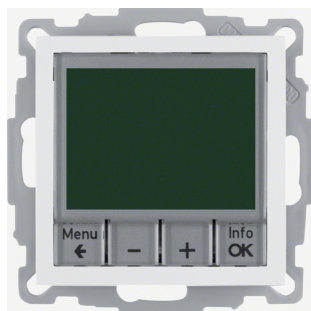




20441909



Thermostat, NO contact, with centre plate Time-controlled, Berker S.1/B.3/B.7, polar white matt

Technical features

Functions

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

Controls and indicators

- operating languages are adjustable: German, English, Dutch or French
- 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

Power

Power consumption	≈ 1.2 W
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Battery

Lithium cell power reserve [years]	≈ 10
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Detection

- with integrated temperature sensor

Materials

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

Dimensions

Insertion depth	25 mm
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Installation, mounting

Installation mode	without spreader claws
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Connection

Connection	with additional connection for external floor temperature sensor/remote sensor
- with screw terminals	

Settings

Floor temperature setting range	10...40 °C
Room temperature setting range	5...30 °C
Time	with automatic summer-/winter time switching (can be switched off)
- holiday programme with date activation - programmable with operating unit removed - 3 preset time programmes, individually adjustable - 3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun - max. 9 switching times per weekday	

Equipment

Switching temperature difference	≈ 0,5 K
- with self-teaching heating curve - for underfloor heating control using room and/or floor temperature possible - for heating or cooling mode - for room and floor heaters - control process PWM or 2-point (on/off) can be selected - PWM cycle time and hysteresis (for two-point control) settable - type of actuator (currentless closed/open) adjustable	

Use

Differentiation characteristic 2 - Sales	Time-controlled
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Use conditions

Energy efficiency class	IV (2%)
- temperature control range adjustable - with thermal return via software	

Identification

Application, usage	HVAC control
Main design line	Berker S.1/B.3/B.7
Secondary design line(s)	Berker S.1, Berker B.3, Berker B.7