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**1-877-805-3377**



## GD-3000 Combustible Gas Detector

Model # GD-3000



**GD-3000**

### Applications

- Utilities and Power Plants
- UPS Power Systems
- Diesel and other IC Engines
- Construction and Maintenance Facilities
- Fire Department
- Battery Suppliers
- 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
- ETL Listed to UL 61010-1
- 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

<b>Accuracy:</b>	±5% of the LEL reading up to 50% LEL
<b>Alarm:</b>	Audible buzzer, output relay 0.5A 200 V, 10 VA
<b>Alarm Relay Actuation:</b>	Selectable N.O. default or N.C.
<b>Alarm Relay Settings:</b>	OFF, 5, 10, 15, 20 (default), 25% LEL
<b>Current @ 24VDC:</b>	75 mA in alarm (two relays), 50 mA (fan relay only) and 23 mA standby
<b>Fan Relay:</b>	5 A, 240 VAC, pilot duty, SPDT
<b>Fan Relay Actuation:</b>	Selectable at 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 (default), 11, 12, 13, 14, 15, 16, 17, 18, 19, 20% LEL
<b>Fan Delay Settings:</b>	0, 1, 3 (default), 5, 10 minutes
<b>Fan Minimum Run Time:</b>	Settings are OFF (default), 3, 5, 10, 15 minutes
<b>Current Loop:</b>	4 – 20 mA for 0 – 50% LEL
<b>Operating Environment:</b>	Temperature: -18 – 52 °C / 0 – 125 °F Relative Humidity: 10 – 90%
<b>Power Requirements:</b>	3 W (max) from 12 – 24 VAC, 12 – 48 VDC
<b>UL Listing:</b>	UL 61010-1
<b>Dimensions / Weight:</b>	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