

Accurate and
Reliable Ventilation



Gas Monitoring Devices



Discover the advantages
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BELIMO[®]

Innovation for Peace of Mind



HVAC system operation is critical for maintaining adequate safe indoor air quality (IAQ). Belimo gas monitor technology provides accurate, superior reliability, easy installation, and seamless integration with major Building Automation Systems (BAS). An intelligent peer-to-peer communication protocol allows users to configure and install a complete ventilation control system with only one monitor or dozens operating in multiple ventilation zones. The result is the assurance of occupant safety and comfort in buildings.



Superior Performance

Belimo's gas monitors provide air quality monitoring for commercial properties. Closely monitoring airborne pollutants to control fresh air ventilation, improves the health and wellbeing of occupants, while minimizing excess ventilation to reduce energy and maintenance costs. Belimo gas monitors are factory calibrated and can monitor up to two gases simultaneously. All monitors feature audible and visual alarms, and CAN bus communication, allowing for standalone operation and networking of up to 32 devices. Select models feature relays and analog outputs to control ventilation directly, as well as BACnet MS/TP allowing for integration into a BMS. The monitors can be easily assigned to groups on site for ventilation zoning on the same network, significantly reducing control wiring and installation time. All gas monitors are wired via a daisy chain and are backed by a five-year warranty.



Seamless Integration

Enhance communication and integration with major building automation systems via BACnet MS/TP with select models.



Modular Design

The compact modular design allows for easy installation and commissioning to ensure optimal system performance.



Reliable and Dependable

Factory calibrated and designed from the highest quality materials delivering accurate and dependable readings.

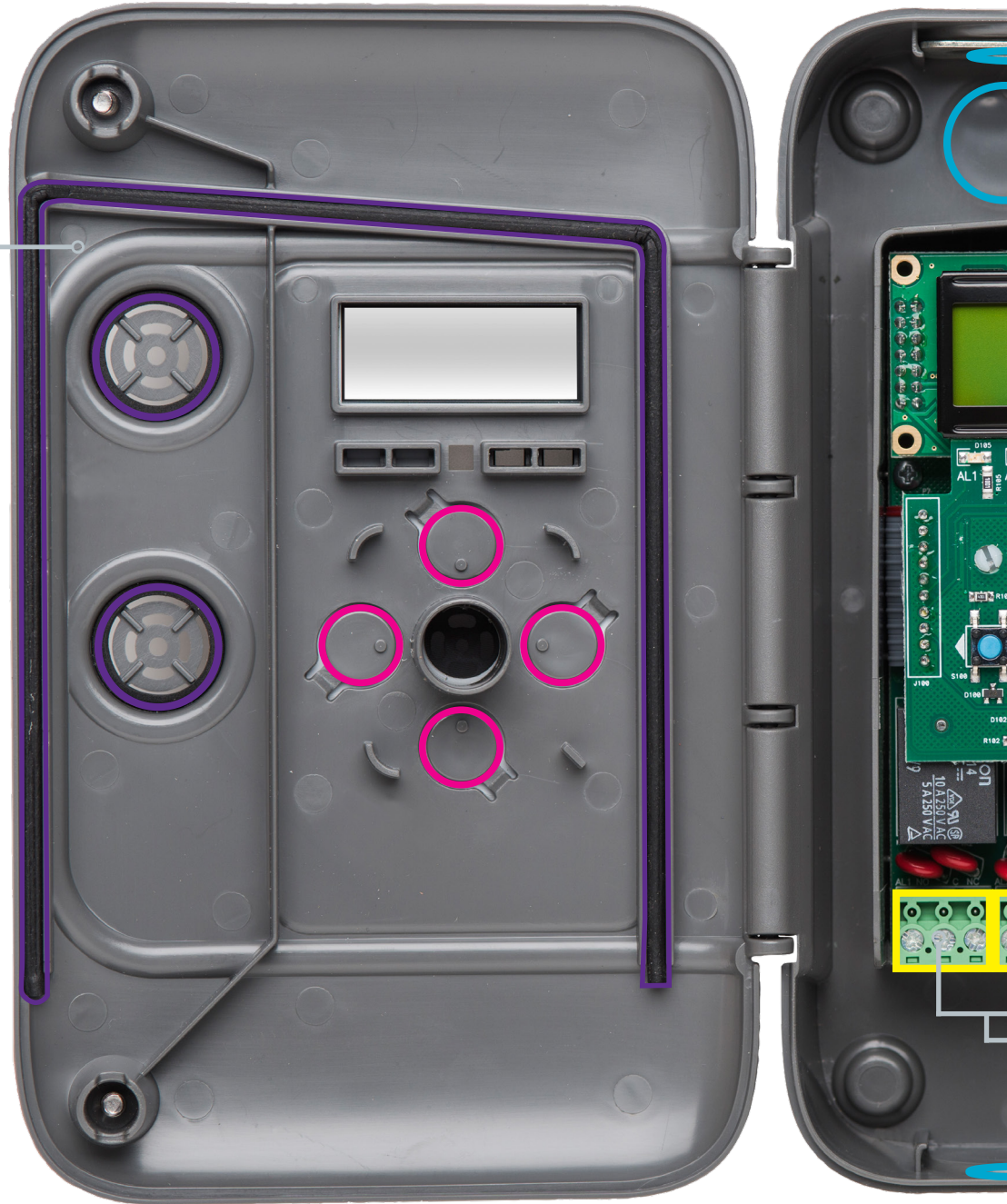
“Belimo’s gas monitors with dual sensors are great for enclosed parking garage applications requiring both CO and NO2 gas monitoring and alarm. The ability to control the ventilation system from any one monitor makes installation easier and lowers total installed cost.”

