

Data Sheet HTRRBu110.021

Article number: MA600400

Floor temperature controller with clock, surface-mounted, remote sensor NTC 2K, backlighting

Electronic floor temperature controller for time-dependent control of temperatures in closed rooms. Suitable for floor, edge zone, bathroom, ceiling, tiled stove, marble and wall heating or temperature control systems up to 3000 W. Can be used as a master (pilot controller) to reduce the temperature of other controllers. Controllers of the FETR, FTR and RTBSB series are suitable for this purpose as slaves (satellite controllers). Simple operation with direct selection buttons. In the event of a sensor break or sensor short circuit, the heating is activated with a duty cycle of 30 % to prevent cooling or frost damage in the room. Temperatures below -20 °C are also evaluated as sensor breakage and the emergency run function is triggered. It can also be mounted on a flush-mounted box using an adapter plate.



Adaptive heating time start	Yes
Number of outputs	2
Number of outputs, heating	1
Number of outputs, cooling	0
Number of switching programs	7
Number of control ranges	1
Actual temperature display	Yes
Display type	LCD, illuminated

Temperature controller version	underfloor temperature controller
Clock version	digital
Output signal	switching
External setting	Yes
Operation	rotary knob and buttons
Operating voltage	230 VAC, 50 Hz
Design	Berlin 3000
Display	Yes
ECO output (reduction)	230 VAC, 50 Hz
Electric connection	screw terminals
Energy efficiency class	I
Colour	pure white
RAL colour number (similar)	9010
Sensor element	NTC external
Power reserve	7 Days
Shortest switching time	15 min
Bearing temperature	-20 ... 70 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic ABS
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	13 (2) A, 100 mA
Mechanical range reduction	Yes

Medium	Air
Min. switching voltage	230 VAC, 50 Hz
With receiver	No
Mounting/attachment	surface mounting
Surface finish	matt
Party function	Yes
Control range	10 ... 42 °C
Heating control function	Yes
Control behaviour	2-point
Switching differential	1 K (delta T max. 4 K/h)
Switching difference, can be adjusted	No
Switching element	relay
Heating/cooling switch	No
Switching contact	normally open contact
Potential free switching contact	No
Switching power	3000 W (230 VAC) / 23 W (230 VAC)
Protection class	IP30
Protection class	II, following appropriate mounting
Sensor external	Yes
Safety and EMC	in accordance with DIN EN 60730
Scale	Index number scale 1...4
Clock type	day/week

Ambient temperature	0 ... 30 °C
Valve protection function	Yes
Type of wiring	other
Weather-dependent control	No
Dimensions (W x H x D)	110 mm x 110,7 mm x 26 mm

