

BUILDING AUTOMATION  
CONTROL TECHNOLOGY  
SENSOR TECHNOLOGY

**alre**



**HTRRUt.**  
The discreet one.

# STRONGLY REDUCED AND YET STRONG



## **THE ELECTRONIC FLUSH-MOUNTED CONTROLLER FOR MINIMALISTS.**

This minimalistic thermostat is a sleek and simple device that provides easy and precise temperature control. The goal was to develop a thermostat with a minimalist aesthetic, that features a clean and uncluttered interface reduced to its bare necessities. The device is equipped with LEDs organized in a circle to indicate the current room temperature and allows users to adjust the desired temperature via simple up/down touch sensors. It's ideal for those who prefer a minimalist lifestyle, as it takes up little space and blends in seamlessly with any modern decor.

- + Sensors: NTC internal
- + Switching contact:
  - 1 Relay / normally open contact (mode of action type 1.C)
- + LEDs for displaying set setpoint
- + Control range:
  - 17 °C - 26 °C (frost protection 5 °C)
- + Valve protection
- + Screw terminals
- + Energy efficiency class:
  - (contribution to seasonal room heating - energy efficiency 1 %)
- + Switching capability: 1 A, 10 valve actuators (closed when de-energised)
- + Cover / alre frame pure white (similar to RAL 9010)

# ROOM OR FLOOR TEMPERATURE CONTROLLER, ELECTRONIC, HTRRUt

## FLUSH-MOUNTED INSTALLATION – DESIGN BERLIN UP



### TECHNICAL DATA

<b>Design:</b>	Berlin UP
<b>Housing material:</b>	PC plastic
<b>Ambient temperature:</b>	0 ... 40 °C
<b>Storage temperature:</b>	-20 ... +70 °C
<b>Permissible atmospheric humidity:</b>	Max. 95% rel. humidity, non-condensing
<b>Electrical connection:</b>	pluggable screw terminals
<b>Mounting / attachment:</b>	In flush-mounted socket, can be adapted to fit virtually any switch range (deep flush-mounted socket recommended)
<b>Protection rating:</b>	IP 30
<b>Protection class:</b>	II, if properly mounted
<b>Safety and EMC:</b>	according to DIN EN 60730
<b>Average power consumption:</b>	< 0,5 W
<b>Switching element:</b>	relay
<b>Switching contact:</b>	NO contact
<b>Output signal:</b>	switching 230 VAC / 50 Hz
<b>Sensor:</b>	NTC internal
<b>Control range:</b>	17 ... 26 °C
<b>Setting range:</b>	5 ... 26 °C
<b>Hysteresis:</b>	< 0,5 K at a temperature change of max. 4 K/h

### APPLICATION

Control or monitoring of temperatures in offices, living rooms and hotels and suitable for direct connection of valve actuators for hot water heating systems.

Valve actuator: normally closed. Up to 10 actuators for valves may be connected.

The controller HTRRUt-210.A00#55 fits into any conventional switch program.

TYPE / IMAGE	ITEM NO.	FEATURES	CIRCUIT DIAGRAM	EURO/PG
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 HTRRUt-210.A00#55	UA120000	<b>General features:</b> ontroller with cover 55 x 55 mm, pure white (similar to RAL 9010), glossy		
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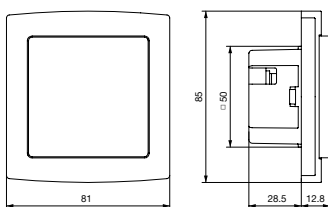
 HTRRUt-210.A00#31	UA120001	similar HTRRUt-210.A00#55 but complete device with alre frame 'Berlin', pure white (similar to RAL 9010), glossy		
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ACCESSORIES	ITEM NO.	FEATURES	EURO/PG
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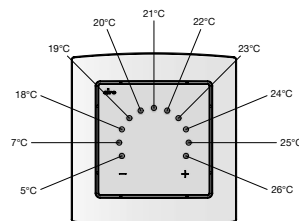
 JZ-090.100	VV000048	<b>General features:</b> alre frame 'Berlin' (neutral) for all flush-mounted controllers with 55 x 55 mm cover <b>Surface finish:</b> glossy <b>Colour:</b> pure white, similar to RAL 9010 <b>Material:</b> PC plastic	
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### ILLUSTRATIONS

