



20447106

Thermostat, NO contact, centre plate, time-controlled, K.1, ant., matt

Technical characteristics

Functions

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

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	anthracite
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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	max. 9 switching times per weekday ; 3 preset time programmes, individually adjustable ; programmable with operating unit removed ; 3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun
Time	with automatic summer-/winter time switching (can be switched off)
Equipment	
Switching temperature difference	≈ 0.5 K
Heating	for heating or cooling mode ; with self-teaching heating curve ; for underfloor heating control using room and/or floor temperature possible ; for room and floor heaters
Control	PWM cycle time and hysteresis (for two-point control) settable ; control process PWM or 2-point (on/off) can be selected
Valve drives	type of actuator (currentless closed/open) adjustable
Use	
Differentiation characteristic 2 - Sales	Time-controlled
Safety	
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
Use conditions	
Temperature	temperature control range adjustable
Energy efficiency class	IV (2%)
Identification	
Application, usage	HVAC control
Main design line	Berker K.1