

Gas Monitors



Scan QR code to view the Operating Manual. See section 3 for installation, section 4 for operation, and section 8 for maintenance.



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For gases **lighter than 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 **similar 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.

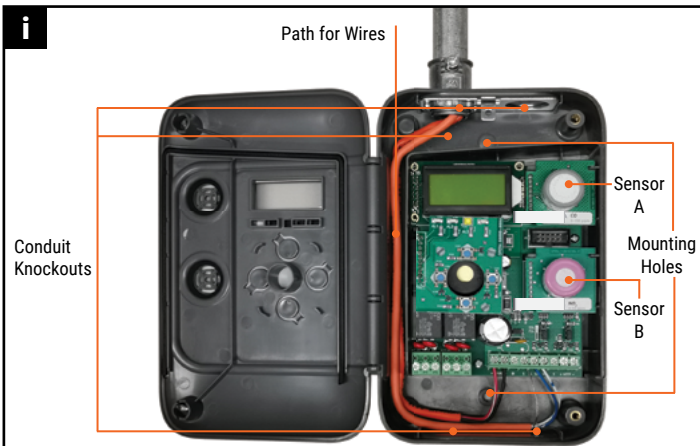
Nitrogen dioxide (NO₂): If diesel exhaust is under vehicles, or if the ceiling height is 15 feet or less, install at 3 to 7 feet (1 to 2 meters) from the floor.

Nitrogen dioxide (NO₂): If diesel exhaust is above vehicles, or if the ceiling height is above 15 feet, install at half the ceiling height or slightly above the exhaust stack.

For gases **heavier than 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 CO and NO₂ gases.
Maximum 30 ft (10 m) radius for all other gases.

! **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
 - d) At the wiring termination strip 0.32 in (8 mm) of insulation
- 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
- 3) Relays:
 - a) SPDT, 5A @ 125 V AC / 4A @ 24 V DC, dry relay contact, non-inductive
- 4) 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 last devices on the network

