

Data Sheet HTRRBd-210.100

Article number: MA700800

Room thermostat with temperature display, surface-mounted, super-flat, 5...30 °C, 230 VAC, 3(0.5) A, NO contact

This room thermostat has been specially developed for controlling or monitoring temperatures in offices, living rooms and hotels and is suitable for the direct connection of up to 10 valve actuators (normally closed) for hot water heating systems. The display is deactivated in normal operation. The current room temperature is displayed by touching a touch surface. If a button is touched during this display, the desired setpoint temperature can be adjusted in 1 °C increments.



Connection cross-section	0,33 – 1,5 mm ²
Number of outputs	1
Number of outputs, heating	1
Number of outputs, cooling	0
Number of control ranges	1
ECO display	No
Heating display	No
Actual temperature display	Yes
Additional heating display	No
Display type	Two-digit 7 segment display (white)

Temperature controller version	room thermostat
Output signal	switching
External setting	Yes
Operation	touch-sensitive buttons
Operating voltage	230 VAC, 50 Hz
Design	Berlin 1000
Display	Yes
Average power consumption	0.5 W
ECO function (reduction)	No
Electric connection	screw terminals
Electronic control	Yes
Energy efficiency class	IV
Colour	pure white
RAL colour number (similar)	9010
Sensor element	NTC internal
Internal setting	No
Bearing temperature	-20 ... 70 °C
Power consumption in standby state	0.5 W
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic ABS
Max. power consumption	< 1 W
Max. switching voltage	230 VAC, 50 Hz

Max. switching current	3 (0,5) A
Mechanical range reduction	No
Medium	Air
Min. switching voltage	230 VAC, 50 Hz
With receiver	No
Mounting/attachment	surface mounting
Surface finish	gloss
Test mark approval	CE
Control range	5 ... 30 °C
Heating control function	Yes
Cooling control function	No
Control behaviour	PI PWM
Switching differential	0,5 K (delta T max. 4 K/h)
Switching difference, can be adjusted	No
Switching element	relay
Reduction switch	No
Reduction / heating / external reduction switch	No
On/Off switch	No
Heating/cooling switch	No
Heating/off/cooling switch	No
Additional heating switch	No
Switching contact	normally open contact

Potential free switching contact	No
Switching power	690 W
Protection class	IP30
Protection class	II, following appropriate mounting
Sensor external	No
Safety and EMC	in accordance with DIN EN 60730
Scale	Degree Celsius
Ambient temperature	0 ... 40 °C
Type of wiring	three-/four-wire
Assembly	complete device
Dimensions (W x H x D)	78 mm x 78,5 mm x 13,9 mm

