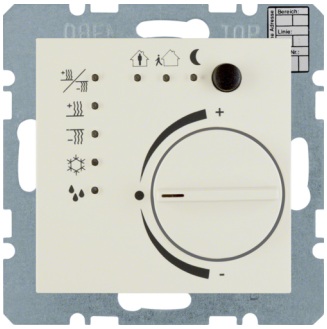

75441152

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 parametrisable

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	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 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.