

Datasheet KTRRB-117.128

Articlenumber: MA601300

Room thermostat, heating/cooling, surface-mounted, 230V AC, 3-stage fan output

The KTRRB-117.128 climate controller has been developed especially for controlling convector fans, fan coil devices and other fan-assisted air-conditioning systems in 2- or 4-pipe systems with closed when de-energised valves. In this case, the KTRRB-117.128 is used as a single-room thermostat with internal sensor or as an external control device with optional remote sensor. The optional external upstream sensor is used for automatic changeover of the controller in heating or cooling mode in 2-pipe operation depending on the inlet temperature; alternatively, this input may be used as a H/C changeover contact. In the event of a sensor failure or short circuit, the heating is controlled with a duty cycle of 30% in order to prevent cooling down or frost damage in the room. Using an internal switch, the existing contact input can be configured as an ECO contact or standby contact. ECO function: When this function is selected, in heating mode the temperature is reduced by 3K and in cooling mode increased by 3K. Standby function: When this function is selected, the controller is switched off (frost protection still active). Surface mounting / wall mounting or using an adapter plate on a flush-mounted socket.



Actual temperature display	No
Additional heating switch	No
Ambient temperature, lower value	0 °C
Ambient temperature, upper value	40 °C
Assembly	Complete device
Bearing temperature, lower value	-20 °C
Bearing temperature, upper value	70 °C
Colour	Pure white
Control behaviour	2-point
Control range, lower value	5 °C
Control range, upper value	30 °C
Cooling control function	Yes
Degree of contamination	2

Depth	26 mm
Design	Berlin 3000
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	Yes
Heating / cooling switch	No
Heating control function	Yes
Height	110,7 mm
Housing material	Plastic ABS
Maximum air humidity (non-condensing)	95 % r.H
Maximum switching current	625 mA
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	Yes
Minimum switching voltage	230 V AC / 50 Hz
Mounting / attachment	Surface mounting
Neutral zone	Approx. 2 K
Number of control ranges	1
Number of outputs	3
Number of outputs, cooling	1
Number of outputs, heating	1
Off / fan man / fan auto switch	No
On / Off switch	Yes
Operating voltage	230 V AC / 50 Hz
Operation	Rotary knob and switches
Output signal	48 V AC, 50 Hz / 60 V DC
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
Sealable	No
Sensor element	NTC internal, optional NTC external
Sensor external	No
Surface properties	Matt
Switch/lamp night-time reduction	No
Switching difference	Approx. 1 K
Switching difference, can be adjusted	No
Switching power	1150 W heating / cool
Temperature controller version	Climate controller
Thermal feedback	No
Type of protection	IP30
Width	110 mm
With explosion protection	No

