



20448989

Thermostat, NO contact, centre plate, time-controlled, S.1/B.3/B.7, p.white gl.

Technical characteristics

Functions

| | |
|-----------------------|--|
| Function | 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 |
| Slide switch | with switchover manual/automatic mode |
| With cooling function | Yes |

Controls and indicators

| | |
|----------------------|--|
| Operation | operating languages are adjustable: German, English, Dutch or French |
| Indication / display | 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 |

Dimensions

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

Power

| | |
|-------------------|---------|
| Power consumption | ≈ 1.2 W |
|-------------------|---------|

Battery

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

Detection

| | |
|--------|------------------------------------|
| Sensor | with integrated temperature sensor |
|--------|------------------------------------|

Materials

| | |
|-----------------------|-------------|
| Colour of design line | polar white |
|-----------------------|-------------|

Installation, mounting

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

Connection

| | |
|--------------------|--|
| Type of connection | with screw terminals |
| Connection | with additional connection for external floor temperature sensor/remote sensor |

Settings

| | |
|---------------------------------|---|
| Floor temperature setting range | 10...40 °C |
| Room temperature setting range | 5...30 °C |
| Programs | holiday programme with date activation |
| Programming | 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 |
| Time | with automatic summer-/winter time switching (can be switched off) |

Equipment

| | |
|----------------------------------|---|
| Switching temperature difference | ≈ 0.5 K |
| Heating | 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 | control process PWM or 2-point (on/off) can be selected ; PWM cycle time and hysteresis (for two-point control) settable |
| Valve drives | type of actuator (currentless closed/open) adjustable |

Use

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

Safety

| | |
|---------------|-----|
| REACH conform | Yes |
| RoHS conform | Yes |

Use conditions

| | |
|-------------------------|--------------------------------------|
| Temperature | temperature control range adjustable |
| Energy efficiency class | IV (2%) |

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 |