

GD-3000 Combustible Gas Detector

Model # GD-3000



GD-3000

Applications

- Landfill
- Utilities and Power Plants
- UPS Power Systems
- Diesel and other IC Engines
- Construction and Maintenance Facilities
- Fire Department
- Motive Power

Product Overview

The GD-3000 combustible gas detector is a versatile, easy-to-use device that allows you to select between methane (NG), propane (LP), or hydrogen (H2) gas detection. The GD-3000 provides low-level detection of combustible gas in an easy-to-maintain monitor that is factory calibrated for simple installation. This low voltage gas detector provides automatic feedback and fan control that can help reduce combustible gas concentrations in battery rooms, parking garages, maintenance facilities, and other locations that require combustible gas detection. The unit can be used with 12VDC or 24VDC N.O. (fire/security) panels.

Features

- Selectable (on/off) digital display, alarm buzzer, fan relay (minutes), fan minimum run time
- Selectable fan and alarm relay activation
- Factory Calibrated - can also be field calibrated using 10% LEL Methane, 10% LEL Propane or 10% LEL Hydrogen gas regulator and calibration hood
- Mounts on a standard 4" x 4" electrical box, no cover needed
- 5 A SPDT fan relay controls starters of exhaust fans
- 0.5 A.N.O. or N.C. alarm relay connects to warning devices or control panels
- Supervised system design: internal detector problem will cause the fan & alarm relay to activate
- GD-3000 can be used with 12VDC or 24VDC N.O. (fire) panels
- GD-3000 dry contact fan relay can use panel power or fan power
- Match fan relay contacts to fan size, and coil voltage to power source

Technical Specifications

Accuracy:	±5% of the LEL reading up to 50% LEL
Alarm:	Audible buzzer, output relay 0.5A 200 V, 10 VA
Alarm Relay Actuation:	Selectable N.O. default or N.C.
Alarm Relay Settings:	OFF, 5, 10, 15, 20 (default), 25% LEL
Current @ 24VDC:	75 mA in alarm (two relays), 50 mA (fan relay only) and 23 mA standby
Fan Relay:	5 A, 240 VAC, pilot duty, SPDT
Fan Relay Actuation:	Selectable at 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 (default), 11, 12, 13, 14, 15, 16, 17, 18, 19, 20% LEL
Fan Delay Settings:	0, 1, 3 (default), 5, 10 minutes
Fan Minimum Run Time:	Settings are OFF (default), 3, 5, 10, 15 minutes
Current Loop:	4 – 20 mA for 0 – 50% LEL
Operating Environment:	Temperature: -18 – 52 °C / 0 – 125 °F Relative Humidity: 10 – 90%
Power Requirements:	3 W (max) from 12 – 24 VAC, 12 – 48 VDC
Dimensions / Weight:	114 x 114 x 53 mm (4.5 x 4 x 2.1 in) / 500 g (1 lb)



Mounting & Connection Points

Kit Includes

- GD-3000
- User Manual

Ordering Information

No.	Model #	Description
1	GD-3000	GD-3000 Combustible Gas Detector / Controller / Transducer