

Belimo Solutions for Air Handling Unit Applications Edition 2025-03/A



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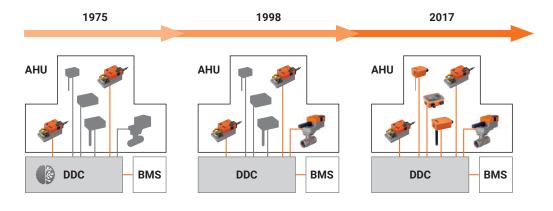


Actuator, valve and sensor solutions

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Swiss quality since 1975

Belimo stands for continuous product innovation and high-quality control devices, such as air damper actuators, control valves, valve actuators and sensors. With the introduction of the first electric air damper actuators in 1975, Belimo laid the foundation for AHU (air handling unit) products. In 1998, valves and valve actuators were added. With the introduction of sensors in 2017 means Belimo now offers a complete product range to equip AHUs with control devices. AHUs are, therefore, an important application for Belimo and are increasingly moving into focus.





Small devices, big impact.

Customer value is one of Belimo's top priorities. This is how we are able to offer our customers unparalleled solution leadership. We achieve this by focusing on five critical factors in product development: all our products must provide a high level of comfort, be energy efficient and safe for people, buildings and goods. To this end, it is important that the entire Belimo product range can be installed easily and quickly and that maintenance costs are kept to a minimum.

This is done with an awareness that "small" products from Belimo have a "big impact" on the functioning of HVAC systems.

DOCUMENTATION / DOWNLOAD

E Belimo Product and Price Catalogue

Belimo website

Applications

Air



sensors for a variety of applications in modern non-residential buildings. This documentation focuses on products for the Air Handling Unit application.

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Application Air Handling Unit

Ventilation and air conditioning systems play an important role in keeping rooms comfortable and providing healthy air. In addition, sensitive processes and production facilities place high demands on the room climate and indoor air quality. AHUs form the core of these systems. They provide the supply air in the required quality and quantity. Belimo actuators and sensors contribute significantly to this.

Correct temperature and humidity conditioning

- Reliable sensors for accurate measurement of temperature and humidity
- Pressure-independent control valves for precise and stable temperature control

Proper amount of outdoor air

- Comprehensive actuator and sensor product range for control of air volume, thermal condition and quality
- Reliable sensors to ensure IAQ (indoor air quality)

Proper filtration

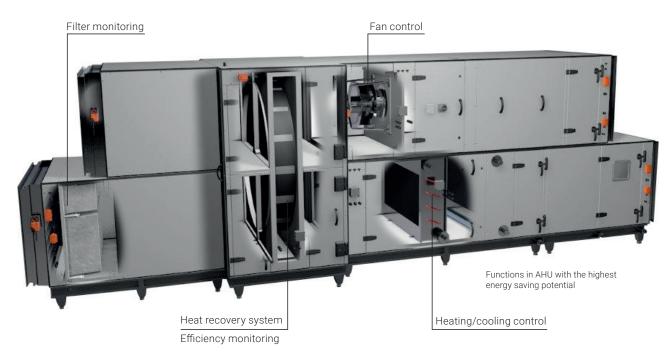
 Differential pressure switches or single/dual differential pressure sensors for filter monitoring

DOCUMENTATION / DOWNLOAD



Air handling units (AHU)

Energy savings



The intelligent use of building technology systems can significantly improve indoor environmental quality (IEQ) by responding to the needs of building occupants.

However, the use of more energy efficient products, enabled by smart/ connected technology, is an important prerequisite for energy efficiency in the built environment and its contribution to the unprecedented decarbonisation ambitions of the European Green Deal. In this context, European directives and regulations such as Ecodesign and EPBD (Energy Performance of Buildings Directive) require air handling units to be more energy efficient.

TECHNICAL BUILDING SYSTEMS

- Belimo field devices are an important part of the technical building systems

ENERGY SAVINGS

 Belimo products play an important role in realising the current and future energy savings potential of an AHU

 \rightarrow

Belimo – benefits

AHU energy savings potential	Belimo's important contribution: Small devices, big impact.	
Fan control	Accurate and reliable differential pressure sensors ensure the correct amount of air is delivered	
Heating/cooling control Belimo Energy Valves provide transparent monitoring of the system, increasing the efficiency and controllability of the heating and cooling coils		
Heat recovery system Efficiency monitoring	Easy-to-install temperature and humidity sensors monitor the energy recovery syst ensure efficiency	
Filter monitoring Accurate and reliable differential pressure sensors monitor and indicate the stat filters to ensure timely filter replacement		

-> Note: You can find more potential for energy savings right here.

