

## The technology used in the radio-controlled temperature-control system. At a glance.



### LRT radio thermostat

Available in two versions:-

#### For 24 V receiver

- Intelligent room-temperature controller with temperature sensor, data storage and analysis.
- Sends temperature value.

#### For 230 V receiver

- Electronic room-temperature controller with temperature sensor
- Sends on/off commands

#### General specifications

- Frequency: 868.3 MHz
- Band width: 9 kHz
- Transmitting power: < 50 µW
- Range: approx. 50 m
- Temperature range: 5...30°C
- LED indicator for transmission
- LED for 'Low battery'. Back-up display: two months
- Power supply: two LR03 standard batteries
- Battery life: 3 years
- Version for the authorities, with internal setpoint adjustment



### LXT240, LXT250\* radio remote-control unit for operating modes (with 24 V receiver only)

- For 4 or 5\* operating modes:-
    - Automatic mode
    - Comfort
    - Reduced
    - Frost protection
  - Data, radio and power supply as for LRT
- \*with cooling



### LXT340 programmable radio remote-control unit (with 24 V receiver only)

- Display with cover
- Display:-
  - Day, time
  - Temperatures (set/actual)
  - Control status
  - Status of programmed time zones
  - Copy daily programme to another day
- Five-position knob:-
  - Automatic mode
  - Comfort
  - Reduced
  - Frost protection
  - Cooling mode
- Four zones can be set
- Wall bracket and desktop base



### LET receiver, 868.3 MHz, 230 V or 24 V

- For 4, 6 or 8 channels
- Triac output
- Receiver internal or external (24 V only)
- Two status LEDs (red/green) per channel
- Pump output: 230 V, 2.2 A
- Frost protection and emergency mode
- Degree of protection: IP43
- Cord grips available as an accessory
- Accessory for fitting to top-hat rail
- Option: heating/cooling module (24 V only) with contacts output



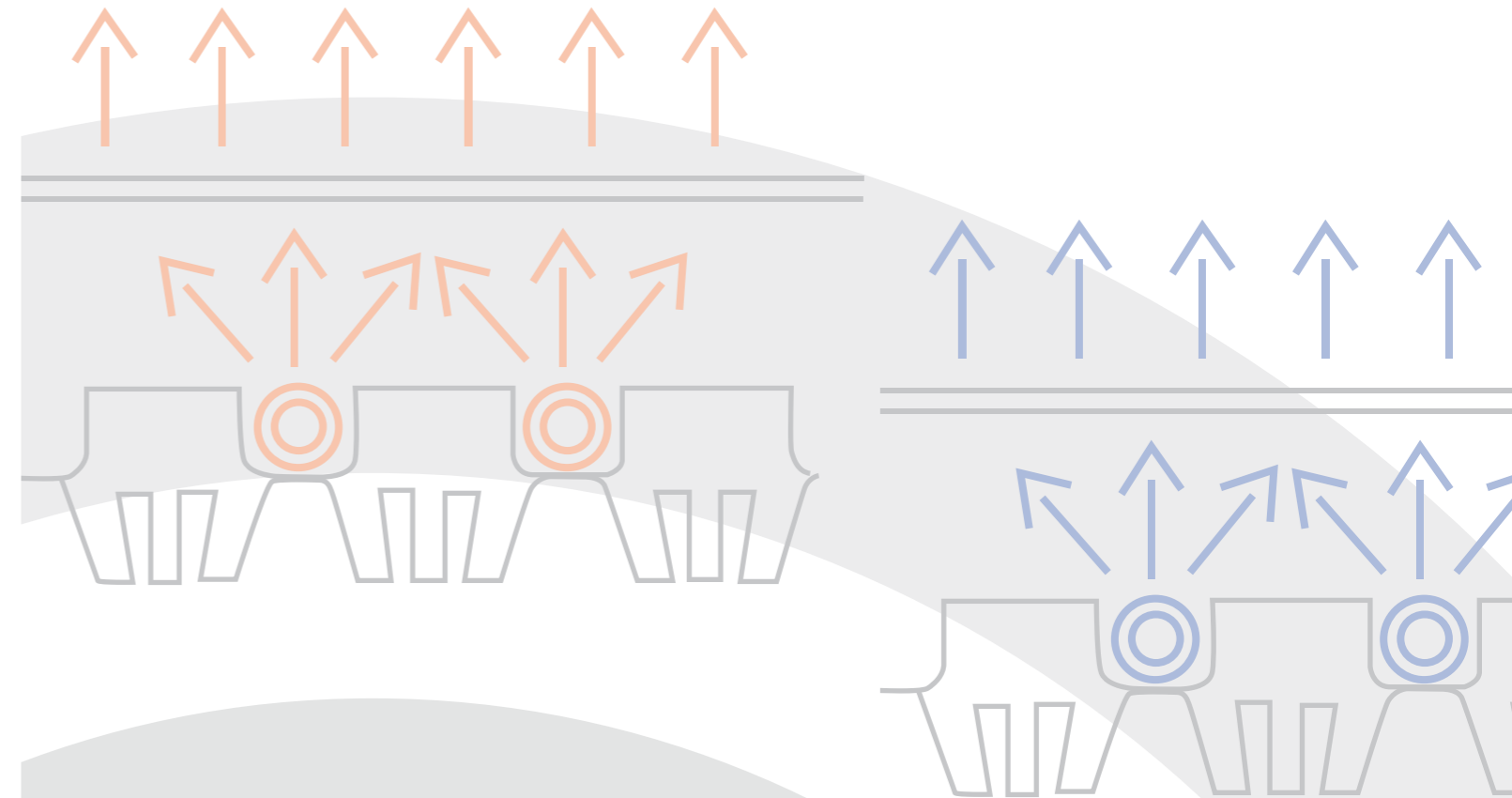
### AXT105/111 thermal drive, 24 V or 230 V

