

**Installation in a Snap.**

**Small Devices.  
Big Impact.**

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Manager, Sensor Solutions**



## Why Installation Time Matters



# Seamless Sensor Installation

## Substantial Time Savings with Belimo Sensors

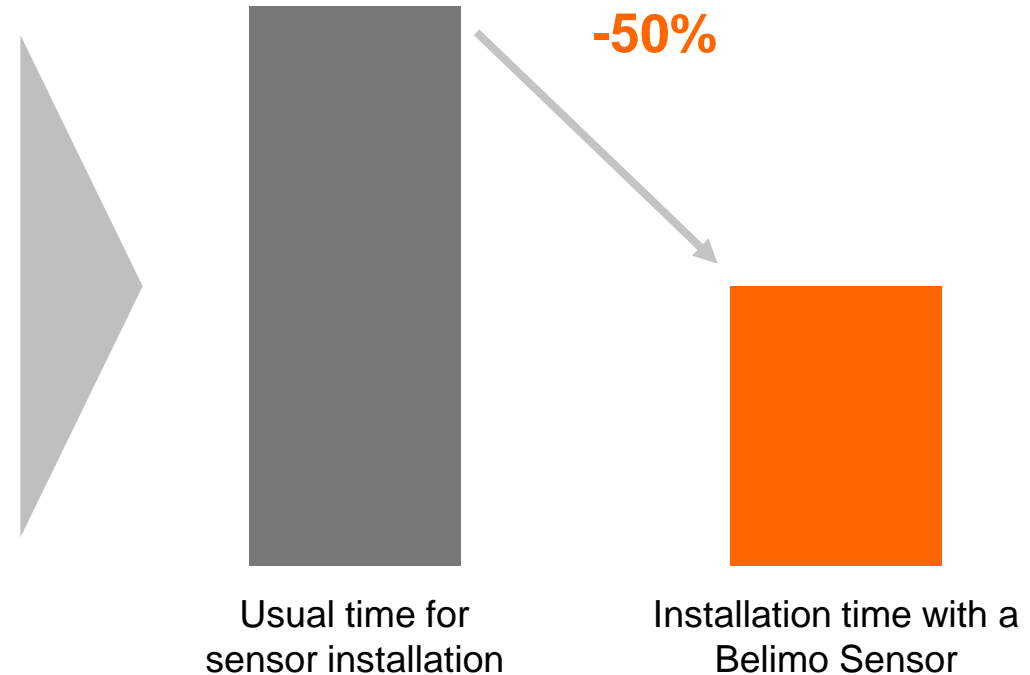


### Belimo Sensors

- Designed for easy & fast installation



Customers stated that they can save up to 50% installation time with Belimo Sensors



# Perfect complement to actuators & valves

Duct, pipe and outdoor air



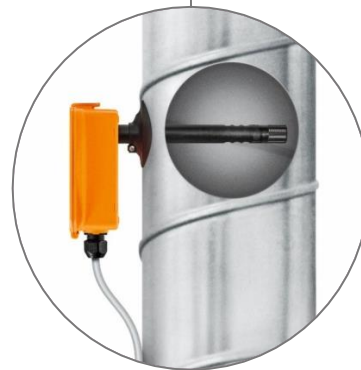
TEMPERATURE



HUMIDITY



AIR QUALITY



PRESSURE



FLOW



BACKED BY WORLD CLASS  
SERVICE AND SUPPORT



**BELIMO<sup>®</sup>**

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**Seamless  
Sensor  
Installation**

