

**Simple and efficient  
solution for healthy  
indoor air.**

### **CO<sub>2</sub> 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 CO<sub>2</sub> room sensor and ultra-compact UM actuator, an economical and autonomous solution.

# Control air quality indoors.



## CO<sub>2</sub> sensor

Air quality sensors from Belimo, for CO<sub>2</sub> and VOC 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 CO<sub>2</sub> 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 m<sup>2</sup>. 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-USB-NFC converter is available for smartphones without NFC function.



Belimo Assistant App and ZIP-BT-NFC

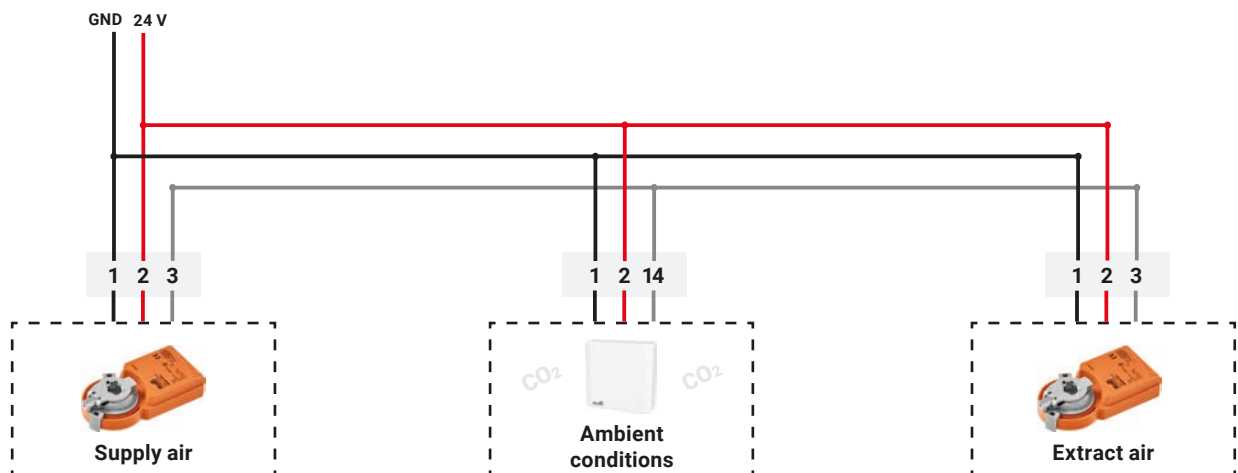
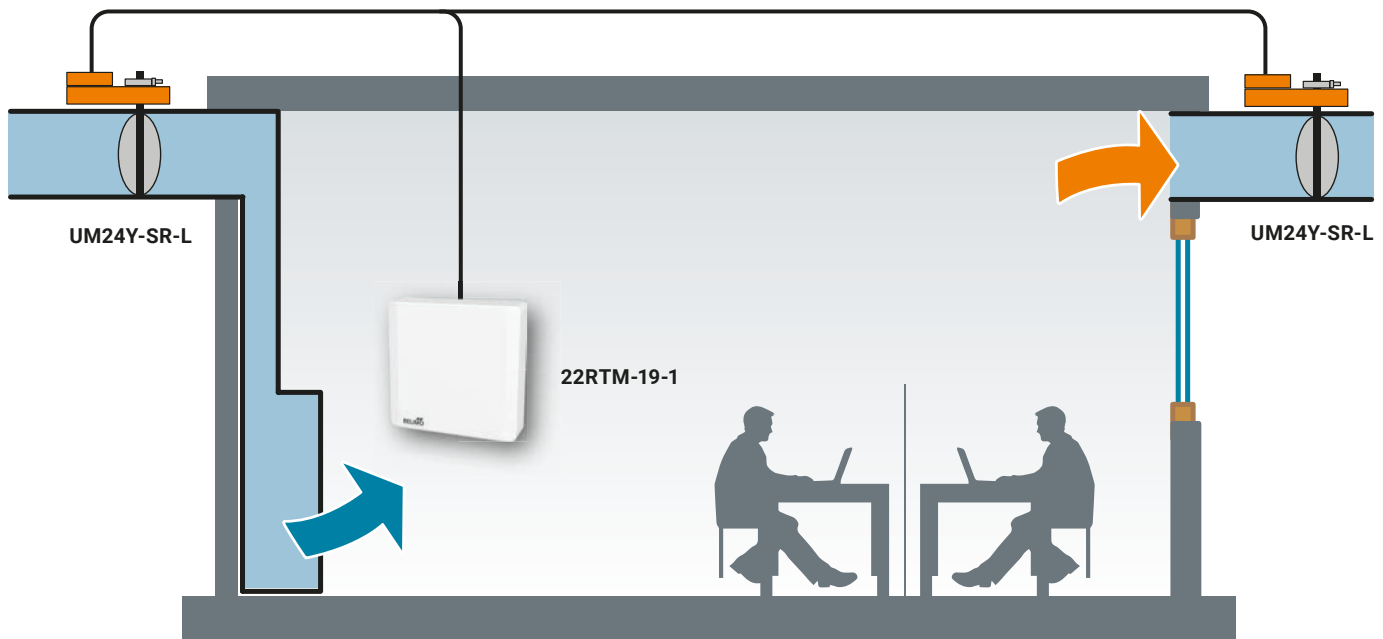


