



GS-6000 Series

Gas Detector and Control System



Overview

The GS-6000 Series of gas detectors are versatile, self-contained dual gas sensor that are network ready for either peer-to-peer (master slave) operation or central control.

Applications

- Parking garages
- Vehicle emissions
- Combustible gases
- Refrigerator gas leak detection
- Industrial health and safety

Features & Benefits

- Stand-alone operation with 2 adjustable alarm relays, indicators and strobe
- BACnet MS/TP RS485 interface
- Pre-calibrated plug-and-play sensor modules
- Controller accepts two sensor modules for simultaneous sensing of two distinct gases
- Impact resistant water proof enclosure

Model Selection

GS-6000	Gas exhaust system, controller only, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6001	Gas exhaust system, Organic vapors, 0-1000 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6002	Gas exhaust system, Carbon monoxide (CO), 0-100 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6002-250	Gas exhaust system, Carbon monoxide (CO), 0-250 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6014	Gas exhaust system, Diesel, nitrogen dioxide (NO ₂), 0-10 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6002-14	Gas exhaust system, Carbon monoxide & nitrogen dioxide, 100/10 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6016	Gas exhaust system, Hydrogen Sulfide (H ₂ S), 0-50 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6017	Gas exhaust system, Chlorine (Cl ₂), 0-10 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6004	Gas exhaust system, Ammonia (NH ₃), 0-250 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6013	Gas exhaust system, HCFC (R22, 401A, 402A, 4408A, 502), 0-1000 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6020	Gas exhaust system, HFC (R134, 404A, 410A, 507), 0-1000 ppm, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6023	Gas exhaust system, Nitrogen (N ₂), Oxygen (O ₂) depletion, 0-50% O ₂ , 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6022	Gas exhaust system, Oxygen (O ₂) leak, 0-50% O ₂ , 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6005	Gas exhaust system, Methane (CH ₄), 0-50% LEL, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6006	Gas exhaust system, Propane (C ₃ H ₈), 0-50% LEL, 4-20mA or 2-10VDC, 3 SPDT relays, LCD
GS-6008	Gas exhaust system, Hydrogen (H ₂), 0-50% LEL, 4-20mA or 2-10VDC, 3 SPDT relays, LCD

Accessories

GS-5501	Sensor replacement card, Organic vapors, 0-1000 ppm
GS-5502	Sensor replacement card, Carbon monoxide (CO), 0-100 ppm
GS-5502-250	Sensor replacement card, Carbon monoxide (CO), 0-250 ppm
GS-5514	Sensor replacement card, Diesel, nitrogen dioxide (NO ₂), 0-10 ppm
GS-5516	Sensor replacement card, Hydrogen Sulfide (H ₂ S), 0-50 ppm
GS-5517	Sensor replacement card, Chlorine (CL ₂), 0-10 ppm
GS-5505	Sensor replacement card, Methane (CH ₄), 0-50% LEL
GS-5506	Sensor replacement card, Propane (C ₃ H ₈), 0-50% LEL
GS-5508-1000	Sensor replacement card, Hydrogen (H ₂), 0-1000 ppm
GS-5508	Sensor replacement card, Hydrogen (H ₂), 0-50 LEL
GS-5504	Sensor replacement card, Ammoniac (NH ₃), 0-250 ppm
GS-5513	Sensor replacement card, HCFC (R22, 401A, 402A, 4408A, 502), 0-1000 ppm
GS-5520	Sensor replacement card, HFC (R134, 404A, 410A, 507), 0-1000 ppm
GS-5522	Sensor replacement card, Oxygen (O ₂) leak, 0-50% O ₂
GS-5523	Sensor replacement card, Nitrogen (N ₂) Oxygen depletion, 0-50% O ₂
GS-5525	Sensor replacement card, Relative humidity, 0-100% RH

Product Specifications

Outputs

Digital networks:

- _____ CAN network for central control or peer-to-peer
- _____ BACnet MS/TP RS485 (BTL listed)
- _____ Relays (2)SPDT, 1/8 HP @ 125 vac 5 amp @ 120 Vac, non-inductive:
- _____ On delay; 0-999 seconds (16 minutes)
- _____ Off delay; 0-999 seconds (16 minutes)