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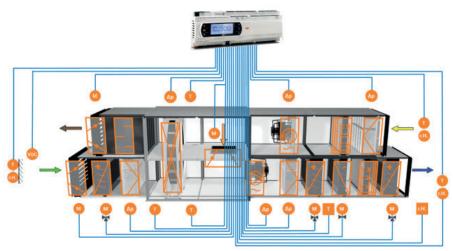
Bus solutions from Belimo

Energy and cost savings

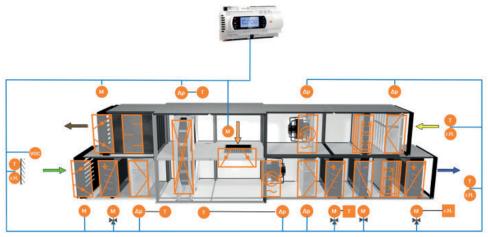
The networking of building technology systems increases comfort, safety and transparency in air-conditioned buildings. This transparency can help optimise operations and reduce overall energy consumption, especially in air handling units. Individual components can be easily networked using bus systems.

A bus system provides several advantages, such as:

- Unrestricted access to control, feedback and parameters on each individual device
- Cost-effective total wiring solution (fewer wires, smaller cabinet, fewer I/Os in the control)
- Faster installation and lower fire load due to fewer wires
- Integration of one or two active or passive sensors to ensure a cost-effective overall solution

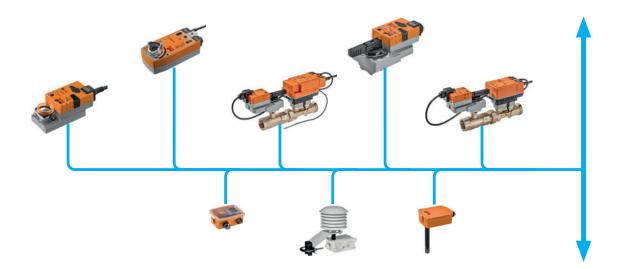


Classical field communication



Easy networking with bus system

Bus systems



Modbus

Modbus is a communication protocol that has become a de facto standard, widely used around the world and in a wide range of applications.

Direct connection to Modbus RTU

The RS-485 interface installed in the Modbus devices enables the direct connection of the field devices to Modbus RTU. Up to 32 actuators can be connected to a Modbus line.

Modbus is very popular with many AHU manufacturers due to its ease of implementation. This documentation focuses mainly on our Modbus products, although Belimo offers a wide range of products for other bus systems (please see section on MP-Bus) or analogue control.

MP-Bus – alternative communication

In addition to Modbus RTU, Belimo MP-Bus is an alternative form of communication. The MP-Bus can be used especially for smaller, stand-alone ventilation units.

MP-Bus was developed as a single-client/multi-server bus system for HVAC actuators and sensors. It allows up to eight different field devices to be grouped together and connected to any higher-level system. DDC controllers with an integrated MP interface serve as the MP client.

Modbus

MP/27BUS

DOCUMENTATION / DOWNLOAD

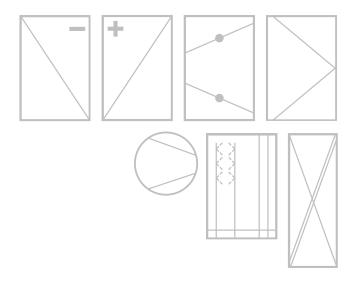
Belimo product range with MP-Bus

E MP-Bus cooperation partners

PLANNING INFORMATION / DOWNLOAD

Notes for project planning

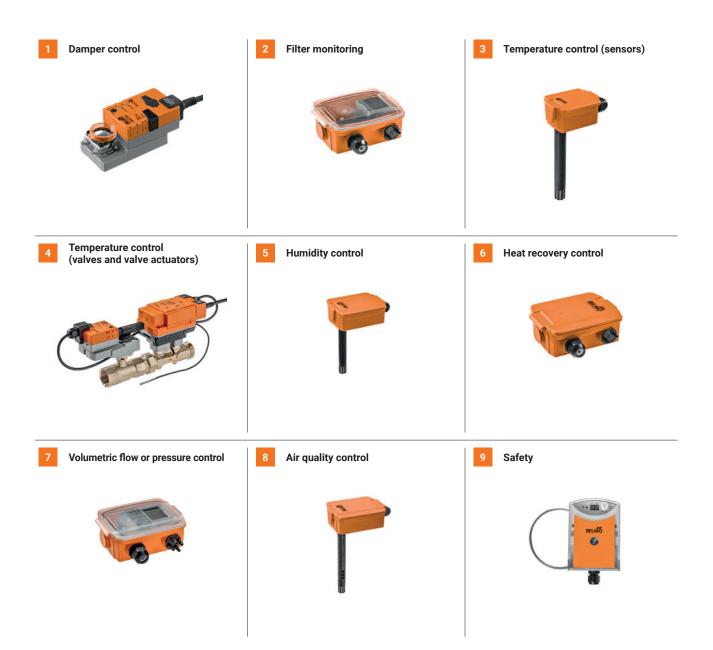
Dverview – Bus solutions from Belimo



AHU functions and Belimo products



Belimo product range for AHU



SUPPORT

If you do not find your product in this booklet or on the Belimo website, please get in touch with your local Belimo contact person. We will find an alternative for you.