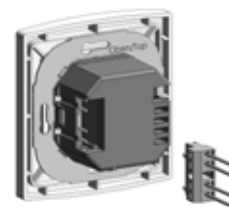
Dimensioned drawing



Temperature scale



Pluggable screw terminals



## ADAPTATION OF ALRE FLUSH-MOUNTED CONTROLLERS

MANUFACTURER	RANGE	COLOUR RAL 9010 (surface finish)
BERKER	S.1	polar white (glossy)
BERKER	B.3	aluminium / polar white (glossy)
BERKER	B.7	glass / polar white (glossy)
BUSCH-JAEGER	Busch-balance SI	alpine white (glossy)
Elso	Joy	alpine white (glossy)
GIRA	Flächenschalter	pure white (glossy)
GIRA (System 55)	Standard / E2 / E3	pure white (glossy)
GIRA (System 55)	E 22	pure white (glossy)
GIRA (System 55)	Event	pure white (glossy) + opaque...
GIRA (System 55)	Esprit	pure white (glossy) + glass, aluminium...
JUNG	A 500 / A 550 / AS 500 / A plus / A flow	alpine white (glossy)
JUNG	LS 990	alpine white (glossy)
JUNG	LS plus	alpine white (glass)
JUNG	A creation	alpine white (glossy)
JUNG	LS Design	alpine white (glossy)
MERTEN (System M)	M-Smart, M-Plan, M-Creativ, M-Pure	polar white (glossy)
MERTEN (System Basis)	1-M / Atelier-M	polar white (glossy)

**NOTE:** Most switch ranges are designed in a colour similar to RAL 1013, 9016 or 1013, although different switch manufacturers use different designations for this colour. Coloured, glass and aluminium frames are also combined with white jacks or plugs so that controllers with white covers can also be integrated into these frames. Check the precise application in each individual case. The frames have different surface qualities (matt/glossy). For design reasons, the cover of the controller should have the same quality as the frame. We accept no liability for slight variations in colour and surface finish or for accuracy of fit. When installing devices into multi frames, always assemble the temperature controllers at the lowermost position.

All information regarding switch manufacturers' product lines and item numbers was last updated in 12/2022 | No liability is assumed for the information provided. | Technical specifications subject to change.

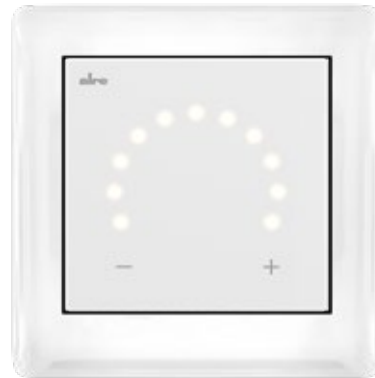
# ADAPTS TO ANY SWITCH ENVIRONMENT.

Our flush-mounted range has been specially designed to fit into any standard switch frame.

All versions also fit into multiple frames and are available on request in the colours anthracite and aluminium.

## JUNG

Adaptation example

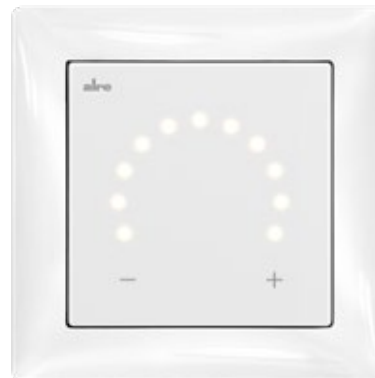
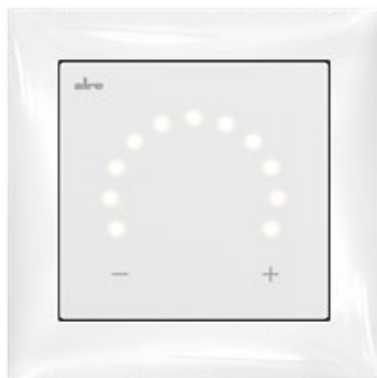


## GIRA

Adaptation example

## BERKER

Adaptation example

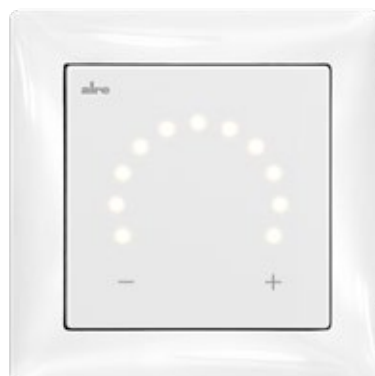


## BUSCH JAEGER

Adaptation example

## MERTEN

Adaptation example



## ELSO

Adaptation example

**BEAUTY  
IN SIMPLICITY.**





**alre –  
simply  
control.**

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