

Gas Monitor

Belimo's Indoor Air Quality gas monitoring devices offer a peer-to-peer communication protocol so that users can configure and install a complete ventilation control system with just one monitor or dozens operating in multiple zones. A field-replaceable sensing element, stand-alone installation, and a lockable LCD make Belimo's gas monitoring devices ideal for any application requiring moisture control and ventilation. The extended CO2 ranges make them suitable for greenhouses, grow farms, and agriculture.



2-year warranty


Type Overview

Type	Measured values	Number of relays	Output signal active gas	Communication
EXT-OP-6025-B	relative humidity	2	-	CAN bus, BACnet MS/TP

Technical data

Electrical Data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Power consumption AC	5 VA
	Power consumption DC	5 W
	Cable entry	2 top, 2 bottom, 1 rear – 1/2" EMT
	Cable specification	1 pair twisted shielded 24...18AWG
	Fuse	Thermal PTC, auto-reset
Data bus communication	Communication	CAN bus BACnet MS/TP
Functional Data	Application	air
	Output signal relay note	1 x SPDT, max. 1.5 A (0.4 A inductive), AC 250 V
	Mounting	Min. 1 m [3 ft] off the ground and up to half the height of the room
	Max. altitude	6562 ft [2000 m] above sea level
	Coverage area	Radius: 15 m [50 ft] Area: 700 m ² [7500 ft ²] There can be no obstructions such as walls, stairs, elevators, shelving with solid fill, tool chests, etc.
	Display	LCD, With backlight Gas concentration, system status
	Response time	15 s (T90)
	Alarm	Audible alarm, 85 db @ 1 m [3.3 ft]
Measuring Data	Measured values	relative humidity
	Measuring range gas	0...100% RH
	Accuracy humidity	±3% between 10...90% RH @ 70°F [21°C]
	Long-term stability	Extended exposure to >90% RH causes a reversible shift
Materials	Housing	Flame resistant polycarbonate ABS UL-94-V0 and UL-94-5VA for indoor use
Safety Data	Protection class IEC/EN	II, reinforced insulation

1 Analogue output settings

Down position: 2...10 V (factory setting)
 Up position: 4...20 mA

2 End of line (EOL) jumper: CAN bus

Down position: Termination OFF (factory setting)
 Up position: Termination ON (first and last unit only should have this jumper in the up position)

3 End of line (EOL) jumper: BACnet MS/TP

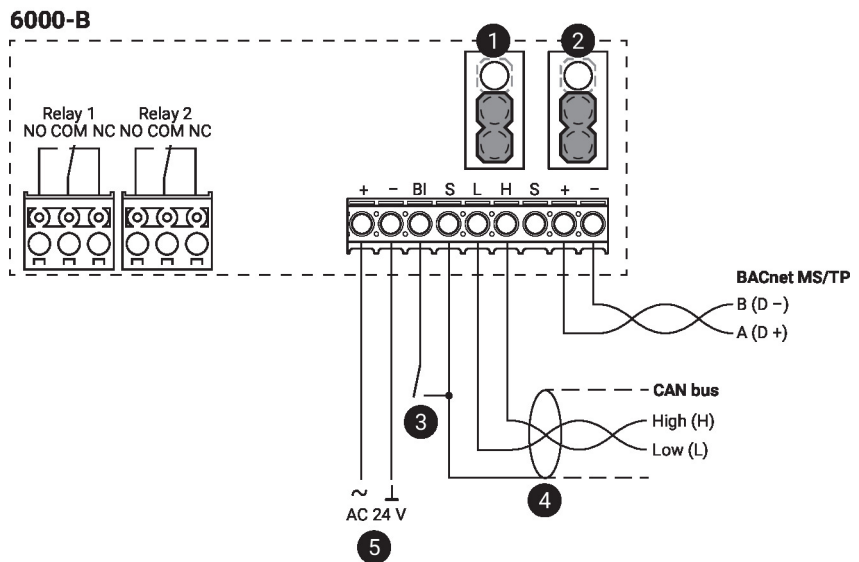
Down position: Termination OFF (factory setting)
 Up position: Termination ON (first and last unit only should have this jumper in the up position)