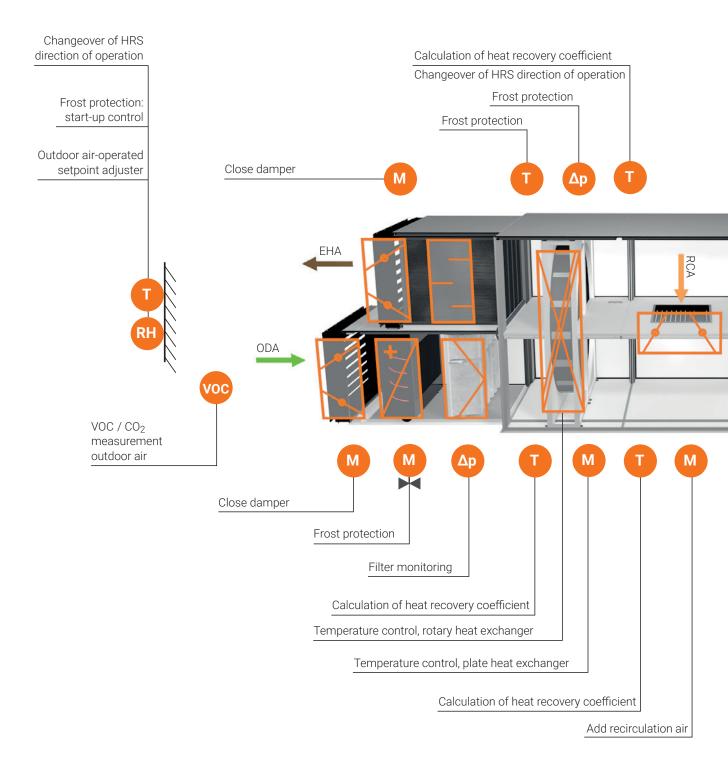
DOCUMENTATION / DOWNLOAD

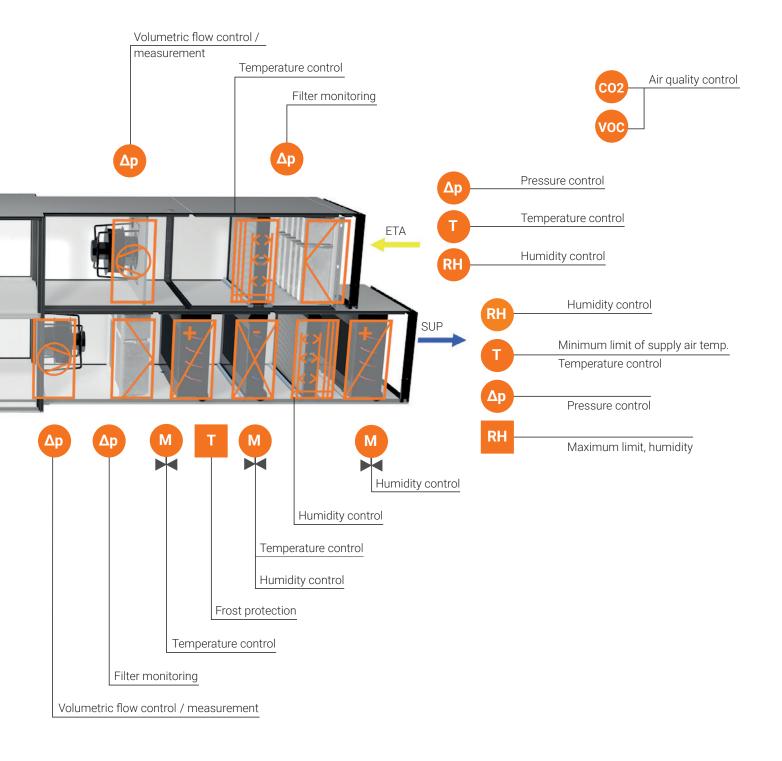


Legend

No.	Symbol function	Symbol definition	Belimo solution	Page
1		Damper control	Fail-safe actuators Non fail-safe actuators	M 14
2		Filter monitoring	Differential pressure sensors Differential pressure switches	Δp 15
3 4	+	Temperature control	Temperature sensors Valves and valve actuators	T T 16
5		Humidity control	Humidity sensors	H RH 20
6		Heat recovery control	Temperature sensors Differential pressure sensors	T Ap 21
7	\bigcirc	Volumetric flow Pressure control	Differential pressure sensors	<u>ک</u> 22
8		Air quality control	Air quality sensors	0C CO2 23
9	+	Safety	Frost monitors Duct humidistat	T RH 24

Overview





BELIMO PRODUCT RANGE

For every function of an air handling unit, Belimo has the right answer. Whether you need an actuator, valve or sensor with Modbus communication, you can choose from a wide range of products.

Damper control 1

Belimo damper actuators are designed for outdoor air dampers, exhaust air dampers or bypass dampers for heat recovery systems in air handling units. They ensure reliability and reduced current consumption. Direct mounting to the damper ensures reliable torque transmission.

