

Datasheet KTRRUU257.456#21/V2

Articlenumber: UA220100

Room thermostat with clock, heating/cooling, flush-mounted, 24VAC/VDC, alre frame, cover 50x50mm, pure white, glossy

Flush-mounted controller for time-dependent heating/cooling control of 2- and 4-pipe systems in hotels, residential and commercial premises. Can be adapted to almost all surface switch programs thanks to different variants. Up to 5 valve actuators (normally open or closed) can be controlled per output. In 2-pipe operation, the operating mode can be switched via an external contact (change-over), temperature sensor or in the menu. The clock can be used as a master for other controllers for ECO switchover. The energy-saving function (ECO) or frost protection (STANDBY) can be activated via an external contact. Alternatively, the controller inputs can be configured for an external temperature sensor (weighting between internal and external sensor can be set) or a dew point sensor (TPS). A fan (EC fan) can be speed-controlled via a 0 ... 10 V interface.



Actual temperature display	Yes
Adaptive heating time start	Yes
Ambient temperature	0 ... 40 °C
Bearing temperature	-20 ... 70 °C
Clock type	Day/week
Clock version	Digital
Colour	Pure white
Control behaviour	2-point or PI-PWM
Control range	5 ... 40 °C
Cooling control function	Yes
Degree of contamination	2
Design	Berlin UP
Dimensions (W x H x D)	81 mm x 85 mm x 46 mm
Display	Yes

Display type	Illuminated, graphic display
ECO function (reduction)	Yes
ECO input (reduction)	24 VAC, 50 Hz / 24 VDC
ECO output (reduction)	24 VAC, 50 Hz / 24 VDC
Electric connection	Screwed plug-in terminals
Energy efficiency class	I or IV
External setting	Yes
Heating control function	Yes
Housing material	Plastic ABS, PC, PMMA
Max. air humidity (non-condensing)	95 % r.H.
Max. power consumption	Approx. 1 W (2,2 VA)
Max. switching current	3 (0,5) A
Max. switching voltage	24 VAC, 50 Hz / 24 VDC
Medium	Air
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
Montage/Befestigung	Flush mounting (deep socket recommended)
Neutral zone	Einstellbar
Number of control ranges	1
Number of outputs	3
Number of outputs, cooling	1
Number of outputs, heating	1
Number of switching programs	7
Operating voltage	24 VAC, 50 Hz / 24 VDC
Operation	Touch-sensitive buttons
Output signal	Switching/continuous, 0 ... 10 V
Party function	Yes
Potential free switching contact	No
Power reserve	3 Days
Protection class	III
RAL colour number (similar)	9010
Rated impulse voltage	500 V
Safety and EMC	In accordance with DIN EN 60730

Schalter Heizen/Kühlen	No
Sensor element	NTC internal, optional NTC external
Sensor external	No
Shortest switching time	15 min
Surface finish	Gloss
Switching contact	2 normally open contacts
Switching difference, can be adjusted	No
Switching differential	Heating/cooling: 1 ... 2 K
Switching element	Relay
Switching power	72 W
Temperature controller version	Climate controller
Type of wiring	Other
Weather-dependent control	No
With receiver	No