- Spring force: 125 N
- Stroke: 4.5 mm
- With positioner
- For fitting to common heating-circuit distributors



### EGH102 dew-point monitor

- Stops the operating cycle in the event of condensation
- Fitted directly to pipe
- Fast response time
- Power supply 24 V via the receiver



**Radio-controlled temperature-control system for underfloor heating. Easy to install and operate. Can also be used for cooling.**



# The radio-controlled temperature-control system is versatile and can be used in either new buildings or refurbishments – and it saves time and money in every case.

**With Sauter's temperature-control system, you have at your disposal an energy-saving system that is easy to install and put into service. The radio communication between the room units and the receivers, with the drives in the distribution cabinet, makes wiring unnecessary.**

This saves not only time and, therefore, money, but also provides greater flexibility when designing a heating system: the room units can be fitted in the optimum location without any building work being necessary. It's often only this simplicity of installation that makes it possible at all to re-equip or refurbish some existing systems. Thanks to the inherent flexibility of Sauter's radio-controlled temperature-control system, up to eight zones can be regulated.

The design of the room units can be customised (assuming the order placed is large enough) so as to match a particular interior décor, for example.

The radio control system works at a frequency of 868.3 MHz and can be employed for 230 V or 24 V models. It is possible to use a manual or programmable radio remote-control unit in the 24 V version. This allows the

user to select the operating mode or set the time program.

Encoded (and patented) signal transmission ensures that the system works optimally at all times. The transmitting

power of the room units is much less than that of a mobile telephone. The receiver can be fitted to a DIN rail, has degree of protection IP43 and can control up to four thermal drives per channel.



LRT210 radio thermostat



LRT210 radio thermostat



Radio thermostat, version for the authorities (also for 24 V receiver)



LRT310 radio thermostat



LXT240 (4-position)/LXT250 (5-position) manual remote-control unit



LXT340 programmable remote-control unit



LRT310 radio thermostat



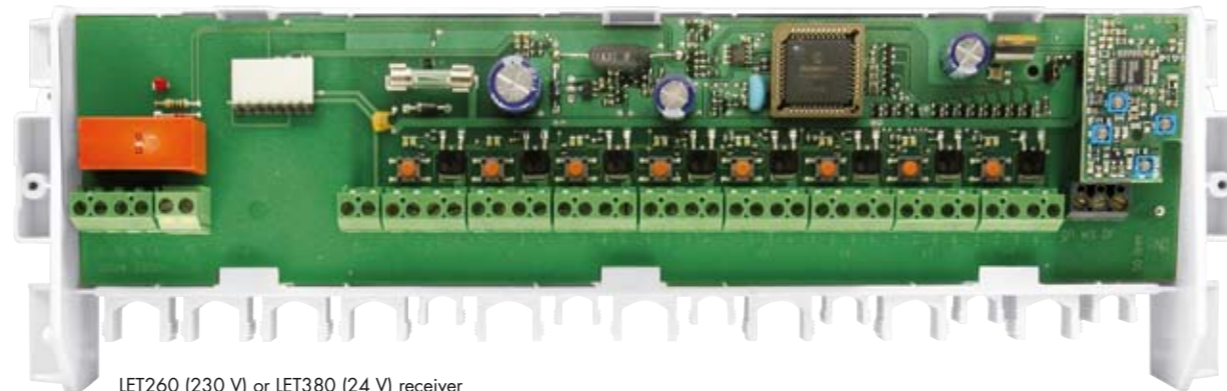
LXT240 (4-position)/LXT250 (5-position) manual remote-control unit

**The 230 V standard system: simple, reliable and inexpensive.**

**Easy-to-use, intelligent 24 V radio system. Saves energy by identifying irregular room conditions.**



LET210 single-channel receiver  
 – Can be fitted in a recessed junction box  
 – Degree of protection IP55 (in the junction box)  
 – 5 A (NC) or 10 A (NO) contacts  
 – For four drives



LET260 (230 V) or LET380 (24 V) receiver  
 The receiver for 4, 6, or 8 channels that is fitted in the distribution cabinet is linked with the drives and receives the control data from radio thermostats or from a radio remote-control unit (24 V version only)



AXT105/111 thermal drive, 230 V



AXT105/111 thermal drive, 230 V



AXT105/111 thermal drives, 24 V



Heating/cooling function module for controlling the chiller (c/o output)



EGH102 dew-point monitor for preventing condensation in cooling mode.



230 V/24 V power supply unit (20 VA/50 VA)



External receiver for use in areas with poor reception