Key features

- Energy efficiency due to reduced power consumption at rest position
- Integration of additional sensor signal (active/passive/switch)
- Fast addressing by push-button on actuator
- Connection possibilities by 1 m cable or RJ12 socket



Rotary actuators, non fail-safe

Actuator type	Specifications	Data sheet	Installation instructions
LM24A-MOD	5 Nm / 35150 s	Ē	Ē
NM24A-MOD	10 Nm / 43173 s	E	E
SM24A-MOD	20 Nm / 86346 s	Ē	Ē
GM24A-MOD	40 Nm / 75290 s	E	Ē
SMC24A-MOD	20 Nm / 35150 s	E	Ē



Rotary actuators, fail-safe

Actuator type	Specifications	Data sheet	Installation instructions
NF24A-MOD	10 Nm / 40150 s	Ē	
SF24A-MOD	20 Nm / 70220 s	Ē	Ē
GK24A-MOD	40 Nm / 90150 s	Ē	Ē

DOCUMENTATION / DOWNLOAD

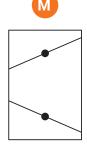


Modbus Interface Description Further documentation

ALTERNATIVES / WEBLINKS

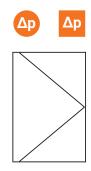
Belimo offers a comprehensive product range of actuators with standard control options:

Fail-safe actuators Non fail-safe actuators Fast running actuators Linear actuators Actuators for harsh environmental conditions



2 Filter monitoring

Accurate pressure measurements are important for optimal HVAC system performance. Belimo differential pressure sensors measure very low to high pressures in air. The sensors accurately measure pressure and differential pressure and calculate the volumetric flow for reliable control and monitoring. Filters can be monitored by differential pressure switches or differential pressure sensors. Belimo recommends the use of differential pressure sensors due to their continuous monitoring capability and indication of the current status.



Key features

- Excellent zero-point stability and high accuracy
- Detachable mounting plate
- IP65 protection with snap-on cover
- Removable pluggable spring loaded terminal block / modular cable glands



Differential pressure sensors

Sensor type	Specifications	Data sheet	Installation instructions
One measuring	system		
22ADP-154	-1002500 Pa, multirange, 2 outputs (05 V / 10 V, pressure / flow)		
22ADP-154L	-1002500 Pa, multirange, LCD display, 2 outputs (05 V / 10 V, pressure / volumetric flow)	=	Ē
Two measuring	systems		
22ADP-154D	–1002500 Pa, multirange, 2 outputs (05 V / 10 V, pressure / flow)	Ē	
22ADP-154F	– 1002500 Pa, multirange, LCD display, 2 outputs (05 V / 10 V, pressure / flow)		
22ADP-154H	-1002500 Pa, multirange, 2 inputs (NTC10k / switch), 2 outputs (05 V / 10 V, pressure / flow)	Ē	≣
22ADP-154K	-1002500 Pa, multirange, LCD display, 2 inputs (NTC10k / switch), 2 outputs (05 V / 10 V, pressure / flow)	=	_

Note: Single differential pressure sensors also available with pressure range -100...250 Pa or with automatic zero-point calibration.



Differential pressure switches

Sensor type	Specifications	Data sheet	Installation instructions
01APS-10R	20300 Pa / field-adjustable switch point	_ □	
01APS-10U	50500 Pa / field-adjustable switch point	— 🗐	E

Note: Switches also available with pressure range 200...1'000 and 500...2'500 Pa. Also available in multipacks of 45 pcs.

DOCUMENTATION / DOWNLOAD

Modbus Interface Description
Further documentation

ALTERNATIVES / WEBLINKS

Belimo offers a comprehensive product range of sensors with standard control options:

Active differential pressure sensor

3 Temperature control

Sensors

Reliable and accurate temperature readings are essential for optimal building comfort and energy efficiency. The outdoor air, duct and pipe temperature sensors are designed for precise and easy measurement and simple mounting.

Key features

- Up to eight field-selectable ranges to simplify logistics, reduce inventory and increase flexibility
- Additional sintered moisture protection coating on all duct, immersion and cable sensors protects against condensation, mechanical stress and vibration
- IP65 protection with snap-on cover
- Removable pluggable spring loaded terminal block / modular cable glands



Air temperature sensors (Modbus)

Sensor type	Specifications	Data sheet	Installation instructions
Duct	specifications		mandetions
22DTH-15M	Probe length 140 mm / -2080°C	E	
22DTH-15Q	Probe length 270 mm / -2080°C	Ē	E
22DTM-15	Probe length 180 mm / 050°C	E	
Outdoor			
22UTH-150X	-3590°C	E	E

Note: Modbus air temperature sensors can also measure humidity.

Air and water temperature sensors (active / passive)



Sensor family	Specifications	Data sheet	Installation instructions
01DT / 22DT	Duct and pipe		
01HT / 22HT	Contact	-	
01MT / 22MT	Average value	Ē	E
01UT / 22UT	Outdoor		_
01CT / 22CT	Cable sensor	-	

Note: Active sensors (22..) available with output 0...5 / 10 V or 4...20 mA. All sensors available with various probe lengths (except outdoor sensors).

