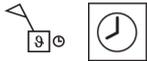




20448989



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

Technical features

**Functions**

- Operating hours meter or energy consumption display adjustable
- with frost protection function
- with valve protection function
- timer for changing the temperature by the hour
- 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	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

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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)

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- holiday programme with date activation
  - 3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun
  - programmable with operating unit removed
  - max. 9 switching times per weekday
  - 3 preset time programmes, individually adjustable
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### Equipment

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Switching temperature difference	≈ 0,5 K
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- with self-teaching heating curve
- for room and floor heaters
- for underfloor heating control using room and/or floor temperature possible
- for heating or cooling mode
- 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

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### Use

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Differentiation characteristic 2 - Sales	Time-controlled
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### Use conditions

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

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### Identification

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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

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