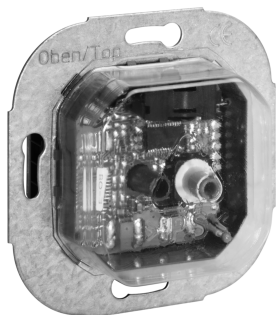


Datasheet KTRRU-052.245#00

Articlenumber: UA210401

Room thermostat for chilled ceilings, flush-mounted, 24VAC/VDC, switch Off/Comfort/ECO

Electronic flush-mounted climate controller for heating/cooling control in 2- and 4-pipe systems for hotel, residential and commercial premises. In conjunction with the corresponding cover set, suitable for all standard switch ranges. Matching cover set no. JZ-007.xxx Up to 5 valve actuators (24V~, normally closed) can be controlled per output. The switch can be used to select between the operating modes Off/Comfort/ECO. Particularly suitable for cooling ceiling control due to the option of dew point monitoring. To compensate for the inertia of controlled systems with cooling ceilings, the device has a temperature sensor input for connecting an external radiation sensor (optional). The factory-set "zero point" of approx. 21 °C can be adjusted by ± 5 K in the device. The setpoint temperature can be adjusted by ± 3 K around the set zero point using the adjustment knob. The external sensor can also be designed as a room sensor (optional) as an official variant, where the controller should be inaccessible to unauthorized persons. An internal potentiometer can be used to select the use of the internal or external sensor or the use of both sensors with an adjustable weighting. Contact inputs for ECO function and OFF (frost protection).



Actual temperature display	No
Additional heating switch	No
Ambient temperature	0 ... 40 °C
Assembly	Basic device
Bearing temperature	-20 ... 70 °C
Colour	Anthracite
Control behaviour	2-point
Control range	13 ... 29 °C
Cooling control function	Yes
Degree of contamination	2
Design	Berlin UP
Dimensions (W x H x D)	71 mm x 71 mm x 49 mm
Display	No

ECO function (reduction)	Yes
Electric connection	Screw terminals
Electronic control	Yes
Energy efficiency class	I
External setting	Yes
Heating control function	Yes
Housing material	Plastic PC
Max. air humidity (non-condensing)	95 % r.H.
Max. switching current	1 (1) A
Max. switching voltage	24 VAC, 50 Hz / 24 VDC
Mechanical range reduction	Yes
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
Montage/Befestigung	Flush mounting (deep socket recommended)
Neutral zone	2 K
Number of outputs	2
Number of outputs, cooling	1
Number of outputs, heating	1
Operating voltage	24 VAC, 50 Hz / 24 VDC
Operation	Rotary knob and switches
Potential free switching contact	No
Protection class	III
Safety and EMC	In accordance with DIN EN 60730
Scale	Relative scale
Schalter Aus/Komfort/ECO	Yes
Schalter Ein/Aus	Yes
Schalter Heizen/Kühlen	No
Sensor element	NTC internal, optional NTC external
Sensor external	No
Surface finish	Matt or gloss (see cover set)
Switch/lamp night-time reduction	No
Switching contact	2 normally open contacts

Switching difference, can be adjusted

No

Switching differential

Heating/cooling: 1 K

Switching element

2 relays

Switching power

24 W

Temperature controller version

Climate controller

Type of wiring

Other

With receiver

No