Robert Eddy, President
EP Sales, Inc., Bloomington, MN

Intuitive Design

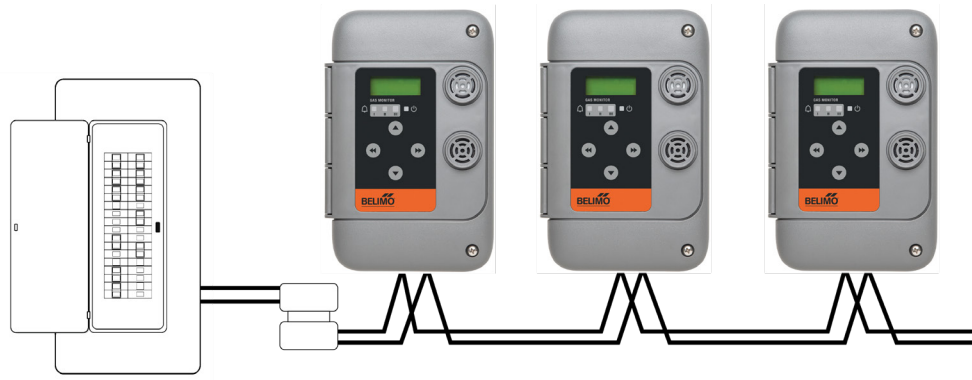
Universal robust enclosure features an electronic display with audible and visual alarms..

Simplified field calibration procedure using calibrated gas bottle mixtures or replacing used sensor modules with factory calibrated plug-and-play sensor modules.