Passive sensors (01..) available in a variety of types (Pt/Ni).

-> For higher demands, active sensors (22..) can also be supplied with Modbus communication.

DOCUMENTATION / DOWNLOAD

Modbus Interface Description
Further documentation

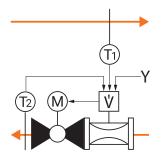
4 Temperature control

Control valves and valve actuators

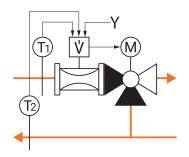
Belimo recommends using Belimo Energy Valve for all air heaters and air coolers in AHUs as they can detect, display and compensate for pressure fluctuations and temperature changes in the system. This provides transparent monitoring of the system, increases the efficiency and controllability of these heat exchangers and thus reduces costs.



- Measuring: Integrated sensors to measure temperature spread, flow and therefore heating or cooling capacity
- Controlling: Control of valve position, flow or power to perfectly control the heat exchanger
- Balancing: The Belimo Energy Valve[™] ensures the correct quantity of water, even during differential pressure changes and partial load operation
- Energy monitoring: Identify optimisation potential by capturing all system data



2-way flow diagram



3-way flow diagram

Belimo Energy Valve[™]

Complete transparency and highest efficiency

Sensor type	Specifications	Data sheet	Installation instructions
EV0R2+BAC	2-way / DN 1550	Ē	
EV0R3+BAC	3-way / DN 1550	Ē	E

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Note: 2-way Belimo Energy Valve[™] also available for DN 65...150 and with fail-safe.



DOCUMENTATION / DOWNLOAD

Modbus Interface Description
Further documentation

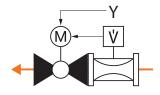
PLANNING INFORMATION / DOWNLOAD

E Application brochure Air Handling Units

Control valves and valve actuators

Key features

- Controlling: Control of valve position or flow to perfectly control the heat exchanger
- Balancing: The EPIV ensures the correct quantity of water, even during differential pressure changes and partial load operation
- Isolating: No leakage thanks to air-bubble tight characterised control valve



2-way flow diagram

Electronic pressure-independent characterised control valves (EPIV)

Sensor type	Specifications	Data sheet	Installation instructions
EPR+MOD	2-way / DN 1550	E	E

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Note: EPIV also available for DN 65...150. EPIV also available with fail-safe.



DOCUMENTATION / DOWNLOAD

Modbus Interface Description
Further documentation

PLANNING INFORMATION

E Application brochure Air Handling Units

Control valves and valve actuators

Key features

- Controlling: Control of valve position for perfect heat exchanger control
- Isolating: No leakage thanks to a air-bubble tight characterised control valve
- Reliable: Self-cleaning ball valve
- Connection possibilities by 1 m cable or RJ12 socket



2-way flow diagram



Characterised control valves (CCV)

Reliable control of heating and cooling circuits

Actuator type	Specifications	Data sheet	Installation instructions
LR24A-MOD	5 Nm / 35420 s	Ē	
NR24A-MOD	10 Nm / 45170 s	Ē	Ē
SR24A-MOD	20 NM / 90350 s	Ē	

Note: Valve actuators also available with 1 Nm and 40 Nm. Valve actuators also available with fail-safe. Wide range of control valves available in various sizes (DN), 2-way and 3-way, internal and external threads and flanges

DOCUMENTATION / DOWNLOAD

Modbus Interface Description Ξ Further documentation

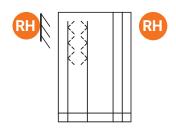
ALTERNATIVES / WEBLINKS

Belimo offers a comprehensive product range of valve actuators with standard control options: Technical brochure - Water applications

+

Humidity control

Ideal humidity conditions are required for optimal comfort in a building, as well as for building infrastructure, production processes, stored goods or works of art. The product range of long-term stable humidity sensors for duct, outdoor air and condensation enables energy-optimised operation and ensures compatibility with all major building automation systems. High-quality and reliable sensors ensure accuracy and repeatability of sensor readings. Combined temperature and humidity sensors provide a flexible and cost-effective solution.



Key features

- Polymer capacitive sensor with ± 2 % relative humidity accuracy and long-term drift <±0.3%
- Multi-sensor with selectable measured values: relative humidity, absolute humidity, enthalpy and dew point
- IP65 protection with snap-on cover
- Removable pluggable spring loaded terminal block / modular cable glands



Humidity and temperature sensors (Modbus)

Sensor type	Specifications	Data sheet	Installation instructions
Duct			
22DTH-15	Probe length 140 mm, -3590°C, 0100% RH		
22DTH-15M	Probe length 140 mm, -3590°C, 0100% RH	Ē	Ē
22DTH-15Q	Probe length 270 mm, -3590°C, 0100% RH		
Outdoor			
22UTH-150X	-3590°C, 0100% RH	Ē	Ē

Note: Sensors can measure relative and absolute humidity, enthalpy and dew point.



