Troman Combustible Gas Detector Enhances Vehicle Safety

The Troman **Combustible Gas Detector** provides a resettable point sensing solutlon which Is Ideal for detecting gas leaks within hazardous zones in vehicles such as CNG, LNG and Propane. The detector is fitted with a temperature compensating metal oxide sensing element which provides alarm outputs at two gas concentrations.

Depending on the Troman controller used, up to four or eight gas detectors can be used on a single channel. An end of line device is installed at the end of each channel to allow continuous monitoring.

The best mounting locations include the engine compartment, the fuel fill port, fuel cylinder exhaust port. A trace alarm typically provides the driver with a visual and audible warning which resets if the gas concentration reduces. If significant alarm is reached, the alarm signal is usually latched and vehicle emergency protocols initiated. This allows the vehicle to be stopped and passengers evacuated safely.

Features

- Alarm (combustible gas concentration)
  - Trace - 20% LEL
  - Significant - 50% LEL
- LED indicator
  - Green - power on
  - Red - alarm (flashing= trace gas)
  - Red/green flashing = faulty sensor
- Device is splash resistant
- Continuous line monitoring using Kidde end of line connector
- Provides alarm signal to Kidde controllers
- The sensor is a consumable item with limited service life depending on environmental conditions

Specifications

- Operating voltage: 9–32V
- Quiescent current: 90 rnA Max
- Temperature range: -40°C to 85°C / -40°F to 185°F

Troman Hydrogen Gas Detector Enhances FCEV Safety

The Troman **Hydrogen Gas Detector** provides a resettable point sensing which Is Ideal for detecting gas leaks within hazardous zones in hydrogen fuel cell vehicles. The detector is fitted with a temperature compensating metal oxide sensing element which provides alarm outputs at two gas concentrations. Depending on the Troman controller used, up to four or eight gas detectors can be used on a single channel. An and of line device is installed at the end of each channel to allow continuous monitoring.

The best mounting locations include the engine compartment, the fuel fill port, fuel cylinder exhaust port. A trace alarm typically provides the driver with a visual and audible warning which resets if the gas concentration reduces. If significant alarm is reached, the alarm signal is usually latched and vehicle emergency protocols initiated. This allows the vehicle to be stopped and passengers evacuated safely.

Features

- Alarm (hydrogen gas concentration)
  - Trace - 12.5% LEL
  - Significant - 25% LEL
- LED indicator
  - Green - power on
  - Red - alarm (flashing= trace gas)
  - Red/green flashing = faulty sensor
- Device is splash resistant
- Continuous line monitoring using Kidde end of line connector
- Provides alarm signal to Kidde controllers
- The sensor is a consumable item with limited service life depending on environmental conditions

Specifications

- Voltage rating: 9- 32V
- Quiescent current: 90 rnA Max
- Temperature range: -40°C to 85°C/-40°F to 185°F