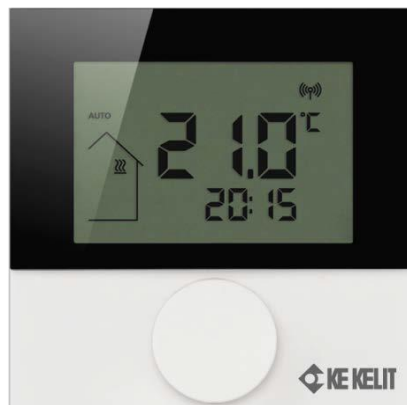


## KM692K KELOX BUS room thermostat - Digital

The **KELOX BUS system** is the intelligent individual room control unit of the future for maximum comfort and energy efficiency for surface temperature control

The control unit of the system is the **KM692K KELOX BUS room thermostat - Digital** in a modern design. With comprehensive functionality for access to all room-specific and system-specific parameters, as well as precise temperature recording, it allows the set-up of perfectly coordinated individual room control for maximum user comfort. Via the bus connection, it ensures the bi-directional data interchange with the **KM693 bus connection unit** for the retrieval of numerous status messages, as well as their display on the large, clearly laid out display. It is operated using a rotary knob with a push-turn mechanism and fine detent, as well as the clearly laid out, language-neutral indicator of the high-quality display.



### Performance features

- Flat design and small dimensions (86 mm x 86 mm x 26.5 mm)
- Self-explanatory, language-neutral operation and user guidance
- Large, clearly laid out LC display with backlighting (60 mm x 40 mm)
- High-quality design disk made of scratch-resistant plastic
- Fast, delay-free data communication via bus connection
- 3 menu levels (lifestyle functions, parameters and service) for more safety
- Limitation of the adjustment range of the room temperature
- Adjustment range 5 ... 30 °C
- High-quality design
- Permanent display of room temperature, system time and operating state
- Comfortable operation with a rotary knob (push-turn mechanism) with fine, dynamic catch)

The KE KELIT product quality ensures easy, intuitive installation, operation and maintenance of the entire system.









### Function









For the convenience of the user and for energy optimisation, numerous system functions and parameters can be set using the room control unit. A three-section menu structure (lifestyle functions, parameters and service) guarantees that no important settings are accidentally adjusted – even a separate reset of parameter and service levels to factory settings is possible. The area for installers (service) is also protected against unauthorised access with a PIN code.

### Displays

The KELOX BUS room thermostat - Digital shines with a functional, language-neutral display. The internationally understandable symbols guarantee intuitive operation.

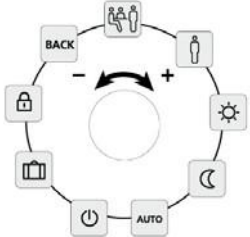
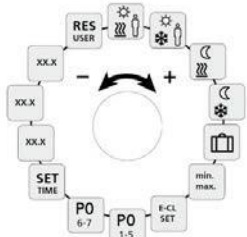


- |   |                        |
|---|------------------------|
|  | Lifestyle functions    |
|  | parameters             |
|  | Service                |
|  | Error signal           |
|  | Child lock active      |
|  | Controller deactivated |
|  | Automatic mode active  |
|  | Daytime mode active    |

- |   |                                  |
|---|----------------------------------|
|  | Night mode active                |
|  | Condensation set                 |
|  | Cooling mode active              |
|  | Heating mode active              |
|  | Presence active                  |
|  | Party function active            |
|  | Minimum floor temp. fallen below |
|  | Holiday function active          |

### Use

The rotary knob enables convenient navigation through the intuitive menu structure of room control unit. By turning to the right or left, switching takes place between various functions, by pressing the rotary knob, these are activated, deactivated and selected for further parameterisation. The fine detent of the rotary knob always provides a high-quality feel, from which the navigation is perceptible for the user. Among others, the following functions/parameters are available in the three menus.

