

Simple and efficient
solution for healthy
indoor air.

CO₂ room sensor combined with UM actuator for controlling air quality

Actively controlling indoor ventilation is becoming ever more important when it comes to healthy indoor air. Therefore Belimo offers a combined solution comprising of a CO₂ room sensor and ultra-compact UM actuator, an economical and autonomous solution.

Control air quality indoors.

→ CO₂ sensor

Air quality sensors from Belimo, for CO₂ measurement, also combined with temperature and humidity functions guarantee optimal indoor air quality with improved comfort and maximum energy savings in buildings. The technology of our CO₂ sensors compensates for long-term and temperature drifts – calibration is thus not necessary.



Sensor 22RTM-19-1 – quick installation thanks to tool-free clamp connection, parametrisation via smartphone (NFC).

→ UM actuators

Ultra-compact model with a torque of 1 Nm for air dampers up to approximately 0.2 m². Nominal voltage AC/DC 24 V and control 2...10 V.



Actuator UM24Y-SR-L

→ Belimo Assistant App

The sensor is parameterised via smartphone and NFC using the Belimo Assistant app. The ZIP-BT-NFC converter is available for smartphones without NFC function.



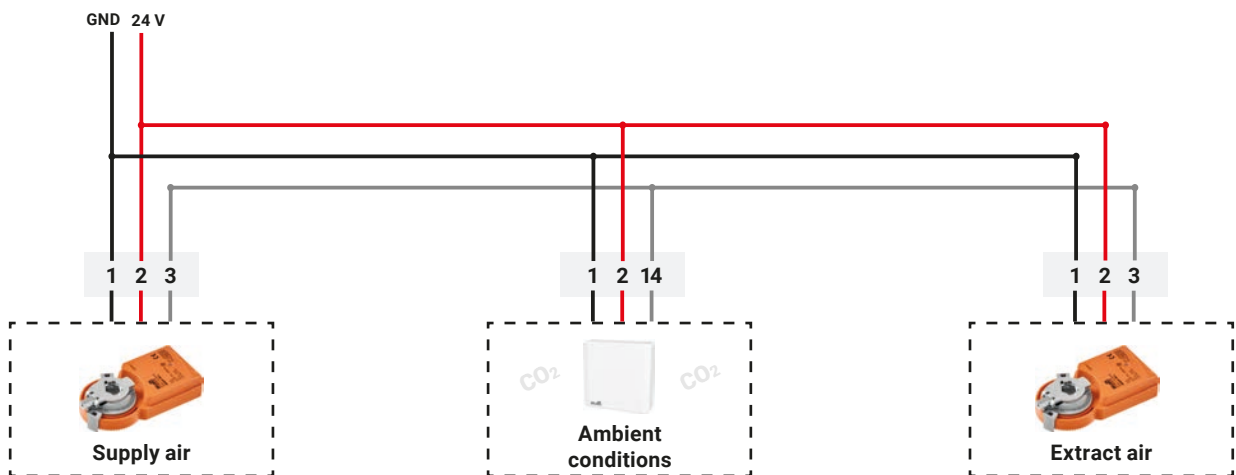
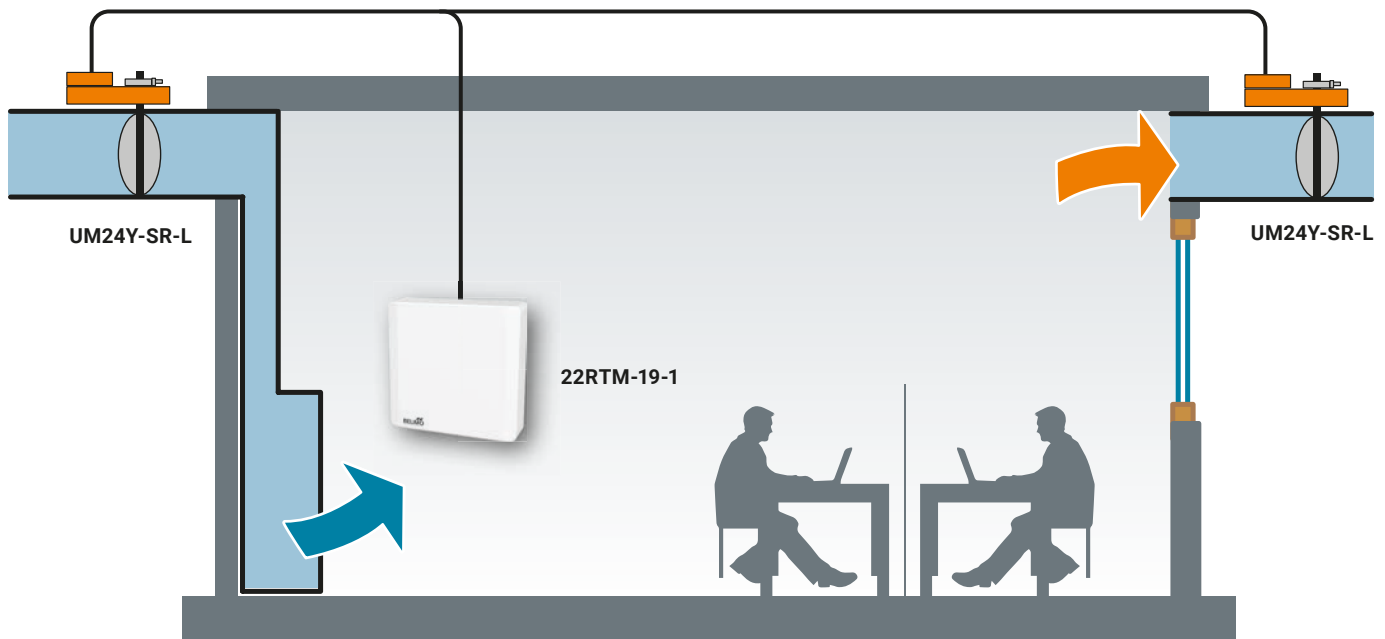
Belimo Assistant App and ZIP-BT-NFC

