



20447109



**Thermostat, NO contact, with centre plate Time-controlled, Berker K.1, polar white glossy**

**Technical features**

**Functions**

- Operating hours meter or energy consumption display adjustable
- timer for changing the temperature by the hour
- with valve protection function
- 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 | $\approx 1.2$ W |
|-------------------|-----------------|

**Battery**

|                                    |              |
|------------------------------------|--------------|
| Lithium cell power reserve [years] | $\approx 10$ |
|------------------------------------|--------------|

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

### Equipment

|  |         |
|--|---------|
| Switching temperature difference   | ≈ 0,5 K |
| <ul style="list-style-type: none"><li>- for room and floor heaters</li><li>- with self-teaching heating curve</li><li>- for underfloor heating control using room and/or floor temperature possible</li><li>- for heating or cooling mode</li><li>- control process PWM or 2-point (on/off) can be selected</li><li>- PWM cycle time and hysteresis (for two-point control) settable</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 K.1   |