Lifestyle functions	Parameter	Service
 <ul style="list-style-type: none"> <li>Party function for hour-by-hour deactivation of the temperature reduction.</li> <li>Presence for use of the heating time programs from the weekend also non working days (e.g. in case of sickness or holiday at home)</li> <li>Daytime, night, automatic operating modes</li> <li>Switch-off of the room temperature controller and consequently the regular operation (the frost protection mode is activated automatically)</li> <li>Holiday mode for lowering to a pre-defined holiday temperature and consequently saving energy</li> <li>Child lock for protection from accidental adjustment and incorrect operation</li> </ul>	 <ul style="list-style-type: none"> <li>Selection of pre-defined lifestyle time programs (any desired change possible using online parameterisation tool)</li> <li>Separate selection of the desired temperature for various programs, such as daytime/night, ECO and holiday</li> <li>Setting of the floor temperature (floor sensor required)</li> <li>Limitation of the adjustable room temperature</li> <li>Date &amp; time for the entire system</li> <li>Display of the software versions of the room control unit, base station and web interface of the base station</li> <li>Reset of the user parameters</li> </ul>	<ul style="list-style-type: none"> <li>protected from third-party access with PIN code (1234)</li> <li>Individual, optimum coordination of the system using system parameters, such as <ul style="list-style-type: none"> <li>Setting of the heating system used for each zone (e.g. underfloor heating, radiator, convector, etc.)</li> <li>Blocking of switch outputs based on the activated operating mode (heating/cooling)</li> <li>Active heating/cooling switching</li> <li>Activate/deactivate Smart Start function</li> <li>Define activation locks with/without PIN</li> <li>Set correction of the actual value recording</li> <li>Global switch-over of the direction of operation of the system (currentless-open / currentless-closed)</li> <li>Set frost protection temperature</li> <li>Block heating/cooling for individual zones</li> <li>Switch between Fahrenheit/Celsius</li> <li>Set numerous pump/boiler parameters</li> </ul> </li> </ul>

### Comfort programs – Smart-Start/-Stop mode

Comfort programs contain pre-defined heating times, which can be used for working days (1-5) or the weekend (6-7). Outside of the heating times, the system switches to night mode (reduction mode). Select the comfort programs in the Parameter menu.

The **Smart-Start/-Stop mode** of the system calculates the required lead times, so that the required temperature is available at the start and end time of the heating programs.

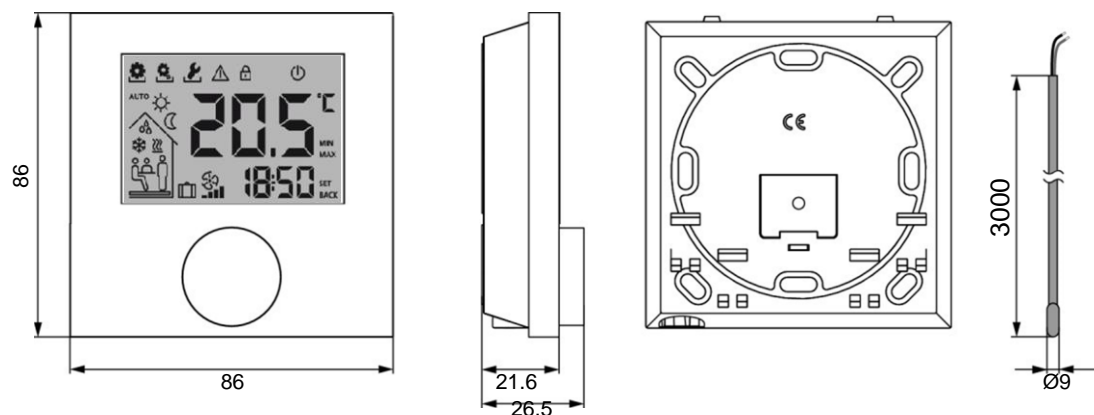
Program	Comfort time 1	Comfort time 2
P0	05:30 – 21:00	–
P1	04:30 – 08:30	17:30 – 21:30
P2	06:30 – 10:00	18:00 – 22:00
P3	07:30 – 17:30	–

You can create individual comfort programs using the web interface at [www.ezr-home.de](http://www.ezr-home.de) and transfer them to the receiver using a MicroSD card.