4 Analogue output

5 Binary input to limit switch

6 Shield connected at the first unit only, at others only looped through

7 No connection to the ground



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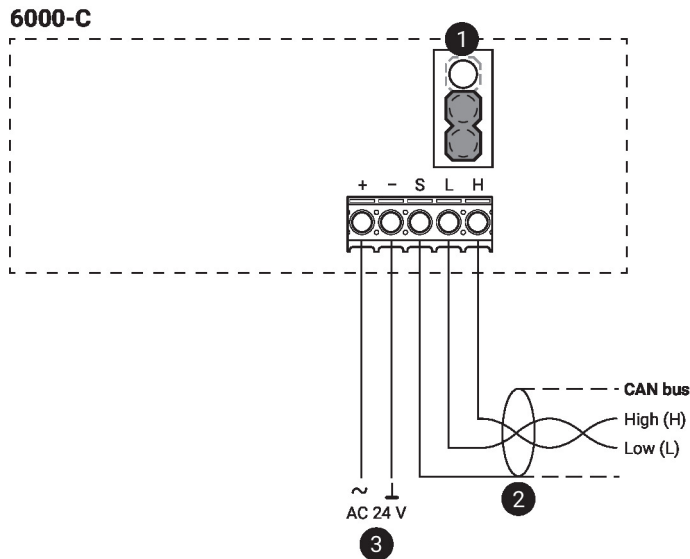
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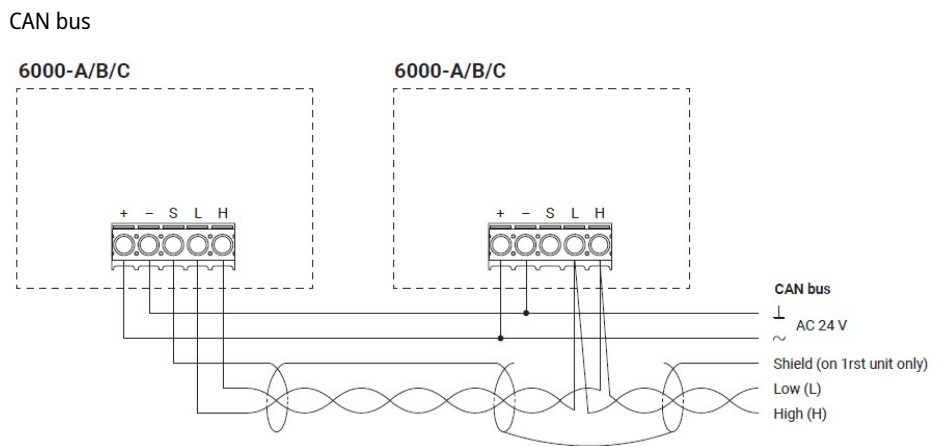
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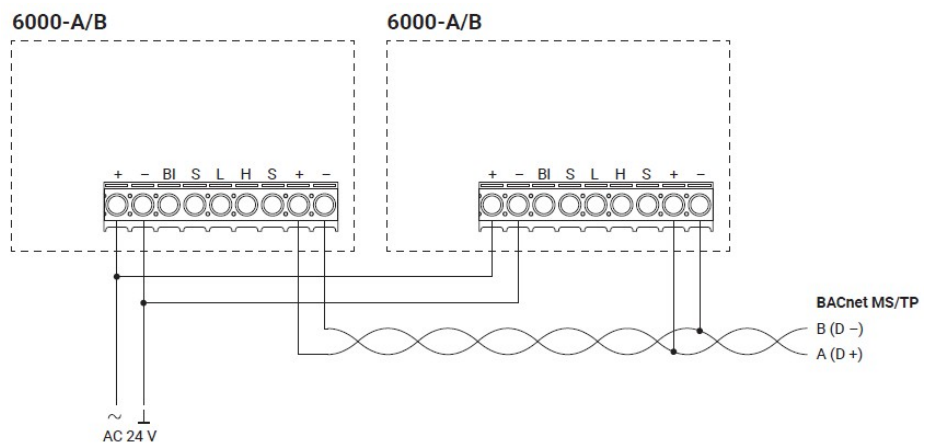


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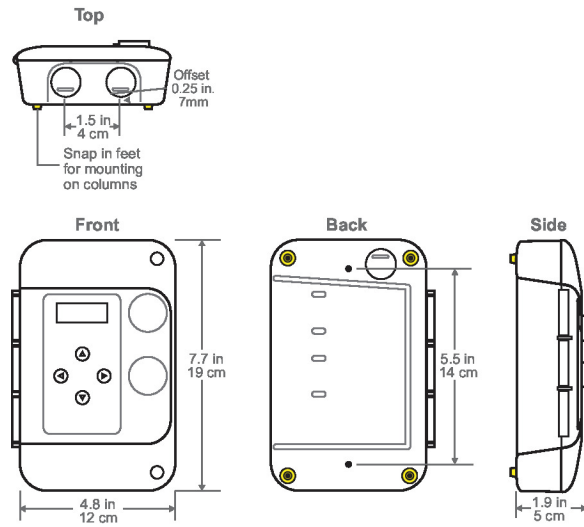
Wiring CAN bus



Wiring RS485 BACnet MS/TP



Dimensions

**Type**

EXT-OP-6025-B

Weight

0.95 lb [0.43 kg]