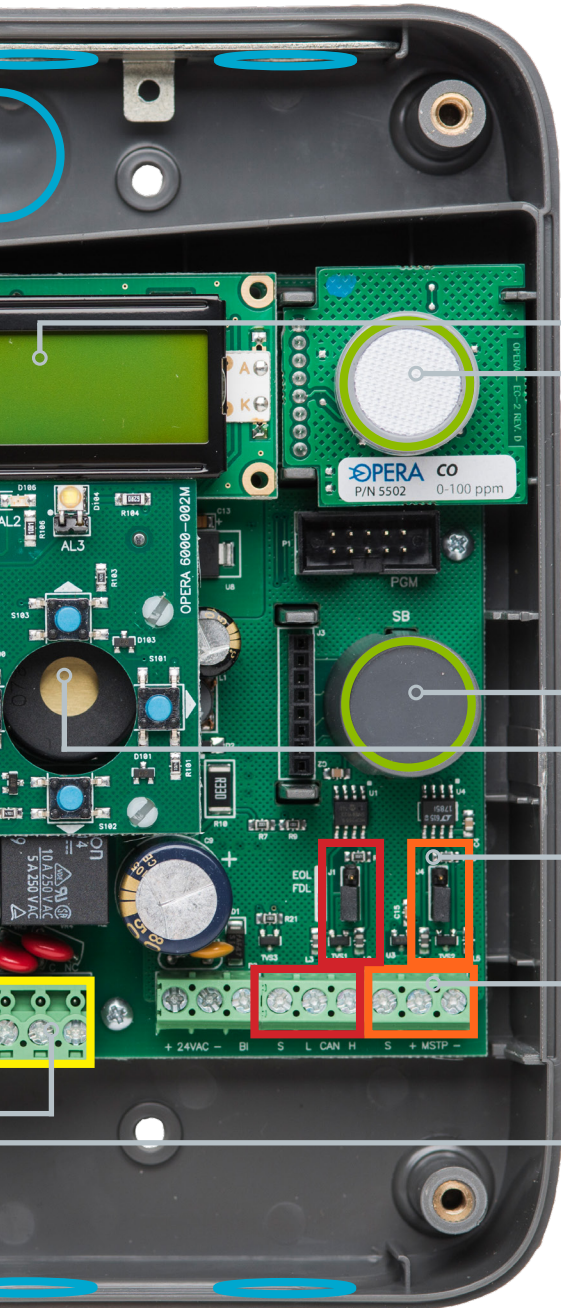


- Inner Drip Seal
- Programmable Interface





Peer to peer communication allows daisy-chain installation of up to 32 devices, reducing cabling.



Backlit LCD allows for easy access and configuration of 77 programmable settings.

Demand response control and alarms for up to two gases in one monitor.

Adjustable alarm indicators and strobes allow for on-demand ventilation and relay activation.

Stand-alone operation with CAN bus network and seamless BMS integration with BACnet MS/TP.

3 models available:

- A = CAN bus, BACnet MS/TP, 1 Relay, 2 Analog Outputs
- B = CAN bus, BACnet MS/TP, 2 Relays
- C = CAN bus

 Dual Gas Sensor Modules

 CAN bus Network Gateway


 5 Conduit Knockouts

 2x SPDT Relays


 BACnet MS/TP Network Gateway

Product Range

Vehicle Emissions

Application	Model #	Old Model #	Output signal				Measuring range			Communication	
			Active	1 SPDT relay	2 SPDT relays	2 analog 4...20 mA or 2...10 V	Carbon Monoxide	Nitrogen Dioxide	Measuring range	CAN bus	BACnet MS/TP
 Vehicle Emissions	22G02-5A	EXT-OP-6002-250-A	■	■		■		0...250 ppm	■	■	
	22G02-5B	EXT-OP-6002-250-B	■		■	■			■	■	
	22G02-5C	EXT-OP-6002-250-C	■			■			■		
	22G14-5A	EXT-OP-6014-A	■	■		■		0...10 ppm	■	■	
	22G14-5B	EXT-OP-6014-B	■		■				■	■	
	22G14-5C	EXT-OP-6014-C	■						■		
	22G0214-5A	EXT-6002-250-14-A	■	■		■		0...250 ppm CO, 0...10 ppm NO ₂	■	■	
	22G0214-5B	EXT-6002-250-14-B	■		■				■	■	
	22G0214-5C	EXT-6002-250-14-C	■						■		

Indoor Air Quality

Application	Model #	Old Model #	Output signal				Measuring range			Communication	
			Active	1 SPDT relay	2 SPDT relays	2 analog 4...20 mA or 2...10 V	Carbon Dioxide	Measuring range	CAN bus	BACnet MS/TP	
 Indoor Air Quality	22G15-5A3	EXT-OP-6015-2000-A	■	■		■		0...2000 ppm	■	■	
	22G15-5B3	EXT-OP-6015-2000-B	■		■	■			■	■	
	22G15-5A5	EXT-OP-6015-5000-A	■	■		■		0...5000 ppm	■	■	
	22G15-5B5	EXT-OP-6015-5000-B	■		■				■	■	
	22G15-5B6	EXT-OP-6015-10000-B	■		■			0...10000 ppm	■	■	
	22G15-5C6	EXT-OP-6015-10000-C	■						■		

Exceptional service

At Belimo, we continually invest in new technologies that increase customer value by improving occupant comfort, energy efficiency, simplified installation, and maintenance-free operation. Our sales team is available to consult and provide insight and advice on how to achieve the best solution to help increase your system performance. Belimo will continue to focus on providing you with exceptional product availability, fast delivery times, and world-class customer service and technical support. We remain dedicated to continuously improve our standards and are committed to providing you the highest value possible.

Whatever your HVAC application, our global network of support experts are on hand and ready to assist.



Global support



Tested quality



On-time delivery



Extensive service



Complete product range



Belimo Americas

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