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IP20

KNX CO² sensor with humidity and temperature regulation with integral bus coupling unit, KNX - Berker K.1/K.5

Technical features

Architecture

Fixing mode	flush-mounting

Functions

Operating mode	Operating modes: comfort, standby, night lowering, frost/heat protected

- Binary input functions: switching, dimming, blind, value transmitter, light scene extension unit
- Binary inputs can be blocked in operation

Controls and indicators

- with programming button and red programming LED

Connectivity

- with 2 independent binary inputs for potential-free contacts

Voltage

Operating voltage over bus	21…32 V DC

Electric current

Bus current consumption (data transfer)	12,5 mA

Measurement

Relative humidity	95 %
CO2 measuring range	0 / 0,2 %

Detection

- up tp 4 CO 2 limit values can be set
- compares measured temperature with the set temperature
- up to 2 humid limit values can be set

Materials

RAL colour	RAL 9022 - Pearl light grey
Material	Plastic/metal
Surface appearance	matt
Type of surface treatment	Other

Dimensions

Installation height	1,5 m

Installation, mounting

Installation mode	without spreader claws

Connection

- Connection bar with screw terminals for binary inputs
- bus connection via connecting terminal

Cable

Binary cable length	5 m

Settings

Supported configuration modes	system

Equipment

Product type:	product type: thermostat

- heating or cooling possible in 2 stages
- for heating or cooling mode
- for single room control

Use

Differentiation characteristic 3 - Sales	with integral bus coupling unit

Safety

Halogen free	no

- with dismantling protection

Use conditions

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

- An alarm is signalled when the dewpoint is reached in order to prevent the formation of mould e.g. on cooling ceilings or in winter gardens

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Temperature measuring range, linear	-5...45 °C

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, Berker K.5

Instructions

Information text	Recommendation: use deep box.