



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) ≈ 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 mm²

Conductor cross-section (rigid) 1.5 mm²

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
-------------------------------	--------

Parameterisation	valve protection can be defined ; conduct can be defined for bus voltage return
------------------	---

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
---------	--

Use

Differentiation characteristic 2 - Sales	with setting knob
--	-------------------

Differentiation characteristic 3 - Sales	with integral bus coupling unit
--	---------------------------------

Safety

REACH conform	Yes
---------------	-----

RoHS conform	Yes
--------------	-----

Halogen free	No
--------------	----

Protection	with dismantling protection
------------	-----------------------------

Use conditions

Operating temperature	-5...45 °C
-----------------------	------------

Energy efficiency class	IV (2%)
-------------------------	---------

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.5
--------------------------	------------------

Instructions

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