

## Data Sheet KTRRUu257.456#07/V2

Article number: UA220103

Room thermostat with clock, heating/cooling, flush-mounted, 24 VAC/VDC, cover 50 x 50 mm, 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.



Adaptive heating time start	Yes
Number of outputs	3
Number of outputs, heating	1
Number of outputs, cooling	1
Number of switching programs	7
Number of control ranges	1
Actual temperature display	Yes
Display type	illuminated, graphic display

Temperature controller version	climate controller
Clock version	digital
Output signal	switching/continuous, 0 ... 10 V
External setting	Yes
Operation	touch-sensitive buttons
Rated impulse voltage	500 V
Operating voltage	24 VAC, 50 Hz / 24 VDC
Design	Berlin UP
Display	Yes
ECO output (reduction)	24 VAC, 50 Hz / 24 VDC
ECO input (reduction)	24 VAC, 50 Hz / 24 VDC
ECO function (reduction)	Yes
Electric connection	screwed plug-in terminals
Energy efficiency class	I or IV
Colour	pure white
RAL colour number (similar)	9010
Sensor element	NTC internal, optional NTC external
Power reserve	3 Days
Shortest switching time	15 min
Bearing temperature	-20 ... 70 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic ABS, PC, PMMA

Max. power consumption	approx, 1 W (2,2 VA)
Max. switching voltage	24 VAC, 50 Hz / 24 VDC
Max. switching current	3 (0,5) A
Medium	Air
Min. switching voltage	24 VAC, 50 Hz / 24 VDC
With receiver	No
Mounting/attachment	flush mounting (deep socket recommended)
Neutral zone	einstellbar
Surface finish	gloss
Party function	Yes
Control range	5 ... 40 °C
Heating control function	Yes
Cooling control function	Yes
Control behaviour	2-point or PI-PWM
Switching differential	Heating/cooling: 1 ... 2 K
Switching difference, can be adjusted	No
Switching element	relay
Heating/cooling switch	No
Switching contact	2 normally open contacts
Potential free switching contact	No
Switching power	72 W
Protection class	IP30

Protection class	III
Sensor external	No
Safety and EMC	in accordance with DIN EN 60730
Clock type	day/week
Ambient temperature	0 ... 40 °C
Type of wiring	other
Degree of contamination	2
Weather-dependent control	No
Dimensions (W x H x D)	71 mm x 71 mm x 46 mm