Humidity and temperature sensors (active)

Product	Sensor family	Specifications	Data sheet	Installation instructions
	22DTH	Duct		
	22UTH	Outdoor	 E	
a) - the				

Note: Active sensors (22..) available with output 0...5 V / 10 V or 4...20 mA.

DOCUMENTATION / DOWNLOAD



6 Heat recovery control

To reduce energy consumption, the Ecodesign Directive requires a heat recovery system (HRS) for all bi-directional ventilation units in Europe. Reliable and accurate monitoring of the heat recovery system for ice formation and efficiency is necessary to achieve the required efficiencies.

Key features

→ Same as for Filter monitoring (page 15), Temperature control (page 16) or Volumetric flow or pressure control (page 22).

Frost protection:



Differential pressure sensors for ice detection

Sensor type	ADP-15Q One measuring system, 0250 Pa, multirange	Data sheet	Installation instructions
22ADP-15Q			
22ADP-15QL		- <u>F</u>	

Note: Differential pressure sensors 0...250 Pa also available with automatic zero-point calibration. Single differential pressure sensors also available with pressure range -100...2500 Pa.

Calculation of heat recovery coefficient:



Air temperature sensors (Modbus)

Specifications	Data sheet	Installation instructions
Probe length 140 mm, -3590°C		
Probe length 270 mm, -3590°C	= =	Ē
Probe length 140 mm, -3590°C	Ē	E
-3590°C	Ē	Ē
	Probe length 140 mm, -3590°C Probe length 270 mm, -3590°C Probe length 140 mm, -3590°C	Probe length 140 mm, −3590°C Probe length 270 mm, −3590°C Probe length 140 mm, −3590°C Image: Control of the second se

Note: Modbus air temperature sensors can also measure humidity.

Air temperature sensors (active / passive)

Product	Sensor family	Specifications	Data sheet	Installation instructions
	01DT / 22DT	Duct		
	01MT / 22MT	Average value	E	
\bigcirc	All sensors availab) available with 05 V / 10 V or 420 mA. le with different probe length. 1) available in a variety of NTC and RTD (Pt/Ni)		

DOCUMENTATION / DOWNLOAD

Modbus Interface Description 22ADP.
Further documentation

E Modbus Interface Description 22DT../22UT..

Subject to technical modifications

Volumetric flow or pressure control

Accurate pressure measurements are important for optimal HVAC system performance. Belimo differential pressure sensors measure very low to high pressures in air. The sensors accurately measure pressure and differential pressure and calculate the volumetric flow for reliable control and monitoring.

Key features

- Volumetric flow calculation (considering specific fan k-factor)
- Excellent zero-point stability and high accuracy
- Detachable mounting plate
- IP65 protection with snap-on cover
- Removable pluggable spring loaded terminal block / modular cable glands



22ADP-154K

Differential pressure sensors

Sensor type	Specifications	Data sheet	Installation instructions
One measuring	system		
22ADP-154	–1002500 Pa, multirange, 2 outputs (05 V / 10 V, pressure / flow)		
22ADP-154L	-1002500 Pa, multirange, LCD display, 2 outputs (05 V / 10 V, pressure / flow)	- 1	
22ADP-156	-1547000 Pa, multirange, LCD display, 2 outputs (05 V / 10 V, pressure / flow)		
22ADP-156L	-1007000 Pa, multirange, LCD display, 2 outputs (05 V / 10 V, pressure / flow)	— []	
Two measuring	systems		
22ADP-154D	–1002500 Pa, multirange, 2 outputs (05 V / 10 V, pressure / flow)	Ē	
22ADP-154F	-1002500 Pa, multirange, LCD display, 2 outputs (05 V / 10 V, pressure / flow)	Ē	
22ADP-154H	-1002500 Pa, multirange, 2 inputs (NTC10k / switch), 2 outputs (05 V / 10 V, pressure / flow)	Ē	Ē
22ADP-154K	–1002500 Pa, multirange, LCD display, 2 inputs (NTC 10 k / switch), 2 outputs (05 V / 10 V, pressure / flow)	E	

Note: Single differential pressure sensors also available with pressure range -100...250 Pa.

DOCUMENTATION / DOWNLOAD

Modbus Interface Description

Belimo offers a comprehensive product range of sensors with standard control options: Active differential pressure sensor



Air quality control

Belimo air quality sensors, such as CO_2 and VOC sensors, ensure optimal indoor air quality with increased comfort and maximum energy savings in buildings. Combined temperature and humidity sensors are also available.

