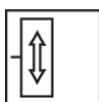


75441179



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

### Technical properties

#### Architecture

Fixing mode flush-mounting

#### 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 polar white

RAL colour RAL 9010 - Pure white

Material Plastic/metal

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

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### Cable

Cable length, inputs/outputs max. 5 m

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### Settings

Supported configuration modes system

Parameterisation valve protection can be defined, conduct can be defined for bus voltage return

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### Equipment

Product type: product type: thermostat

Set value control by setting knob  $\pm 0...5$  K

Heating for heating and/or cooling mode, heating or cooling possible in 2 stages

Control for continuous (PI) or switched (2-point) control, for individual single room temperature control

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### Use

Differentiation characteristic 2 - Sales with setting knob

Differentiation characteristic 3 - Sales with integral bus coupling unit

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### Safety

Protection with dismantling protection

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### Use conditions

Operating temperature  $-5...45$  °C

Energy efficiency class IV (2%)

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### Identification

Application, usage KNX - sensors

Product family Product family: heating, ventilation, air conditioning

Main design line KNX - Berker K.1/K.5

Secondary design line(s) KNX, Berker K.1

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### Instructions

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