

Operation manual

Room Controller Universal
Ref.-No. RCD 20xx



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Funktion
The room controller RCD 20xx combines the functionality of an universal push button and a room temperature sensor. Beside it the device indicates the temperature on the LC display.
Functional range of the push button part
Each button can be programmed separated: switching • toggling • dimming (single level or two level dimming) • shutter/blind control (single level or two level control) • value transmitter • Brightness value transmitter (0 - 1500 Lux) • Light mood recall with and without memory • Saving light mood • presence push-button for thermostat • Set temperature offset adjustment • block function • Status LED for each push button with separate objects
Functional range of the temperature sensor part
The temperature sensor is used to control single room temperature. It is possible to choose a steady control or a two step control application to control an <i>instabus</i> switching or heating actor in connection with an electrothermic device. Depending on settings of continuous PI control, switching PI control, two step control or switching two step control • heating and/or cooling with manual or automatic switching and collective or parted actor outputs possible • two step heating and cooling operation • five operation modes with the respective set value • comfort extension or operation mode changes through presence push button • freeze/heating protection • temperature drop detection • external controlled objects for comfort mode, freeze and heat protection and control lock-out • control status, set value and actual value through <i>instabus</i> EIB accessible • set value adjustment of max. ± 6 K through push button and software possible • lock-out of the control elements to protect against unauthorised adjustments

System information

This unit is a product of the instabus-EIB-System and corresponds to the EIBA Guidelines.

Detailed technical knowledge acquired in instabus training courses is a prerequisite for the understanding of the system.

The functions of the device are software-dependent.

Planning, installation and commissioning of the device are effected with the help of EIBA-certified software (ETS2 version 1.2a or 1.3).

For the RCD-software and technical descriptions please refer to the internet at www.jung.de offering up-to-date information.

Mounting- and safety advices



Attention

Electrical equipment must be installed and fitted only by qualified electricians and in observance of the applicable accident prevention regulations. Any non-observance of the fitting instructions may cause fire or other hazards.

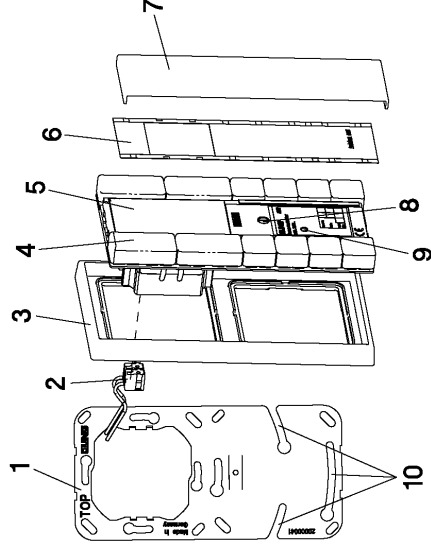
Connection and mounting of the RCD 20xx

Der Raum-Controller verfügt über einen integrierten Busankoppler. Der Anschluss erfolgt über eine Anschlussklemme (2).

1. Metal plate (1) to be mounted on one or two vertically arranged wall boxes. When using only one box, the lower part has to be screwed via the fixing holes (10).
2. Attach the frame (3) to the RCD.
3. Connect the bus terminal (2) at the back side.
4. Attach the RCD (4) and frame (5) on the metal plate (1).
Notice: Do not pen in the terminal wires.
5. Screw on the fixing screw (8).
6. Remove the protection foil (5) from the display
7. Put on the transparent cover (7) with the inscription foil (6) to the RCD.

The programming mode is activated by pushing the programming button (9)

Note: Do not mount the device next to heat sources due to the influence of the integrated temperature sensor.



Operation

The room controller has two operation modes.

Operation level 1

In operation level 1 all push buttons have the parameterised function. The LCD can display either the actual temperature, the actual set-temperature of the continuous regulator, the actual time or the actual date.



In the default setting, the push button on the left and right side of the display serve the presence and the set-temperature adjustment.



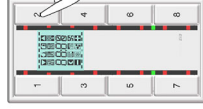
According to the needs, the default setting can be changed to the full function of an universal push button.



Switching-over between comfort-temperature

and

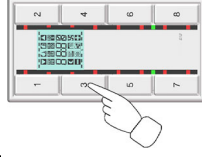
standby-temperature



Adjusting the comfort-temperature:

Left push-button: lower the comfort-temperature

Right push-button: raise the comfort-temperature



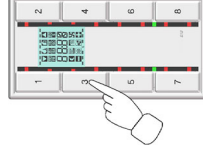
or



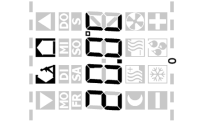
Operation level 2

Via long push button action (> 3s) of push button 1+2 the device switches over to the 2nd operation level. In this operation level the set-values of the continuous regulator and the contrast of the LC-Display can be adjusted.

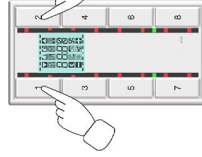
Scroll through the menu using push buttons next to symbols.