→ 5-year warranty

We offer you the complete product range of actuator and sensor solutions for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality and a 5-year warranty.



Mode of operation and cabling.



Belimo offers you an autonomous system for controlling air flows depending on the measured CO₂ content with contactless parameterisation, diagnosis and readout of measured values via smartphone (NFC).

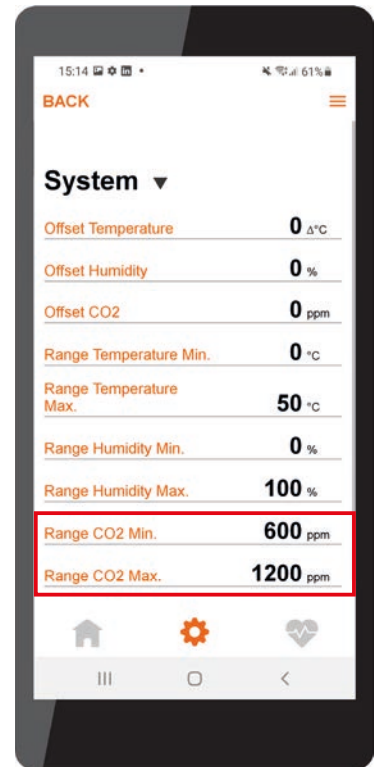
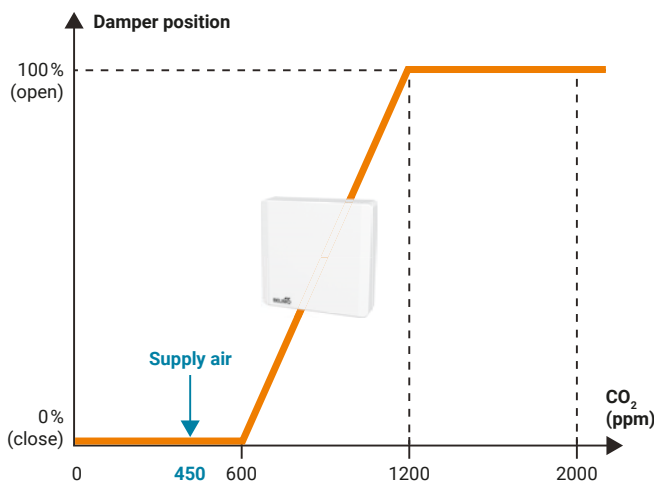
The pressure in the supply air and exhaust air ducts must be ensured with a section control (see VAV-Universal product range). Alternatively, pressure-independent VAV units can be used instead of motorised air outlets.



Measurement, parametrisation and diagnostics.

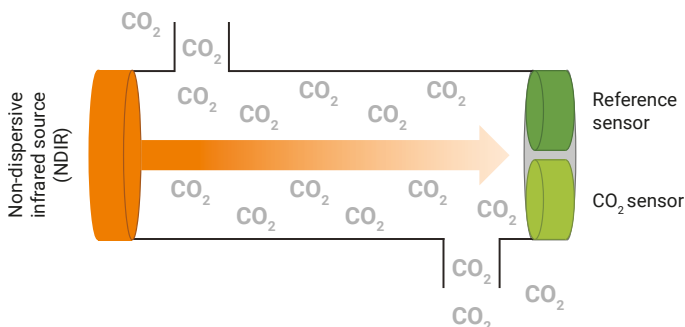
Parametrisation

The Belimo Assistant App enables simple parametrisation of the room sensor via smartphone using NFC. The sensor can also be parameterised when de-energised.



The CO₂ sensor from Belimo – reliable and requires no calibration

Dual-channel self-calibration technology guarantees measuring accuracy throughout the service life, so no calibration is required.



BELIMO ASSISTANT APP

The Belimo Assistant App is free to download from Google Play or the App Store.



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