

Datasheet KTRRB-117.163

Articlenumber: MA601400

Room thermostat, heating/cooling, surface-mounted, 230VAC

The KTRRB air conditioning controller was specially developed for air conditioning systems in 2- or 4-pipe systems with de-energized closed valves. The KTRRB is used as an individual room temperature controller with an internal sensor or as an external controller with an optional remote sensor. The optional external flow sensor is used to automatically switch the controller to heating or cooling mode in 2-pipe operation depending on the flow temperature; alternatively, this input can be used as an H/C changeover contact. In the event of a sensor break or sensor short circuit, the heating is activated with a switch-on time of 30 % to prevent cooling or frost damage in the room. 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 set to 3 K lower in heating mode and 3 K higher in cooling mode. Standby function: If this function is selected, the controller is switched off (frost protection remains active). Surface/wall mounting or by means of adapter plate on flush-mounted box.



Actual temperature display	No
Additional heating switch	No
Ambient temperature	0 ... 40 °C
Assembly	Complete device
Bearing temperature	-20 ... 70 °C
Colour	Pure white
Control behaviour	2-point
Control range	5 ... 30 °C
Cooling control function	Yes
Degree of contamination	2
Design	Berlin 3000
Dimensions (W x H x D)	110 mm x 110,7 mm x 26 mm
Display	No

ECO function (reduction)	Yes
ECO temperature reduction	Approx. 3 K
Electric connection	Screw terminals
Electronic control	Yes
Energy efficiency class	I
External setting	Yes
Fan switch 3-stage	No
Heating control function	Yes
Housing material	Plastic ABS
Max. air humidity (non-condensing)	95 % r.H.
Max. switching current	Heating: 5 (1) A, 5 (1) A, 3 (1) A
Max. switching voltage	230 VAC, 50 Hz
Mechanical range reduction	Yes
Min. switching voltage	230 VAC, 50 Hz
Montage/Befestigung	Surface mounting
Neutral zone	2 K
Number of control ranges	1
Number of outputs	2
Number of outputs, cooling	1
Number of outputs, heating	1
Off / fan man / fan auto switch	No
Operating voltage	230 VAC, 50 Hz
Operation	Rotary knob and switches
Output signal	Switching
Potential free switching contact	No
Protection class	II, following appropriate mounting
RAL colour number (similar)	9010
Safety and EMC	In accordance with DIN EN 60730
Scale	Degree Celsius
Schalter Ein/Aus	Yes
Schalter Heizen/Kühlen	No
Sensor element	NTC internal, optional NTC external

Sensor external	No
Surface finish	Matt
Switch/lamp night-time reduction	No
Switching difference, can be adjusted	No
Switching differential	Heating/cooling: 0,5 K
Switching power	1150 W
Temperature controller version	Climate controller
Type of wiring	Other
With receiver	No

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H/K 5(1)A

U_N 230V~

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