



20447109

Thermostat, NO contact, centre plate, time-controlled, K.1, p. white glossy

Technical properties

Functions

Function	Operating hours meter or energy consumption display adjustable, timer for changing the temperature by the hour, with valve protection function, with access protection, with frost protection function
Slide switch	with switchover manual/automatic mode
With cooling function	Yes

Controls and indicators

Operation	operating languages are adjustable: German, English, Dutch or French
Indication / display	large, backlight display with text display

Main electrical features

Nominal voltage	230 V
Rated voltage	230 V AC
Frequency	50 Hz

Electric current

Switching current	10 mA ... 10 (4) A
Switching current at $\cos \varphi = 0.6$	max. 4 A

Dimensions

Insertion depth	25 mm
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Power

Power consumption	≈ 1.2 W
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Battery

Lithium cell power reserve [years]	≈ 10
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Detection

Sensor	with integrated temperature sensor
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Materials

Colour of design line	polar white
Colour	polarwhite
Material	Plastic/metal

Installation, mounting

Installation mode	without spreader claws
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Connection

Type of connection	with screw terminals
Connection	with additional connection for external floor temperature sensor/remote sensor
Settings	
Floor temperature setting range	10...40 °C
Room temperature setting range	5...30 °C
Programs	holiday programme with date activation
Programming	3 preset time programmes, individually adjustable, programmable with operating unit removed, 3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun, max. 9 switching times per weekday
Time	with automatic summer-/winter time switching (can be switched off)
Equipment	
Switching temperature difference	≈ 0.5 K
Heating	for room and floor heaters, with self-teaching heating curve, for underfloor heating control using room and/or floor temperature possible, for heating or cooling mode
Control	control process PWM or 2-point (on/off) can be selected, PWM cycle time and hysteresis (for two-point control) settable
Valve drives	type of actuator (currentless closed/open) adjustable
Use	
Differentiation characteristic 2 - Sales	Time-controlled
Safety	
REACH conform	Yes
RoHS conform	Yes
Use conditions	
Temperature	temperature control range adjustable
Energy efficiency class	IV (2%)
Identification	
Application, usage	HVAC control
Main design line	Berker K.1