



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
-------------------	---------

Battery

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

Detection

- with integrated temperature sensor

Materials

Colour of design line	polar white
Colour	polarwhite
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)

- 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
-

Equipment

Switching temperature difference	≈ 0,5 K
----------------------------------	---------

- 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

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