# Seamless Sensor Installation

Intuitive and time-saving





**Seamless  
Sensor  
Selection**



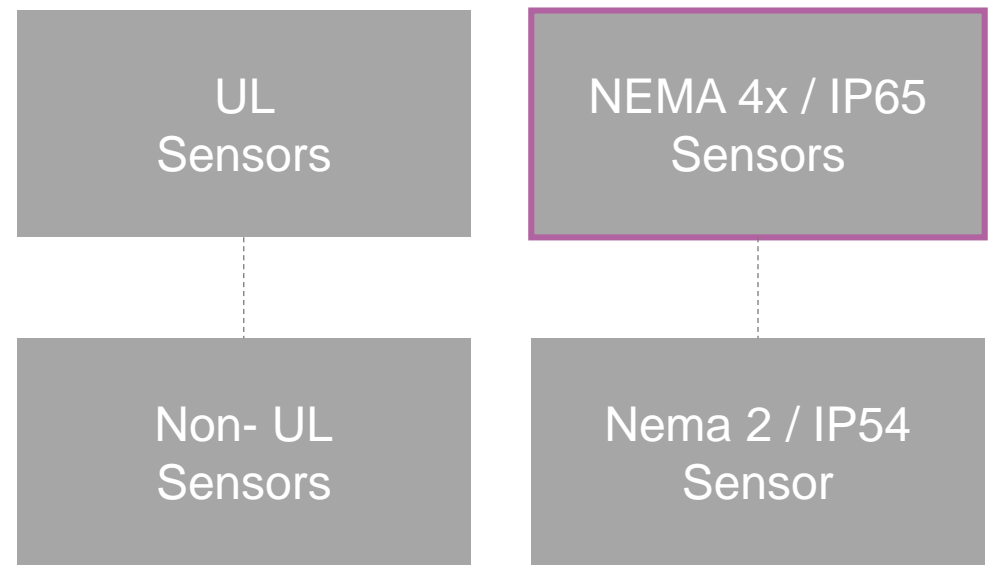
# Simplicity of the Belimo Sensor Range

Less Variants – NEMA 4x / IP65 and UL as standard



### Competition:

NEMA 4x / IP65 & UL as (expensive) options



### Belimo:

NEMA 4x / IP65 and UL as standard



# Simplicity of the Belimo Sensor Range

Less variants thanks to selectable active multi-ranges



8x  1x

**Example:**  
Active Temperature Sensors

All in 1 unit!

1. -30°F to 130°F (-50°C to +50°C)
2. 0°F to 250°F (-10°C to 120°C)
3. 40°F to 140°F (0°C to 50°C)
4. 30°F to 480°F (0°C to 250°C)
5. 0°F to 100°F (-15°C to 35°C)
6. 40°F to 240°F (0°C to 100°C)
7. 40°F to 90°F (-20°C to 80°C)
8. 0°F to 150°F (0°C to 160°C)



8x  1x

**Example:**  
Air Pressure Sensors

All in 1 unit!

1. 0...10"wc (2500 Pa)
2. 0...8"wc (2000 Pa)
3. 0...6"wc (1500 Pa)
4. 0...4"wc (1000 Pa)
5. 0...2"wc (500 Pa)
6. 0...1"wc (250 Pa)
7. 0...0.4"wc (100 Pa)
8. -0.4 to 0.4"wc (-100...100 Pa)



# Belimo Humidity / Temperature Sensors

High quality sensor with high flexibility



Multi sensor with selectable outputs:  
relative humidity, absolute humidity, enthalpy, dew point  
DCV / Outdoor air ventilation



Up to four active temperature  
measurement ranges



**PRODUCT SERIES:**  
Outdoor Air, Duct, and Condensation



**BACnet™**




**Modbus**

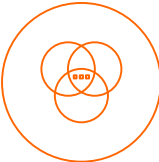



# Air quality sensors

## Features

 Dual Channel CO<sub>2</sub> sensor based on NDIR technology

 Dual Channel self-calibration technology

 Integrated temperature, humidity, CO<sub>2</sub>, VOC sensor  
 **BACnet**™: Abs RH, Enthalpy, Dewpoint

 Maintenance free



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### PRODUCT SERIES:

CO<sub>2</sub> + Temperature, CO<sub>2</sub> + Humidity + Temperature,  
CO<sub>2</sub> + VOC, CO<sub>2</sub> + VOC + Temperature, CO<sub>2</sub> + VOC + CO<sub>2</sub> / VOC + Temperature

