



**For a healthy
and comfortable
room climate.**



Room units from Belimo

The new room units (sensors and room operating units) are the perfect addition to the existing product range. With the expansion of the product range for visible areas of the room, Belimo offers architects an aesthetic and timeless design. Installers appreciate quick installation and system integrators value easy commissioning with a smartphone. End customers enjoy not only a comfortable and healthy room climate but also the intuitive operation.

- Aesthetic, timeless design
- Room operating units with ePaper touch display
- Fast installation thanks to spring-loaded terminal blocks and snap-on cover
- Parametrisation, setpoint adjustment and diagnosis of active devices via app



reddot winner 2022

BELIMO[®]

Room sensors and room operating units.

The Belimo room units can be seamlessly integrated into existing building management systems. The Belimo Assistant App also enables simple commissioning of active room units and their diagnosis with a smartphone. Thanks to NFC (near field communication), parametrisation is possible even when the room unit is not connected to the power supply. The room units are 87x87 mm and vary in depth between 13 and 23 mm depending on the sensor type.

PRODUCT ADVANTAGES

- Aesthetic, timeless design
- Room operating units with ePaper touch display
- LED as traffic light function for air quality (CO₂)
- Short reaction time
- Fast installation thanks to spring-loaded terminal blocks and snap-on cover
- De-energised parametrisation via smartphone*
- Intuitive diagnostic function via smartphone*

Configurable to specific applications

The display on the room operating units is individually configurable and all display elements can be shown or hidden. Depending on the application, a setpoint for the temperature or fan speed can be shown or the device can be used solely as a sensor with display.

- Very good legibility thanks to the high contrast
- Easy to use due to the touch display
- No disturbing backlight at night



The room units indicate the room air quality in terms of CO₂ concentration with an LED traffic light. The LED is not visible when the traffic light function is deactivated.

*For active devices

Room units at a glance.

Room sensors

	Type	Measured value	Output signal ¹⁾	Measuring ranges	Display app	NFC	Dimensions [mm]
Passive	01RT-1B-0	Temperature	Pt1000	0...50°C	-	-	86x86x13
	01RT-1C-0		Ni1000				
	01RT-1D-0		Ni1000TK5000				
	01RT-1F-0		NTC1.8k				
	01RT-1L-0		NTC10k2				
	01RT-1M-0		NTC10k3 (Precon)				
	01RT-1Q-0		NTC20k				
Active	22RT-19-1	Temperature		0...50°C			
	22RTH-19-1	Temperature, humidity	0...5 V, 2...10 V, 0...10 V or MP-Bus	0...50°C 0...100% RH	□ ²⁾	■	87x87x21
	22RTM-19-1	Temperature Humidity CO ₂		0...50°C 0...100% RH 0...2000 ppm			



Room operating units

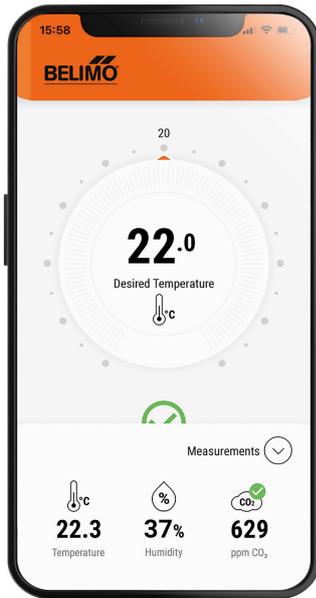
	Type	Measured value	Output signal ¹⁾	Measuring ranges	Output setpoint	ePaper display	Display app	NFC	Dimensions [mm]
Passive	P-01RT-1B-0	Temperature	Pt1000	0...50°C	1 kOhm	-	-	-	86x86x22.5
	P-01RT-1F-0		NTC1.8k		1 kOhm				
	P-01RT-1L-0		NTC10k2		10 kOhm				
	P-01RT-1M-0		NTC10k3		10 kOhm				
Active	P-22RT-1900D-1	Temperature		0...50°C					
	P-22RTH-1900D-1	Temperature Humidity		0...50°C 0...100% RH		■	■	■	87x87x23
	P-22RTM-1900D-1	Temperature Humidity CO ₂	0...5 V, 2...10 V, 0...10 V or MP-Bus	0...50°C 0...100% RH 0...2000 ppm	-				
	P-22RTH-1900A-1	Temperature, humidity		0...50°C 0...100% RH					
	P-22RTM-1900A-1	Temperature Humidity CO ₂		0...50°C 0...100% RH 0...2000 ppm		-	■	■	87x87x21



¹⁾ Measuring range for active units freely adjustable with the app

²⁾ Without setpoint adjustment

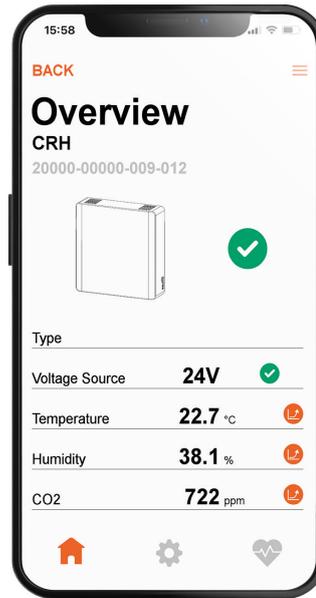
Clear display, intuitive operation.



App for the end user

With the intuitive Belimo display app, the current room values can be displayed and setpoints can be changed. Access protection prevents input by unauthorised people. The app communicates with the room unit via near field communication.

- Display of all actual values of the active room sensors
- Adaptation of the temperature setpoint of the room operating unit without a display on the room unit
- Access protection from unauthorised changes



App for the installer

The Belimo Assistant App enables simple commissioning of the active room units and their diagnosis with a smartphone.

- De-energised parametrisation of the active room units
- Actual value is also displayed as volt signal
- Fault diagnostics



5-year
warranty



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the globe



Complete
product range



Tested
quality



Short
delivery times



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support

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