### Technical data

Type designations	KM692K
Article number	5881520
Power supply	24 V ... 35 V (via rmBUS)
BUS connection [rmBUS]	protected against polarity reversal
Connection wire	RoomBUS (2-wire connection)
Maximum wire length of BUS connection	500m
Possible wiring type of the room devices	Line, tree and star topologies
Connection possibility for optional remote sensors for floor temperature monitoring	KM699 optionally available
Degree of protection/protection class	IP20 / III
Permitted ambient temperature	0 to 50 °C
Permitted ambient humidity	5 to 80 %, non-condensing
Storage/transport temperature	-10 °C to +50 °C
Standards and regulations	EN60730-1 / EN60730-2-9 / ElektroG, or RoHS conformity
Material	ABS (housing, base, rotary knob) / PMMA (disk)
Colour	RAL9010 (pure white)
Outer dimensions	86 x 86 x 21.6 mm / 26.5 mm
Weight	90 g
visible range of display	40 x 60 mm
Adjustment range of desired temperature specification	5 to 30 °C
Resolution of desired temperature specification	0.2 K
Measurement range of actual temperature recording (int. sensor)	0 ... 40 °C
Measurement precision of internal NTC	±0.3 K

### 3.1 Dimensions

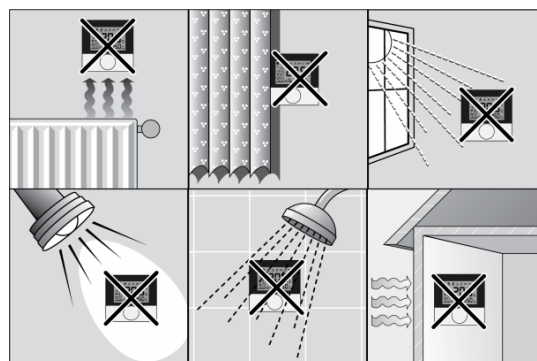
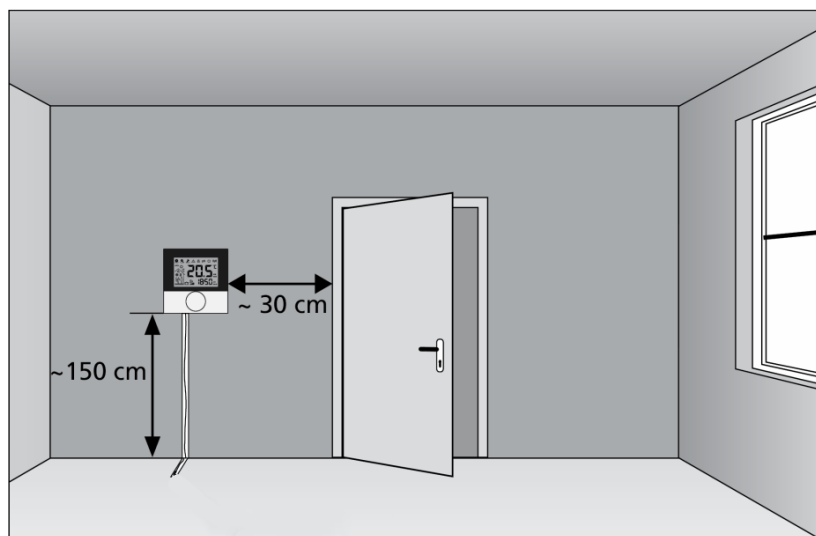


Dimensions KM692K KELOX BUS room thermostat - Digital (details in mm)

