



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
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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 |
