



75441152



## Thermostat with push-button interface, S.1, white glossy

### Technical properties

#### Functions

Operating mode operating modes: comfort, standby, night lowering, frost/heat protection, dewpoint displayed with LED

#### Controls and indicators

Button / push-button presence button and setting knob can be programmed to have no functions ; with programming button and red programming LED ; with presence button for switching between comfort and standby mode

#### Connectivity

Binary inputs with 4 independent binary inputs for potential-free contacts e.g. window magnetic contact ; 4 binary inputs or 2-3 binary inputs and 1-2 outputs parameterisable

#### Voltage

Operating voltage over bus 21...32 V DC

#### Electric current

Bus current consumption (data transfer)  $\approx 10$  mA

Output current per channel max. 0.8 mA

#### Materials

Colour of design line white

Surface appearance glossy

Type of surface treatment untreated

#### LED control

LED with status LEDs: red for heating, blue for cooling and yellow for activation

#### Installation, mounting

Installation mode without spreader claws

#### Connection

Sensor cable length 50 m

Conductor cross-section (flexible) 0.3...1 mm<sup>2</sup>

Conductor cross-section (rigid) 1.5 mm<sup>2</sup>

Type of connection Binary inputs / outputs with screw terminals

Bus connection bus connection via connecting terminal

#### Cable

Cable length, inputs/outputs max. 5 m

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**Settings**

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| Supported configuration modes | system |
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| Parameterisation | valve protection can be defined ; conduct can be defined for bus voltage return |
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**Equipment**

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| Product type: | product type: thermostat |
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| Set value control by setting knob | ± 0...5 K |
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|---------|---|
| Heating | for heating and/or cooling mode ; heating or cooling possible in 2 stages |
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| Control | for continuous (PI) or switched (2-point) control ; for individual single room temperature control |
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**Use**

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| Differentiation characteristic 2 - Sales | with setting knob |
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| Differentiation characteristic 3 - Sales | with integral bus coupling unit |
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**Safety**

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| Protection | with dismantling protection |
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**Use conditions**

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| Operating temperature | -5...45 °C |
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| Energy efficiency class | IV (2%) |
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**Identification**

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|                    |               |
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| Application, usage | KNX - sensors |
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| Product family | Product family: heating, ventilation, air conditioning |
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| Main design line | KNX - Berker S.1/B.3/B.7 |
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| Secondary design line(s) | KNX ; Berker S.1 ; Berker B.3 ; Berker B.7 |
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**Instructions**

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| Special note text | Binary input 4 parameter defineable for temperature sensor, order no. 161. |
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