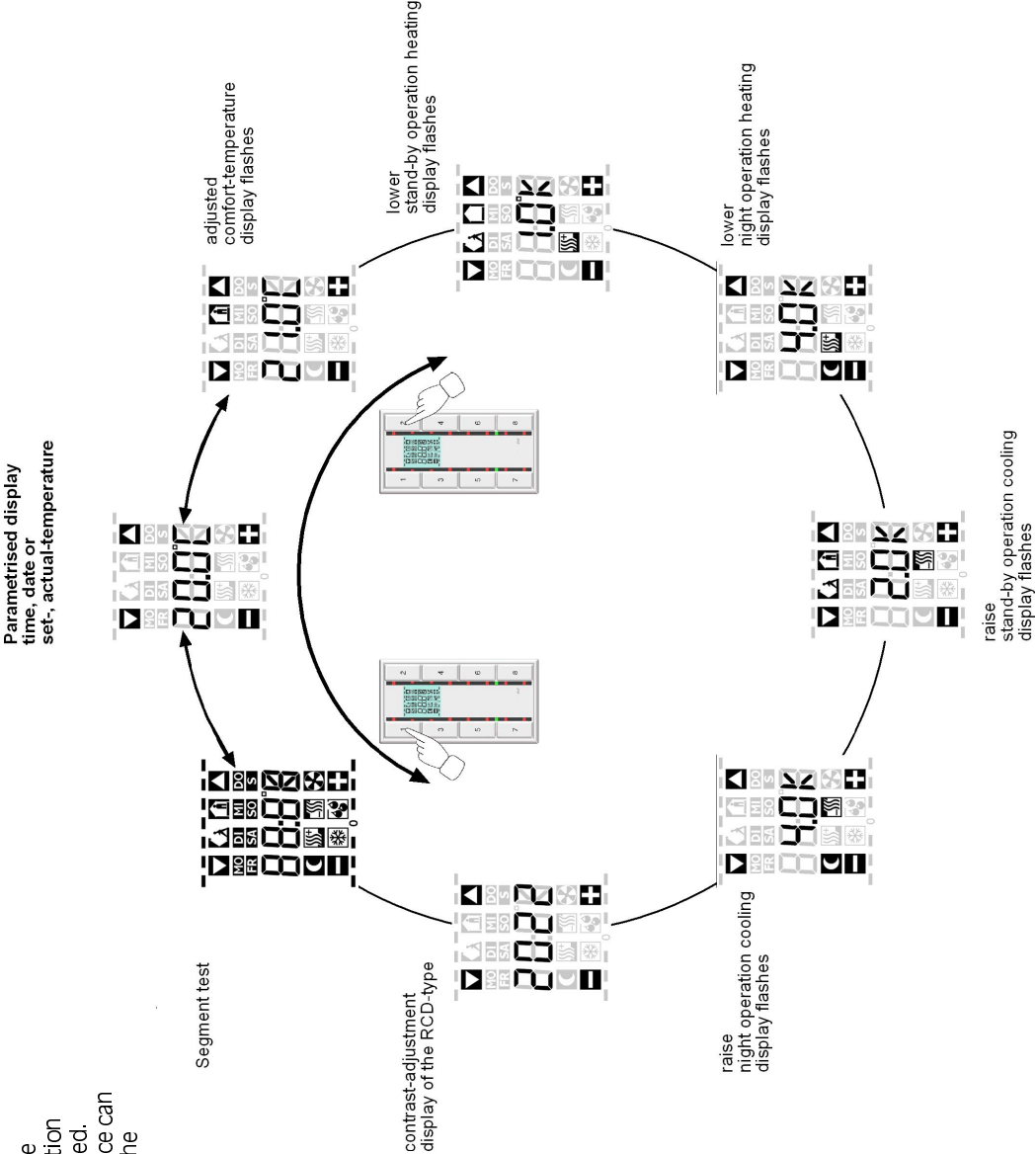
While the display flashes, the set-values can be adjusted. With the push buttons next to the symbols the values can be changed.

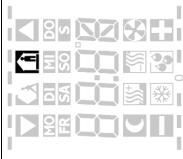
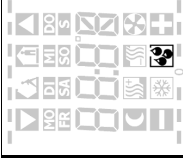
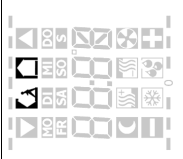
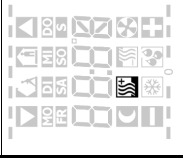
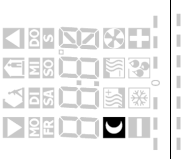
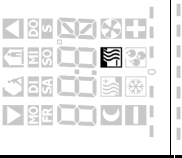
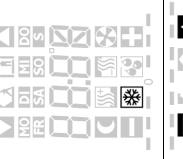
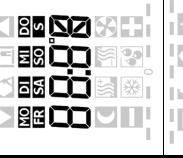
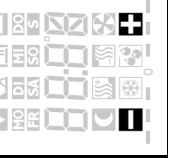


Long push button action (> 3s) of the push buttons 1 + 2:
Storing and back to operation level1.



The first indication of the display in the 2nd operation level can be parameterised. Hence the menu guidance can differ from the display the display at the device.



		heat protection (thawing point)
		heating
		cooling
		date-, time- or temperature -display
		set value adjustment

Supplying voltage: 24 V DC (+6 / -4 V)
 Power consumption: max. 240 mW
 Connection: *instabus* connection block
 basic level control: optional continuous PI control or switching PI control or switching two step control
 ext. level control: optional continuous PI control or switching PI control or switching two step control
 Range of measurement: 0 bis 40 °C
 comfort-temperature: 7 bis 40 °C einstellbar
 Sollwertverschiebung max. ± 6 K
 Operation temperature: -5 °C to +45 °C
 Storage temperature: -25 °C to +70 °C
 Humidity 0 to 95 %
 Protection: IP 20
 Protection category: III



The CE-sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions

Please return the unit postage paid to our central service department giving a brief description of the fault:

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Kupferstr. 17-19
D-44532 Lünen
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