

CO₂ air quality control CSC-20 YUGO

Decentralised control unit with CO₂ sensor for needs-based ventilation for all kinds of rooms

- ☑ Automated, controlled ventilation
- ☑ Maintenance-free, durable CO₂ sensor
- ☑ Separate connections for supply and exhaust air up to 500 W max
- ☑ Display indicating the measured values and operating keys for parameter configuration
- ☑ Applicable for commercial, private and industrial rooms



Technical Data

Characteristics

Voltage supply	230 V AC
Dimensions	160 x 90 x 50 mm (LxHxW)
Housing	ASA+PC (UL94 V-0), flame-resistant
Protection class	IP31
Mounting	Wall mounting

Operating conditions

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

Characteristics CO₂ sensor

Measuring range CO ₂	0...10.000 ppm
Measuring principle	NDIR*1, dual-beam technology
Operating conditions	0...50°C / 0...85% rH
Storage conditions	-30...70°C / 0...85% rH
Signal output	I ² C
Measuring interval	One second
Measuring accuracy	± 50ppm +3% from the measured value

*1 non-dispersive infrared absorption measurement

Connections

- ☑ Separate connections for supply and exhaust air up to 500 W max
- ☑ Alternatively, the following devices can be connected:
 - ☑ One-step fans
 - ☑ Two-step fans
 - ☑ Speed-controlled fans (0...10 V DC)
 - ☑ Motorised window openers, flaps and valves

Functions

- ☑ Menu-guided commissioning
- ☑ Indication of the measured CO₂ concentration and the set switching values
- ☑ Automatic mode (automated ventilation) with hysteresis
- ☑ Simple manual ventilation and interruption of the automatic mode by pressing a button
- ☑ Integrated timer with active and passive times (real-time measurement)

Technical modifications reserved

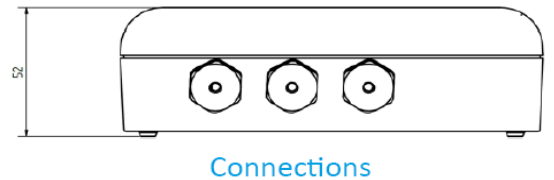
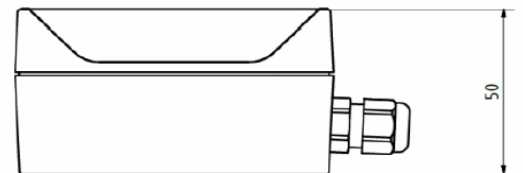
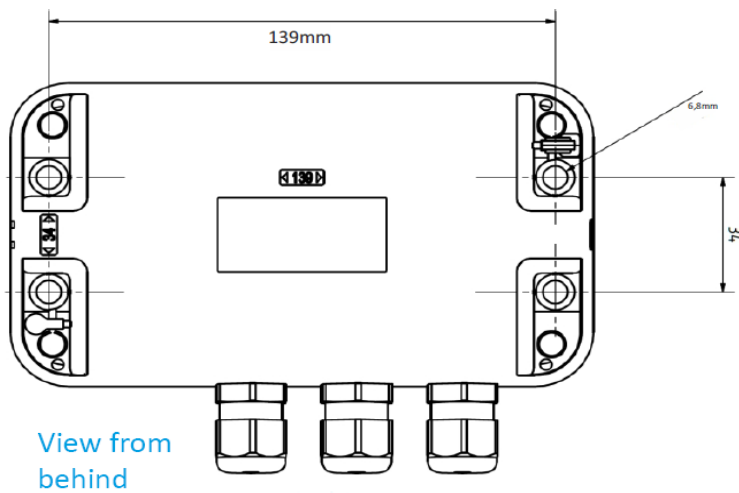
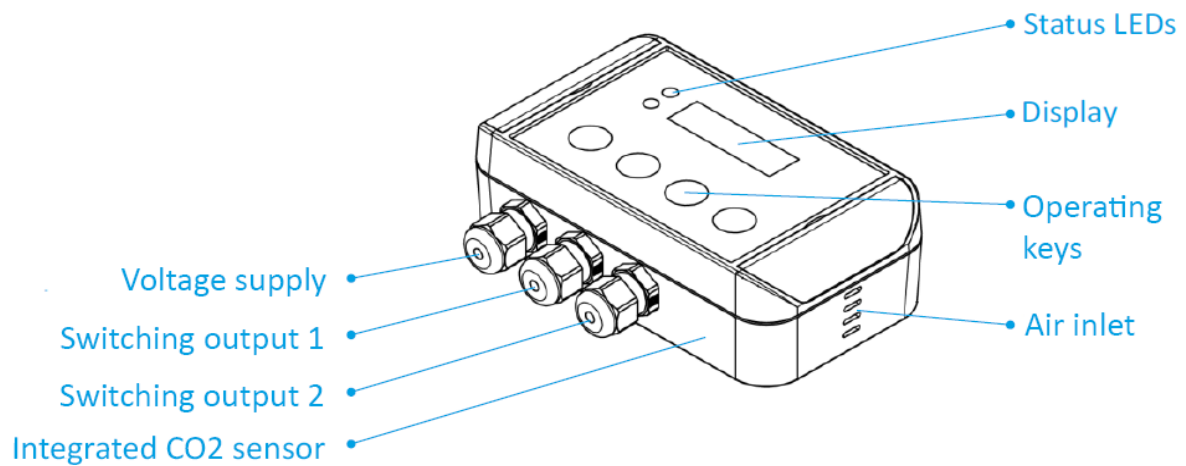
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Housing and electronics



Order

Scope of delivery
CO ₂ control CSC-20 YUGO
Mounting and operating instructions
Mounting material

Technical modifications reserved

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