# Belimo Pressure Sensors

For sustainable high comfort



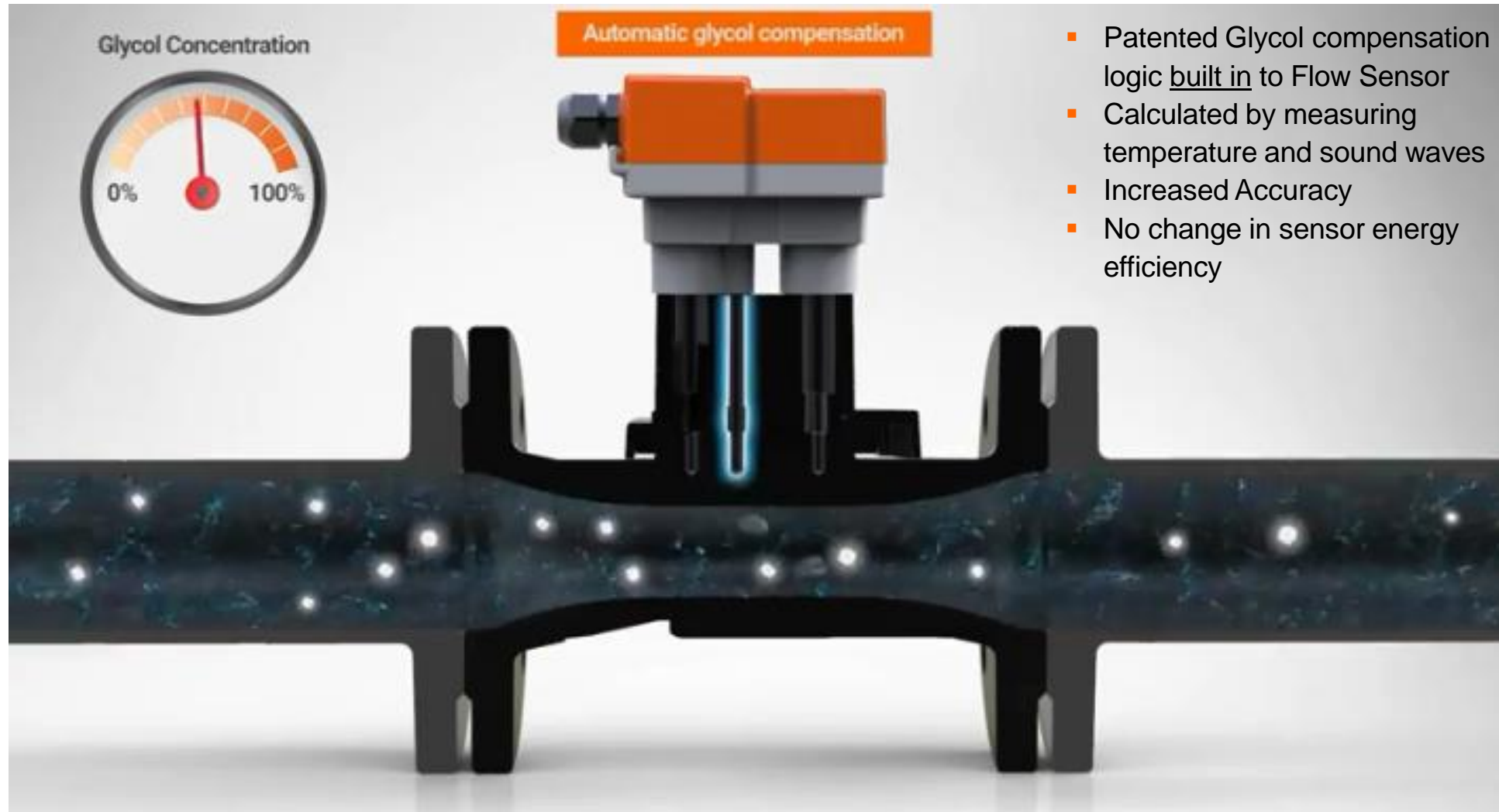
Zero-point stability  
High accuracy. Accuracy:  $\pm 0.004''\text{wc}$  (1pa) for Low Range  
True Auto-zero or Manual Auto-zero calibration  
(Eliminates Accuracy Drift)



Maintenance free  
8 field selectable pressure ranges  
LCD



# Glycol Compensation Technology





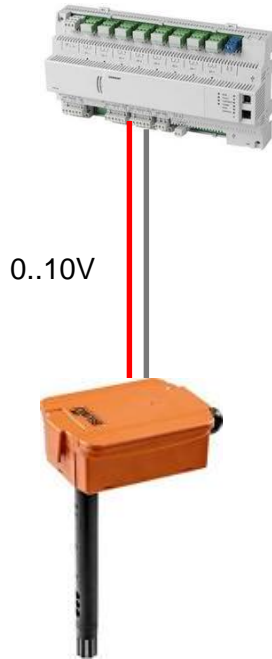
**Seamless  
Sensor  
Integration**

# Seamless Integration of Belimo Sensors

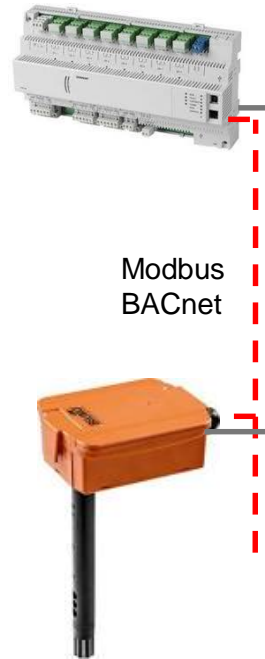
Typical methods – all supported by Belimo



