



75441171



## Thermostat with push-button interface, K.5, aluminium

### Technical characteristics

#### 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 aluminium

Material / workmanship lacquered

Surface appearance matt

#### 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

**Settings**

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**

Product type:	product type: thermostat
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Set value control by setting knob	$\pm 0...5$ 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**

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**

REACH conform	Yes
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RoHS conform	Yes
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Halogen free	No
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Protection	with dismantling protection
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**Use conditions**

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

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 K.1/K.5
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Secondary design line(s)	KNX ; Berker K.5
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**Instructions**

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