Key features

- Dual channel CO₂ sensor based on NDIR technology. The additional reference channel provides reliable compensation for long-term and temperature drift, ensuring maximum accuracy and long-term stability
- Wide range of combined multi-sensors for CO₂, humidity, temperature and VOC offer reduced labour and material costs
- Dual channel self-calibration technology allows Belimo CO₂ sensors to be used in all buildings and applications, even where the ABC (Automatic Background Calibration) method cannot be used



Duct CO₂, humidity and temperature sensors (Modbus)

Sensor type	Specifications	Data sheet	Installation instructions
22DTM-15	02'000 ppm, 050°C, absolute and relative humidity, dew point, enthalpy, probe length 180 mm	Ē	Ē

22DTM-15

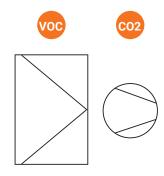
Duct CO₂, VOC, humidity and temperature sensors (active)

Function	Sensor type/family	Specifications	Data sheet	Installation instructions
C0 ₂	22DC	02000 ppm, probe length 150 mm		
CO ₂ , Humidity, Temperature	22DTM	02000 ppm, 0100% RH, probe length 180 mm	- [=]	
CO ₂ , Temperature	22DTC	02000 ppm / 05000 ppm, 050°C, probe length 180 mm		
CO ₂ , VOC	22DCV-11	02000 ppm, probe length 150 mm		Ē
CO ₂ , VOC, Temperature	22DCM-11	02000 ppm, 050°C, probe length 150 mm	Ē	
CO ₂ , VOC, Temperature, Mix CO ₂ +VOC	22DCK-11	02000 ppm, 050°C, probe length 180 mm	-	

Note: 22DTM-.. available with display.

DOCUMENTATION / DOWNLOAD

Modbus Interface Description
Further documentation



Safety

Belimo frost monitors reliably indicate the risk of frost. When outdoor temperatures are very low, the water in the heating coil can freeze and damage the coil, resulting in high follow-up costs.

The Belimo humidistat detects humidifier malfunctions in air handling units. Consequential moisture damage in the zones can thus be prevented.

01DH-10N

Key features

- Continuously monitor frost hazard with a DC 0...10 V signal output (start-up function) and via a single-pole potential-free changeover contact
- Humidistat with single-pole changeover contact and temperature compensation
- Frost monitors and humidistat available with automatic reset



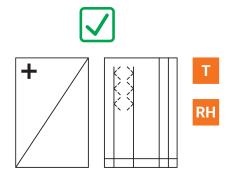
Products

Sensor type	Specifications	Datasheet	Installation instructions
Temperature 🔶	Frost monitors		
01ATS-10	Switch, different capillary tube length, −1015°C, automatic or manual reset	Ξ	_ □
20DTS-1P	Active 010 V, different capillary tube length, 110°C, automatic and manual reset	Ξ	- =
Humidity 🔶 De	uct humidistat		
01DH-10N	Switch, probe length 150 mm, 1595% RH	=	=

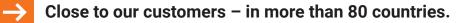
Note: Temperature monitor switches also available.

DOCUMENTATION / DOWNLOAD

Further documentation

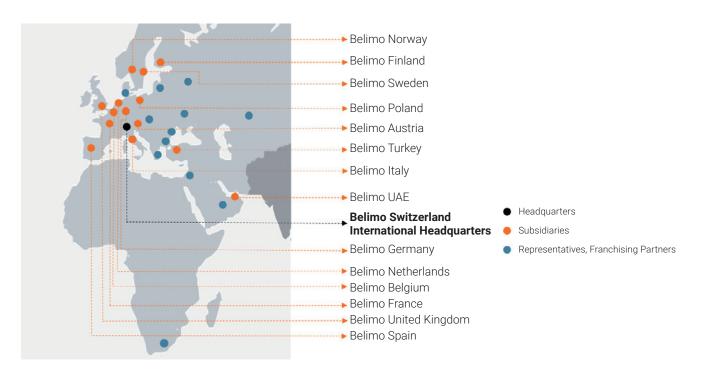


International support





European Belimo locations:

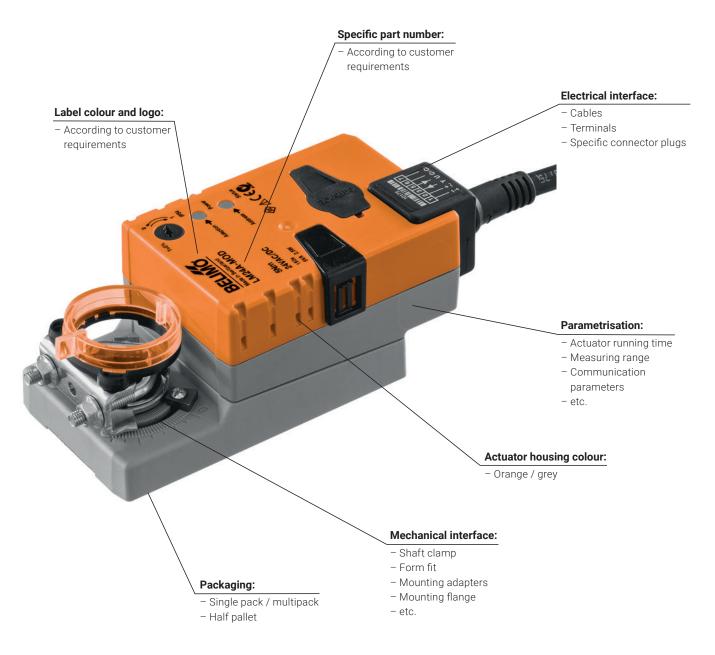




SUPPORT

For any request, please get in touch with your local Belimo contact person.