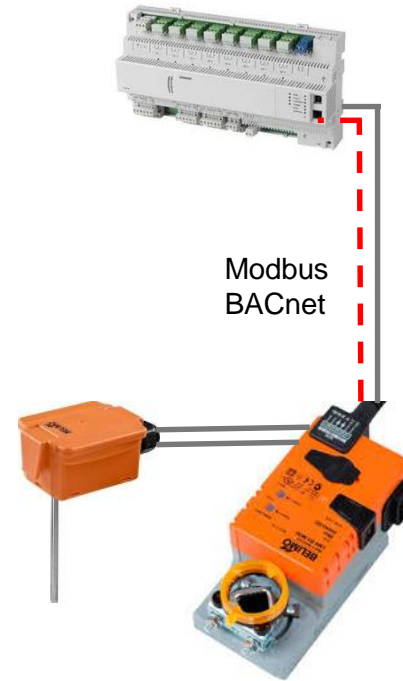
passive sensor integration



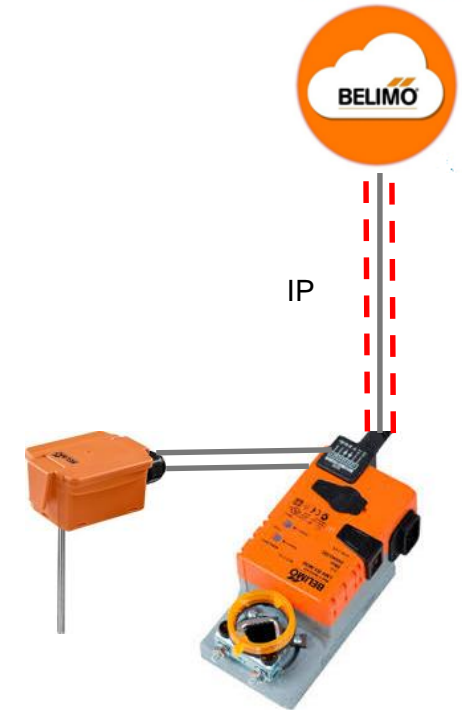
active sensor integration



Modbus / BACnet integration



DDC Integration through Belimo actuator



Cloud Integration through Belimo actuator





## Belimo Sensors - Installation in a Snap

### Seamless Selection

- Universal housing design
- Less variants, less inventory
- All accessories included

### Seamless Installation

- Mounting plate
- Removable terminals
- Snap-on covers

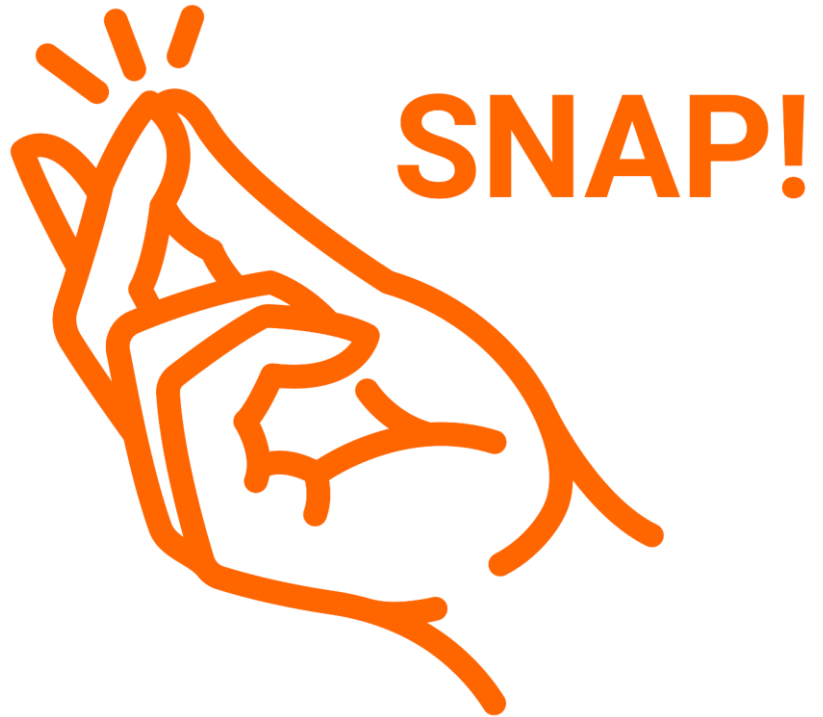
### Seamless Integration

- BACnet BTL-approval
- Easy commissioning thanks to removable terminal block

# Belimo Sensors



Installation in a ...



Small Devices. Big Impact

The logo graphic consists of two parallel, slanted orange bars positioned above the 'I' and 'M' of the word 'BELIMO'.

**BELIMO**<sup>®</sup>

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# BACKUP

# Installation time matters

## A major cost element in a controls job