## 5-year warranty

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 CO<sub>2</sub> content with contactless parameterisation, diagnosis and readout of measured values via smartphone (NFC).

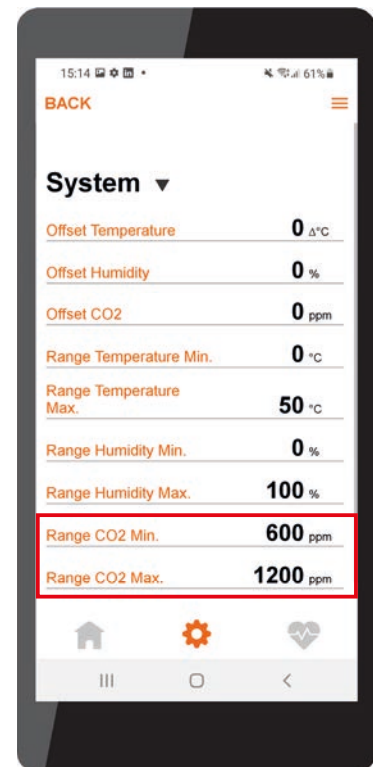
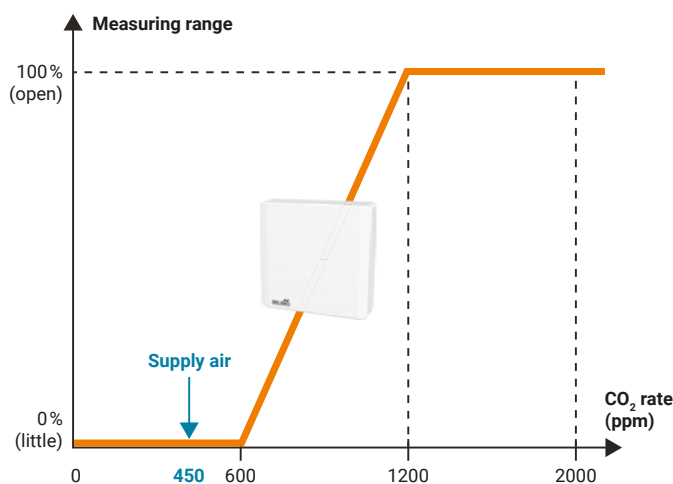
The pressure in the supply air and exhaust air ducts must be ensured with a section control (see VAV-Universal product range). Alternatively, pressure-independent VAV units can be used instead of motorised air outlets.



# Measurement, parametrisation and diagnostics.

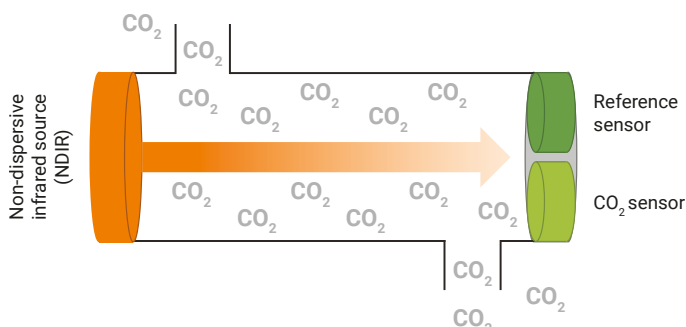
## Parametrisation

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



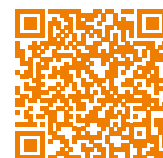
## The CO<sub>2</sub> sensor from Belimo – reliable and requires no calibration

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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