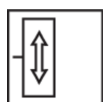


75441159



Thermostat with push-button interface, S.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) ≈ 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

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 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	± 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	
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 S.1/B.3/B.7
Secondary design line(s)	KNX ; Berker S.1 ; Berker B.3 ; Berker B.7
Instructions	
Special note text	Binary input 4 parameter defineable for temperature sensor, order no. 161.