

Gas Monitors



5-year warranty



Scan the QR code to view the Operating Manual: See section 3 for installation, section 4 for operation, and section 7 for maintenance.



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For gases with a **lighter density to air**:
Ammonia (NH₃), Methane (CH₄), Hydrogen (H₂), install at 1 to 3 ft (0.3 to 0.9 m) from the ceiling or highest point.

For gases with a **similar density to air**:
Carbon monoxide (CO), Carbon dioxide (CO₂), Oxygen leak (O₂), Oxygen depletion (O₂) to monitor Argon (Ar), Helium (He), or Nitrogen (N₂), install at 3 to 7 ft (1 to 2 m) from the floor.

Nitrogen dioxide (NO₂): If diesel exhaust is under vehicles install at 3 to 7 ft (1 to 3 m) from the floor. If diesel exhaust is over vehicles install at half the ceiling height and above the vehicle exhaust.

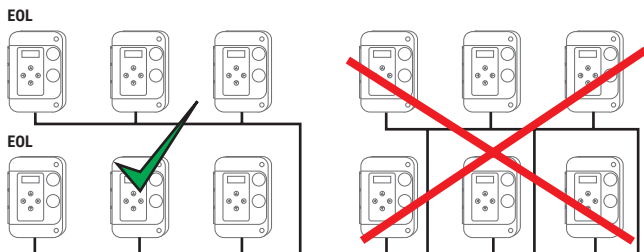
For gases with a **heavier density to air**:
Propane (C₃H₈), Hydrogen sulfide (H₂S), Chlorine (Cl₂), Refrigerants, install at 1 to 2 ft (0.3 to 0.5 m) from the floor or lowest point.

Maximum 50 ft (15 m) radius for air quality monitoring
Maximum 30 ft (10 m) radius for leak detection monitoring
See operations manual, section 3, for more information.

Important. All wiring must conform to local building codes, regulations and laws. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired. Refer to the Belimo Gas Monitors Operating Manual section 1.1 Warnings for all safety remarks.



- 1) General:
 - a) Do not obstruct the gas monitor
 - b) Do not ground the AC/DC 24 V power supply
 - c) Use size #6 (3 mm) or #8 (4 mm) screws for mounting
- 2) Power:
 - a) Use 18...20 AWG (2.5...0.5 mm²) single pair stranded copper cable for power
 - b) Maintain the same polarity (AC/DC 24 V) for all devices
 - c) Use a Class 2 power supply
- 2) Communication (CAN bus, BACnet MS/TP):
 - a) Use 22...24 AWG (0.34...0.25 mm²) 1.5 twisted pair, shielded jacketed, low capacitance stranded cable for communication
 - b) Maintain the same polarity for all devices
 - c) All devices must be connected in series
 - d) Switch end of line (EOL) jumpers to "On" on first and list devices on the network.



22Gxx-5A & C-22G-5A

1 SPDT dry relay contact

Analog Output (AN1) Sensor A (Top Sensor) 4...20 mA 2...10 V * Default 2...10 V

Analog Output (AN2) Sensor B (Bottom Sensor) 4...20 mA 2...10 V * Default 2...10 V

CAN bus End of Line Jumper: On, Off * Default Off

BACnet MS/TP End of Line Jumper: On, Off * Default Off

*Needs to be set to "On" on the first and last device on the network.

*Needs to be set to "On" on the first and last device on the network.

Transformer 24 V AC/DC 5 VA/3 W for each unit Independent circuit 120/240 V AC

To magnetic starter coil or control relay coil for ventilation

To other units

AC/DC Supply

Binary Input

Shield (no connect)

BACnet MS/TP Network

Shield (on 1st unit only)

L Low H High CAN bus Network

To other units

22Gxx-5B & C-22G-5B

2 SPDT dry relay contacts

CAN bus End of Line Jumper: On, Off * Default Off

BACnet MS/TP End of Line Jumper: On, Off * Default Off

*Needs to be set to "On" on the first and last device on the network.

*Needs to be set to "On" on the first and last device on the network.

Transformer 24 V AC/DC 5 VA/3 W for each unit Independent circuit 120 V AC

To magnetic starter coil or control relay coil for ventilation

To other units

AC/DC Supply

Binary Input

Shield (no connect)

BACnet MS/TP Network

Shield (on 1st unit only)

L Low H High CAN bus Network

To other units

22Gxx-5C & C-22G-5C

CAN bus End of Line Jumper: On, Off * Default Off

*Needs to be set to "On" on the first and last device on the network.

Transformer 24 V AC/DC 5 VA/3 W for each unit Independent circuit 120 V AC

To magnetic starter coil or control relay coil for ventilation

To other units

AC/DC Supply

Binary Input

Shield (no connect)

BACnet MS/TP Network

Shield (on 1st unit only)

L Low H High CAN bus Network

To other units