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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 to 4 CO₂ 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 7021 - Black grey

Material Plastic/metal

Surface appearance matt

Type of surface treatment Painted

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

temperatur

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.