

Climate controller KST-20 Vento/CO₂

Multifunctional climate controller KST-20 Vento for intelligent ventilation and dehumidification

- ☑ Automatic, controlled climate controller with aH-controlled technology
- ☑ Combined monitoring of room humidity and CO₂
- ☑ Separate connections for supply and exhaust air elements up to 500W
- ☑ Applicable in commercial, private and industrial rooms
- ☑ Display and operating keys, indicating the configuration of the measured values and parameters



Technical data

Characteristics

| | |
|------------------|---|
| Power supply | 230V AC |
| Dimensions | 160x90x50mm (LxWxH) |
| Housing | ASA+PC (UL94 V-0), white, flame-retardant |
| Protection class | IP65 |
| Mounting | wall mounting |

Operating conditions

| | |
|-----------------------|------------------------|
| Operating temperature | 0...50°C |
| EMC / ESD | EN 50082-1, EN 50082-2 |

Measuring ranges of humidity and temperature

| | |
|---------------------------------|-------------------|
| Measuring range humidity | 0...100% rH |
| Accuracy humidity | ± 2% |
| Measuring range temperature | -40...+80°C |
| Accuracy temperature | ± 0.2°C |
| Signal output | I ² C |
| Measuring range CO ₂ | 0...5.000 ppm |
| Adjustable limits | 1.000...1.500 ppm |

*aH-Controlled technology:

- ☑ Comparison of the absolute humidity in the interior and the exterior via climate sensors
- ☑ Only drier outside air is brought inside
- ☑ Automatic, needs-based actor control for room dehumidification

Technical modifications reserved

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Connectivities

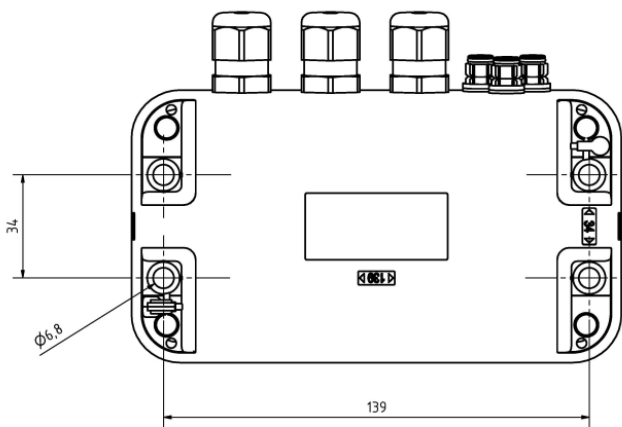
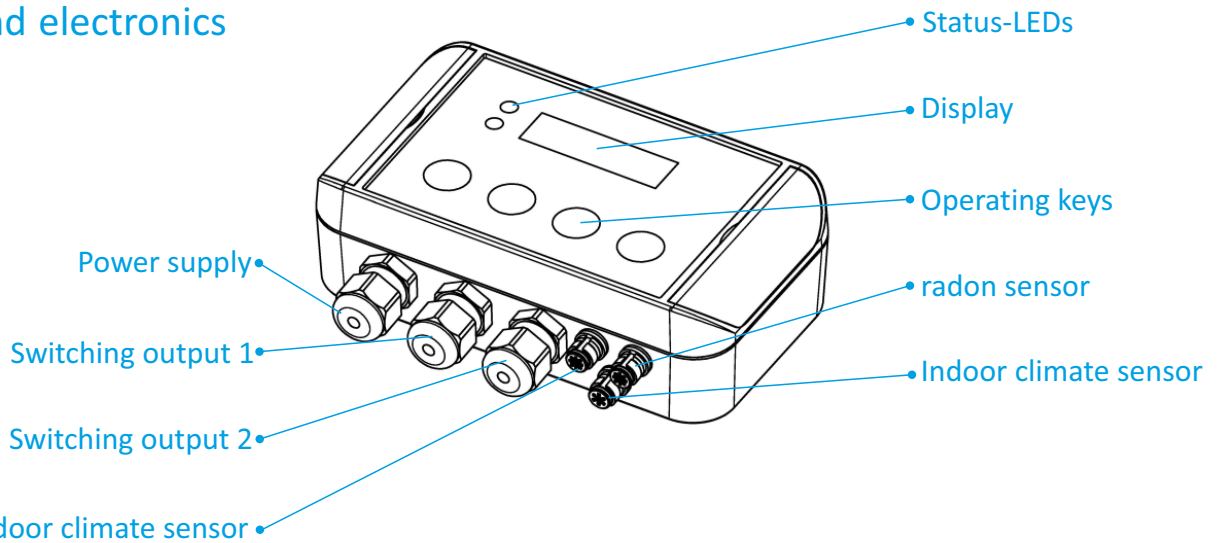
- ☑ Separate connections of supply and exhaust air elements up to 500 W max
- ☑ Alternatively, there is the possibility to connect the following devices
 - ☑ 1-step fans
 - ☑ 2-step fans
 - ☑ Speed-controlled ventilators (0...10VDC)
 - ☑ 230V engine-operated window openers
 - ☑ 12V ventilation valves

Operating modes & features

- ☑ freely adjustable CO₂ limits
- ☑ Room dehumidification depending on the absolute humidity
- ☑ controlled ventilation when CO₂ limits are exceeded
- ☑ Protection against drying
- ☑ Protection against freezing
- ☑ Time switch with active and passive times

Climate controller KST-20 Vento/RN

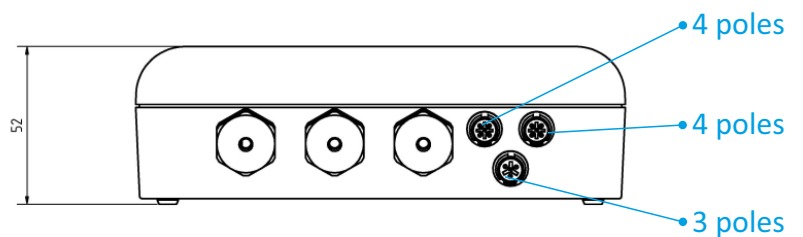
Housing and electronics



Rear view



Lateral view



Connections

Order

Scope of delivery

| |
|--|
| Climate controller KST-20 Vento |
| Indoor climate sensor |
| Separate outdoor climate sensor with a 10m cable |
| Separate radon sensor with a 2,5m cable |
| Power cord |
| Manual |

Options for your order

| |
|---|
| Separate indoor climate sensor with a 2.5m, 5m or 10m cable |
| Separate radon sensor with a 2,5m, 5m or 10m cable |

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