### Installation instructions

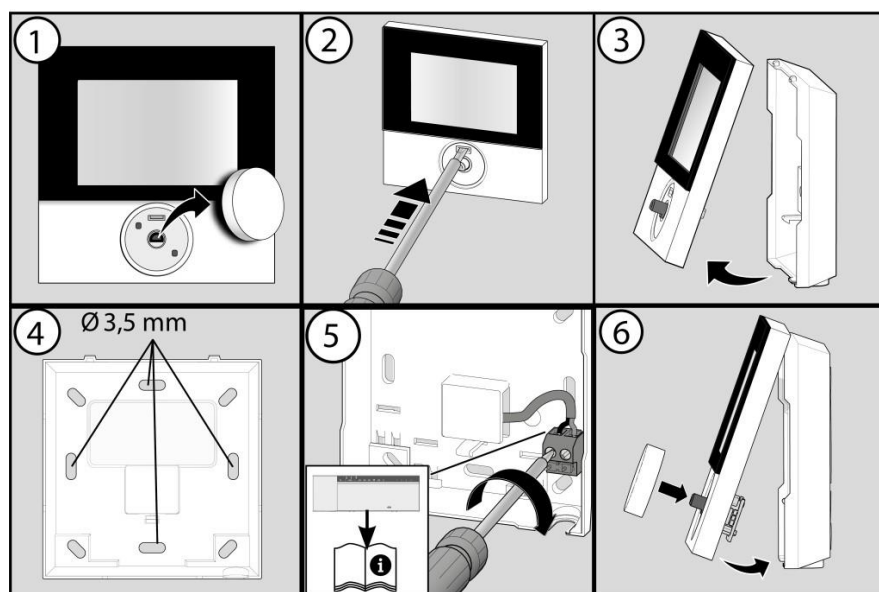
#### Requirements

The connection to the KM693 KELOX BUS connection unit 24V takes place via the RoomBUS of the system (2-wire connection). The maximum wire length is 500 m for bridging even large distances. The wiring of the room control units with the base station can optionally take place in the line, tree and star topologies.

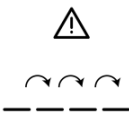








#### Assembly

The assembly of the room thermostats takes place conveniently as surface-mounting or on a flush-mounted socket with only a few quick steps.



### Troubleshooting

Display	Meaning	Possible correction
	Connection to the connection unit interrupted	<ul style="list-style-type: none"> <li>▪ ? Room thermostat paired.</li> <li>▪ ? Room control unit tries to establish a connection with the connection unit.</li> <li>▪ Check power supply of the connection unit.</li> <li>▪ If defective, contact your electrical installer.</li> </ul>
	Room thermostat not paired	<ul style="list-style-type: none"> <li>▪ Pair room control unit again.</li> <li>▪ Contact your electrical installer.</li> </ul>
	Connection unit switched off	<ul style="list-style-type: none"> <li>▪ Reconnect the power supply to the base station.</li> <li>▪ If defective, contact your electrical installer.</li> </ul>
 Err 0001	Internal temperature sensor defective	<ul style="list-style-type: none"> <li>▪ Replacement necessary, contact your electrical installer.</li> </ul>
 Err 0002	External temperature sensor defective	<ul style="list-style-type: none"> <li>▪ Replacement necessary, contact your electrical installer.</li> </ul>
 Err 0005	Connection unit not found, in spite of successful pairing	<ul style="list-style-type: none"> <li>▪ Check power supply of the connection unit.</li> <li>▪ Pair room thermostat again.</li> <li>▪ Contact your electrical installer.</li> </ul>
 Err 0006	Communication interrupted between receivers	<ul style="list-style-type: none"> <li>▪ Check power supply of the connection unit.</li> <li>▪ Contact your electrical installer.</li> </ul>

Additional information at [www.kekelit.com/control](http://www.kekelit.com/control)