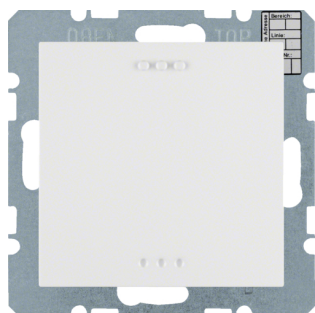




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IP20

## KNX CO<sup>2</sup> sensor with humidity and temperature regulation with integral bus coupling unit, KNX - Berker S.1/B.3/B.7

### 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 %

CO<sub>2</sub> measuring range 0 / 0,2 %

#### Detection

- up to 4 CO<sub>2</sub> 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 9010 - Pure white

Material Plastic/metal

Surface appearance matt

Type of surface treatment untreated

#### 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 |
| <ul style="list-style-type: none"><li>- heating or cooling possible in 2 stages</li><li>- for heating or cooling mode</li><li>- for single room control</li></ul> |                          |

#### Use

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

#### Safety

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| Halogen free                                                                  | no |
| <ul style="list-style-type: none"><li>- with dismantling protection</li></ul> |    |

#### Use conditions

|                                                                                                                                                                                               |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Operating temperature                                                                                                                                                                         | -5...45 °C |
| Energy efficiency class                                                                                                                                                                       | IV (2%)    |
| <ul style="list-style-type: none"><li>- 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</li></ul> |            |

#### 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 S.1/B.3/B.7                               |
| Secondary design line(s) | KNX, Berker S.1, Berker B.3, Berker B.7                |

#### Instructions

|                  |                               |
|------------------|-------------------------------|
| Information text | Recommendation: use deep box. |
|------------------|-------------------------------|