



20448982



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

Technical features

Functions

- timer for changing the temperature by the hour
- with frost protection function
- Operating hours meter or energy consumption display adjustable
- with valve protection function
- with access protection
- 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	white
Colour	white
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
- 3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun
- max. 9 switching times per weekday
- 3 preset time programmes, individually adjustable
- programmable with operating unit removed

Equipment

Switching temperature difference $\approx 0,5$ K

- for room and floor heaters
- for underfloor heating control using room and/or floor temperature possible
- for heating or cooling mode
- with self-teaching heating curve
- 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

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