

Datasheet KTRTB-251.108

Articlenumber: MA700400

Room thermostat, heating/cooling, surface-mounted, super-flat, 24VAC, noiseless (Triac)

This controller was specially developed for heating/cooling control in 2-pipe systems for hotels, residential and commercial premises and can control up to 5 valve actuators (normally closed). The KTRTB detects the room temperature with an internal sensor and activates the heating or cooling according to the deviation from the setpoint. The use of a triac as a switching element instead of a relay/bimetal means that there is no switching noise during operation. An internal switch can be used to configure the existing contact input as an ECO contact or standby contact. ECO function: If this function is selected, the temperature is reduced by 3 K in heating mode and increased by 3 K in cooling mode. Standby function: If this function is selected, the controller is switched off (frost protection remains active). Surface/wall mounting (4-hole mounting on flush-mounted box).



Actual temperature display	No
Additional heating switch	No
Ambient temperature	0 ... 40 °C
Assembly	Complete device
Bearing temperature	-20 ... °C
Colour	Pure white
Control behaviour	Switching PWM
Control range	5 ... 30 °C
Cooling control function	Yes
Degree of contamination	2
Design	Berlin 1000
Dimensions (W x H x D)	78 mm x 78,5 mm x 13,9 mm
Display	No
ECO function (reduction)	Yes

ECO input (reduction)	24 VAC, 50 Hz
Electric connection	Screw terminals
Electronic control	Yes
External setting	Yes
Heating control function	Yes
Housing material	Plastic ABS
Max. air humidity (non-condensing)	95 % r.H.
Max. power consumption	< 0,8 W
Max. switching current	625 mA
Max. switching voltage	24 VAC, 50 Hz
Mechanical range reduction	Yes
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Montage/Befestigung	Surface mounting
Number of control ranges	1
Number of outputs	1
Number of outputs, cooling	1
Number of outputs, heating	1
Operating voltage	24 VAC, 50 Hz
Operation	Rotary knob
Output signal	Switching (PWM)
Potential free switching contact	No
Proportional range	Approx. 1 K
Protection class	III
RAL colour number (similar)	9010
Safety and EMC	In accordance with DIN EN 60730
Scale	Degree Celsius
Schalter Ein/Aus	No
Schalter Heizen/Kühlen	No
Sensor element	NTC internal
Sensor external	No
Surface finish	Gloss

Switch/lamp night-time reduction	No
Switching contact	NC contact
Switching difference, can be adjusted	No
Switching differential	Heating/cooling: 0 K
Switching element	Triac
Switching power	15 W
Temperature controller version	Climate controller
Type of wiring	Other
With receiver	No

