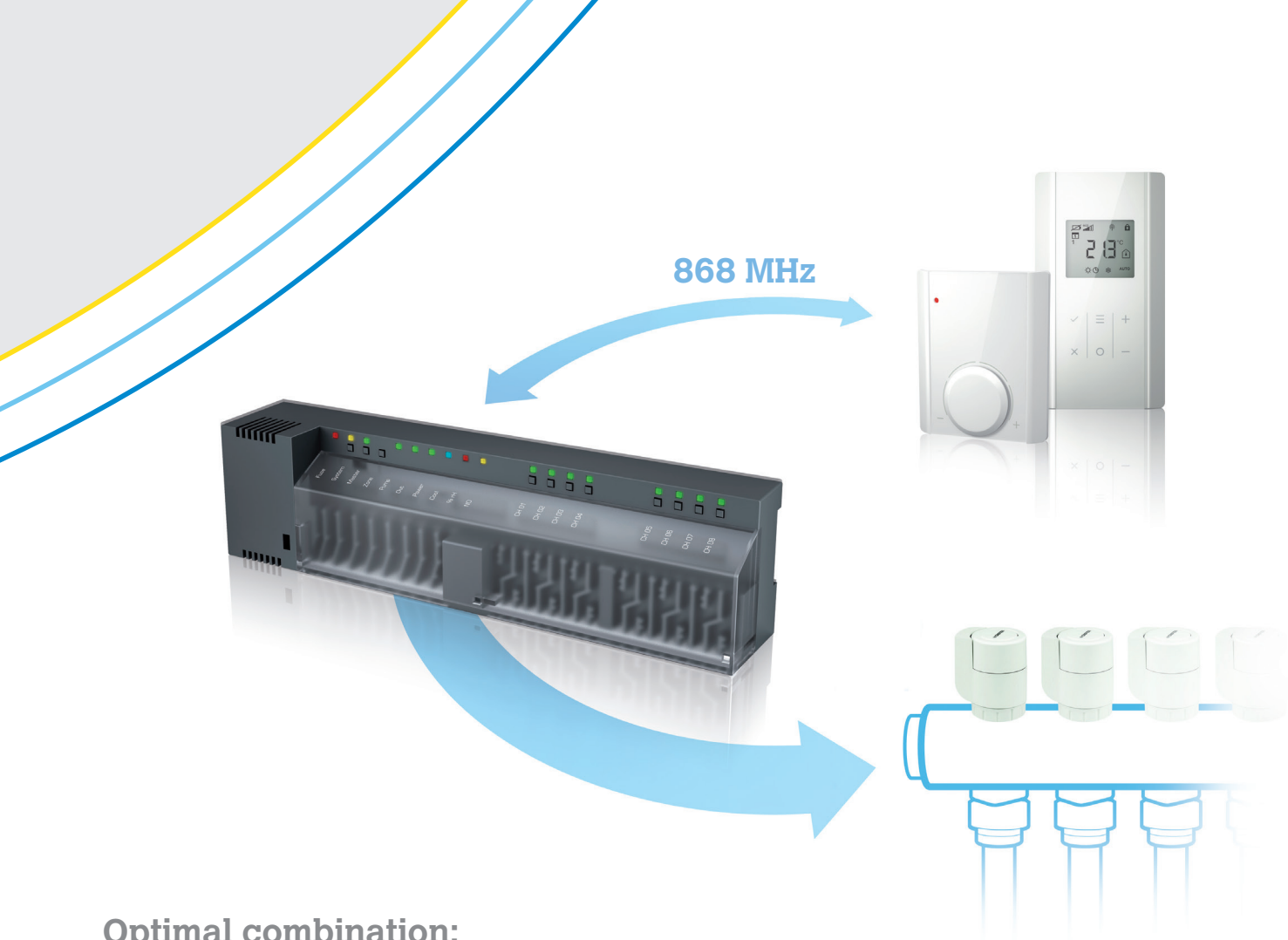
Room operating and configuration device in one: easy configuration of additional functions with the standard room operating unit.

Optimal display of information: room operating unit with a wide range of easily readable information, as well as radio controller with LED indicators for every function.

Comfortable operation: with modern sensor buttons.

Access at any time: remote control via smartphone.