Customer-specific product assembly





SUPPORT

If you do not find your product in this booklet or on the Belimo website, please get in touch with your local Belimo contact person. We will find an alternative for you.

Individual solutions

In addition to the standard products described above, Belimo offers individual solutions for every need, specifically tailored to the customer's requirements. The delivered products can be unpacked, installed easily and put into operation in a very efficient way.



Customer products

For OEM customers, Belimo can supply products (actuators and sensors) specifically to their requirements, typically for larger quantities. The following properties can be defined accordingly:

Customising - features and possibilities

Possibilities
Orange, grey
Orange, transparent, according to customer requirements
According to customer requirements
According to customer requirements
Cables, terminals, specific connector plugs
Shaft clamp, form fit, mounting adapters, mounting flange etc.
Actuator running time, measuring range etc.
Differential pressure pickup devices, tubes, anti-rotation clip, thermal paste etc.
Single pack or multipack

Note: Definite possibilities after consultation with Belimo and expected order quantity.

Customised products

Variant configurator

Customers can choose from a list of predefined options for actuators and sensors. This option provides customised products with very short lead times, typically for one-time, low-volume orders.

Design to order (DTO)

The Belimo DTO process combines the advantages of the "Customised Product" and the "Variant Configurator". If you have a one-off project, you can order any Belimo product in any custom design.

Examples:

- Actuators and sensors equipped with customised cables and connector plugs
- Pre-assembled packages of actuators and valves, as well as pipe parts, sensors, connections and much more
- Pre-assembled combination of actuators and sensors as a package
- Parametrisation according to customer requirements
- etc.

Belimo added values

More than just products

We are where you need us, speak your language and understand you.





Complete product range with shortest delivery time in the industry.





5-year warranty and tested quality.





Award-winning service to assist customers quickly and effectively, remotely or on-site.







For any request, please get in touch with your local Belimo contact person.

Further documentation and weblinks

Documentation



Air handling units (AHUs)





Fail-safe actuators for ventilation applications



Actuators for harsh environmental conditions in ventilation applications



The seven essentials of healthy indoor air



Belimo website Air handling units Fail-safe damper actuators Linear actuators





Fast running actuators for ventilation applications



Belimo sensors and meters



Non fail-safe actuators for ventilation applications

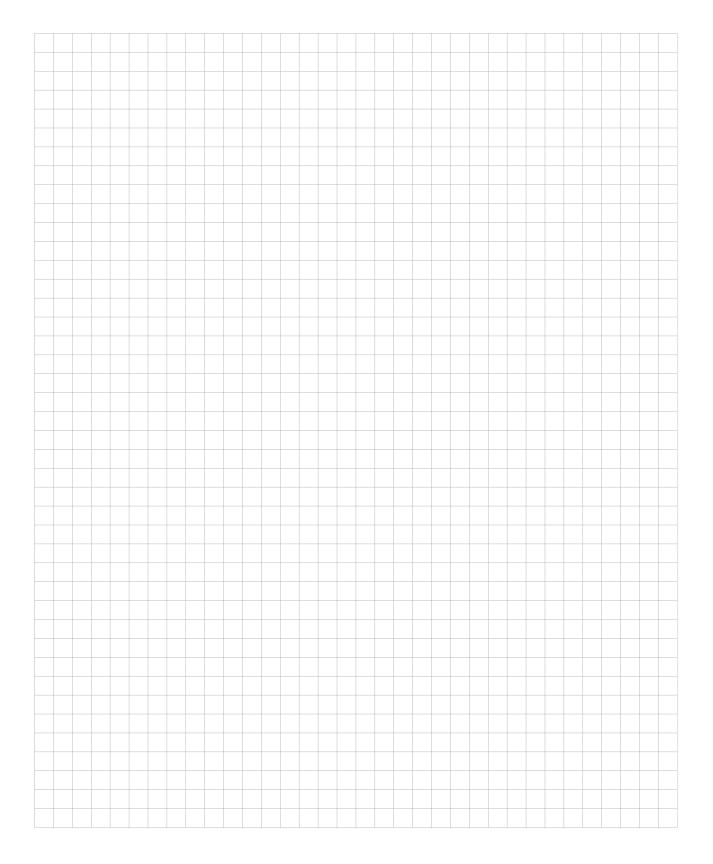


Linear actuators for ventilation applications



Technical brochure -Water applications

Belimo Product and Price Catalogue Non fail-safe damper actuators Fast running actuators Actuators for harsh environmental conditions





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All inclusive.

Belimo as a global market leader develops innovative solutions for the controlling of heating, ventilation and air-conditioning systems. Damper actuators, control valves, sensors and meters represent our core business.

Always focusing on customer value, we deliver more than only products. We offer you the complete product range for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality with a five-year warranty. Our worldwide representatives in over 80 countries guarantee short delivery times and comprehensive support through the entire product life. Belimo does indeed include everything.

The "small" Belimo devices have a big impact on comfort, energy efficiency, safety, installation and maintenance.

In short: Small devices, big impact.