User Interface

- _____ Backlit LCD display - gas concentration, user settings, calibration controls
- _____ Red LED alarm indicators, level 1 and 2
- _____ High intensity white LED strobe and audible alarm on level 3
- _____ 4 pushbutton user keypad
- _____ Password control for settings

Electrical Characteristics

- Supply voltage _____ 24 vac (17-30)
- Resettable fuse protected _____ @ 400 ma
- Consumption _____ 5 va
- Connections _____ screw terminal 14-24 AWG

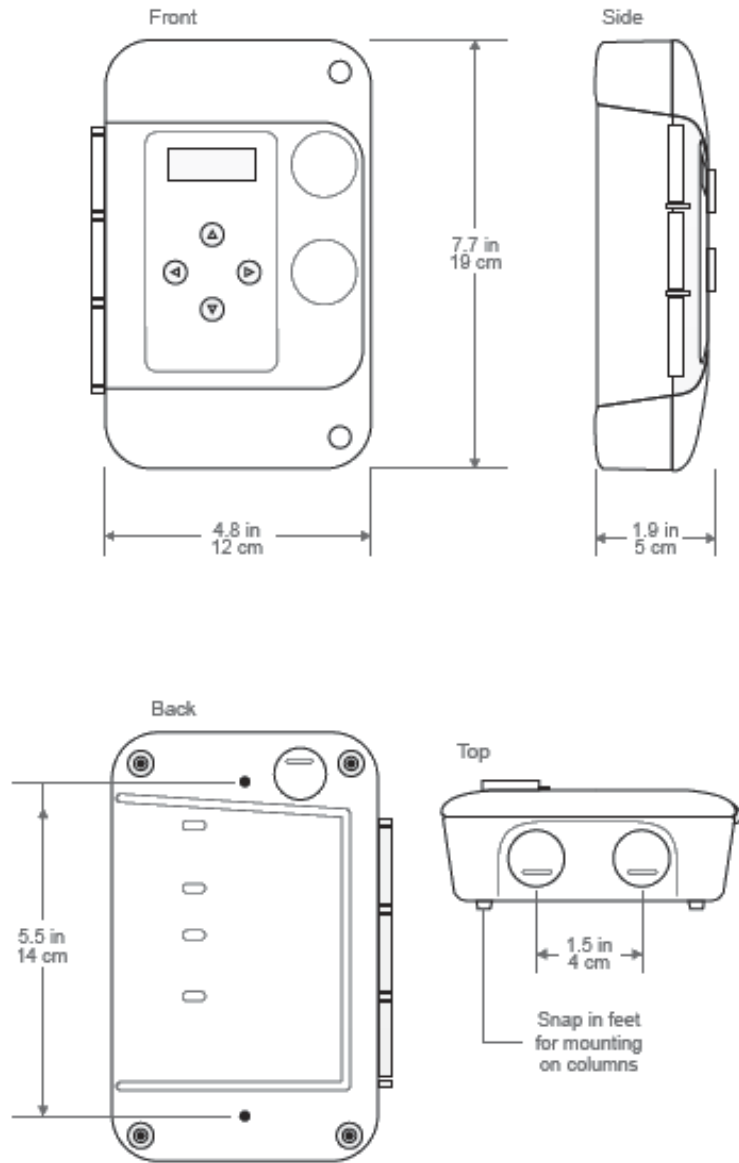
Physical Characteristics

Dimensions _____ 7.7 in. (19 cm) high, 4.8 in. (12 cm) wide, 1.9 in. (5 cm) deep.
Weight _____ 420 grams, 0.93 lb
Enclosure _____ ABS UL-94-V0, UL-94 - 5VA, Nema 4
Electrical Conduit Entries _____ 0.875 inch, two on top, two on bottom one in rear
Temperature Operating Range _____ -20 to 50 °C,
10-95% RH (non condensing)
_____ Diffusion type sampling

Agency Approvals

UL _____ UL61010-1
CSA _____ C22.2 61010-1-12 & C22.2 no. 205-12
ANSI/ISA _____ 61010-1

Dimensions



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