



20441404



**Thermostat, NO contact, with centre plate Time-controlled, Berker S.1/B.3/B.7, aluminium, matt, lacquered**

Technical features

#### Functions

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

#### Battery

Lithium cell power reserve [years]	≈ 10
------------------------------------	------

#### Detection

- with integrated temperature sensor

#### Materials

Colour of design line	aluminium
Colour	aluminium
Material / workmanship	lacquered
Material	Plastic/metal

#### Dimensions

Insertion depth	25 mm
-----------------	-------

#### Installation, mounting

Installation mode	without spreader claws
-------------------	------------------------

#### 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)
<ul style="list-style-type: none"><li>- holiday programme with date activation</li><li>- programmable with operating unit removed</li><li>- 3 preset time programmes, individually adjustable</li><li>- max. 9 switching times per weekday</li><li>- 3 blocks of days: Mon-Fri, Sat-Sun, Mon-Sun</li></ul>	

### Equipment

Switching temperature difference	≈ 0,5 K
<ul style="list-style-type: none"><li>- with self-teaching heating curve</li><li>- for heating or cooling mode</li><li>- for room and floor heaters</li><li>- for underfloor heating control using room and/or floor temperature possible</li><li>- PWM cycle time and hysteresis (for two-point control) settable</li><li>- control process PWM or 2-point (on/off) can be selected</li><li>- type of actuator (currentless closed/open) adjustable</li></ul>	

### Use

Differentiation characteristic 2 - Sales	Time-controlled
--	-----------------

### Use conditions

Energy efficiency class	IV (2%)
<ul style="list-style-type: none"><li>- temperature control range adjustable</li><li>- with thermal return via software</li></ul>	

### 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