

Other CruzPro Products

- Depthsounders & Speed/Temperature/Log
- DC Volts/Amps/Amp-Hour Monitor
- AC Volts/Amps/Freq/kW Monitor
- LPG/Petrol Gas Detectors/Alarms
- Bilge Water Alarms & Bilge Pump Controllers
- Windlass Controller/Chain Counter
- Digital Fuel Gauge & Fuel Consumption Calculator
- Digital Gauge for Three Tanks /w Separate Alarms
- Smart and Manual Alternator Regulators
- Marine Security System
- RPM/Engine Hours/Elapsed Time Gauge
- Digital Oil Pressure Gauge/Alarm
- Digital Water Temperature Gauge/Alarm
- One and Three Bank Digital Volts Gauges
- Digital Amps Gauge
- Digital Clock/Watch/Race Timers/Alarms
- 8 and 16 Amp Light Dimmers / Motor Speed Controller
- Solar Panel Charge Controllers 6/8/9 & 20 Amps
- 4 & 8 Channel NMEA Combiners/RS-232 Convertors
- Engine/Exhaust Temp. Monitor & Digital Pyrometer
- NMEA 0183 Remote Data Repeater/w 4 Input Channels

CruzPro®

GD10



12VDC LPG/Gasoline/Petrol Vapor Alarm

unit to be returned for repair. Incorrect wiring is not covered by the warranty.

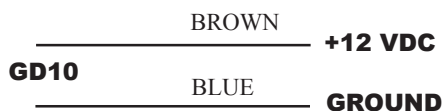


Figure 1 - Connection Diagram

Apply 12 VDC to power the GD10. The green LED will flash for about 2 minutes while the gas sensor warms up. When the green "Safe" LED is ON, the unit is operational and testing for gas vapors. If gas vapors above 25% LEL (Lower Explosive Level) is detected, the LED will blink red/green and the built-in alarm will sound. Pressing the switch will disable the alarm for several minutes. If gas is still present, the GD10 will again sound the alarm.

Introduction

LPG or gasoline/petrol vapors, even in low concentrations, make a dangerous heavier-than-air explosive mixture that can settle in low areas of your boat's bilge. The GD10 gas vapor detector provides accurate, low cost protection by detecting gas vapors at very low concentrations.

The GD10 can detect gas vapors at 1/4 of LEL (Lower Explosive Limit), the concentration required for an explosion. The built-in alarm and blinking LED will warn you before vapors reach dangerous levels. The alarm will continue to sound as long as the sensor detects a dangerous concentration of LPG or gasoline/petrol gas vapors.

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Warning Notes

Detectable Vapors: The GD10 sensor detects alcohol, butane, gasoline/petrol, hydrogen, kerosene, LP gas, propane, and methane. Some common cleaning agents and aerosol spray cans contain vapors that can also activate the alarm.

LEL: Each gas has its own LEL (Lower Explosive Limit). The GD10 is calibrated against LPG.

Sensor Contamination: Aerosols from paints, silicone vapors, and corrosive gasses such as hydrogen sulfide and sulphur dioxide can deteriorate the gas sensor used by the GD10.

Do not place the sensor in a humid locker and keep it dry.

Specifications

- Power:** 10.5 to 18.0 VDC, 0.04 amps (internally fused with 1/2 amp fuse).
- Operating temperature:** 32 to 122 F (0 to 50 C)
- Size:** 2-3/4" x 4-1/2" (70mm x 115mm).
- Accuracy:** 25% LEL (Lower Explosive Limit)
- Alarms:** Built-in audible alarm and flashing LED
- Display:** Green "Safe", Red/Green flashing "Alarm", Green flashing - "Warming up"
- Sensor:** LPG / Gasoline / Petrol

Installation / Operation

Before starting the installation, please read this entire section first.

The GD10 is supplied with a removable slide-on wall bracket. For lighter than air vapors such as hydrogen (from battery charging, etc.) place the unit up high. For heavier than air vapors such as gasoline/petrol or LPG, place the unit low.

Do not place the sensor in a humid area such as an outside locker or in an area where it may get wet. Humidity will slowly degrade the sensor and water will destroy it.

Connect the blue wire to battery ground. Connect the brown wire to +12VDC (see Figure 1). Observe polarity or the internal fuse will open - requiring the