Ready for the future: expandable via software update with a Micro SD Card.



Optimal combination: proven and versatile functions.

Eco Climate Control provides experts, installers, planners and OEM customers with an individually configurable and expandable total solution. Easy operation, intelligent control and modern actuator technology are linked together into an energy-efficient and sustainable system.

Most modern room operating unit

With the wireless room operating unit LRA4, your installation is easy to configure and to use. The advantages at a glance:

Design: flat design with modern sensor buttons.

Use: intuitive menu guidance, configurable function key, for example for party function or outside air or floor temperature.

Comfort: control of floor comfort with external floor sensor.

Energy consumption: standard AAA batteries with long lifetime thanks to the self-adaptable radio signal strength as well as sleeping mode.

High-performance radio controller

The LET4 radio controller is the most intelligent and secure solution for an optimal energy use. The advantages at a glance:

Communication: internal - between several radio controllers via wireless or Bus (RS485); external - LAN interface for smartphone or PC use.

Energy efficiency: pre-configured, individually customisable time programs.

Emergency operation: in case of loss of radio signal between the radio controller and the wireless room operating unit.

Anti-blocking function: for pumps and underfloor heating manifolds.

Auto-adaptable thermal drive

The AXT2 adapts itself to every heating manifold:

Low-force installation: also after a disassembly.

Versatile use: with its automatic closing dimension compensation, it can be installed without any accessory on almost every heating manifold manufacturer in the market.

Position indication: large, tangible and 360° visible.

Combined energy-efficiency: the radio controller's specially designed pulse width modulation provides energy savings while running thermal drives.

The Eco Climate Control is the total solution for your intelligent comfort.

Eco Climate Control

Remote comfort control

For a more efficient and effective use, Eco Climate Control can be operated with a special application through WLAN or web.



Smartphones and tablets make your installation complete.



App available for iPhone and Android smartphone.



The application of wireless technology

A practical and functional solution



With the development of new wireless communication technology radio signals are constantly evolving. Our environment has changed dramatically: from remote control for TV and roller shutters, up to wireless data transmission. Wireless technology has become an inseparable part of our everyday life.

During the development of Eco Climate Control Systems, SAUTER has put a great deal of effort into the reduction of the radio transmission power in order to safeguard users and their environments.



868 MHz, the ideal frequency with responsibility. SAUTER's wireless technology builds on bidirectional communication. This enables radio signals to be securely transmitted at a minimum transmission power: for sustainable applications in residential areas.

In comparison with a customary DECT phone, Eco Climate Control requires only an average transmission power of around 0,01%.



Eco Climate Control
Intelligent comfort



Room thermostat

Version	Colour	Power supply	Display	Sensor	Operation
LRT410RK104	White	Battery 2 x 1,5 V	Without	°C	Rotary knob



Room operating unit

Version	Colour	Power supply	Display	Sensor	Operation
LRT410RK104	White	Battery 2 x 1,5 V	With	°C	Sensor button
LRA420RK124	Black	Battery 2 x 1,5 V	With	°C	Sensor button
LRA450RK104	White	Battery 2 x 1,5 V	With	°C + % rh	Sensor button
LRA450RK124	Black	Battery 2 x 1,5 V	With	°C + % rh	Sensor button



Radio controller

Without LAN-Interface	With LAN-Interface	Supply voltage		Channels	Max. number of thermal drives
		230 V ~	24 V ~		
LET4104RK100	LET4204RK100	•		4	6
LET4108RK100	LET4208RK100	•		8	12
LET4112RK100	LET4212RK100	•		12	18
LET4104RK102	LET4204RK102		•	4	6
LET4108RK102	LET4208RK102		•	8	12
LET4112RK102	LET4212RK102		•	12	18

Eco Climate Control is constantly evolving and will be supplemented in the future with accessories such as a 1-channel controller, an I/O-box for supply water temperature control, humidity control, etc. The latest version of these extensions can be found on our website.



Accessories

Version	Designation	Power supply
LXR470RF100	Repeater	Plug-in power supply included
0450231001	Active antenna	Supply via wireless controller
0450573001	Transformer	230 / 24 V, 42 VA

For more information about Eco Climate Control:

www.eco-climate-control.com