

Mark IV Hydrogen Gas Detector



The hydrogen gas detector protects battery charging rooms and other locations where motive and stationary batteries are present by monitoring hydrogen gas levels. Lead-acid batteries on charge emit hydrogen gas after reaching the 80% recharge point. Concentrations of 4% to 75% mixed with air can be explosive. Sparks or hot surfaces can ignite them. The hydrogen gas detector will provide a warning and facilitate dissipation of the hydrogen, by operating alarms and exhaust fans before it reaches the lower explosive limit of 4%.

In addition to protecting your property and employees, cost savings are also realized. Insurance premiums may be reduced as a result of a hydrogen gas detector installation. Electricity costs decrease as a result of controlled exhaust fan operation rather than continuous fan operation. Air conditioning and heating costs are also reduced as a result of the controlled fan operation.

Two models are available: AC or DC, Optional accessories include steel junction box for mounting on wall or ceiling, remote panel for eye level placement, and modular cable for connecting the remote to the detector.

**Protects life, property and profits
against hydrogen gas explosions**
MADE IN THE UNITED STATES OF AMERICA

features

- Continuous monitoring of hydrogen gas levels
- Automatic operation
- An 80-db warning alarm, and remote exhaust fan with alarm activation
- LED status display
- Reliable, highly sensitive, highly stable, solid state sensor
- Simple Installation
- Long operating life

Explosion Prevention Systems (NFPA 69, Chap 8) and NFPA 2 Hydrogen Technology Code compliant. They are "Nonincendive" and meet Class 1 Division 1 and 2 (NEC) Hazardous Atmosphere codes

benefits

- Protects against battery charging room explosions
- Inexpensive protection for your property and employees
- Decreases electricity costs as a result of controlled exhaust fan operation
- Insurance premium reduction may be realized
- Reduces air conditioning and heating costs as a result of controlled fan operation
- Reliable, uninterrupted 24/7 monitoring and control
- Simple operation

technical specifications

DIMENSIONS (LXWXH)
7" (L) x 4-3/4" (W) x 2-1/4" (H)

MOUNTING
Four 3/16-inch screws

WARRANTY
Five (5) year warranty

Models & Part Numbers

AC

- 099140 HGD-DR Mark 4 85 to 265 VAC 50/60 Hz

DC

- 099141 HGD-DR Mark 4 17 to 60 VDC
- 099142 HGD-DR Mark 4 12 VDC

Accessories

- 099133 HGD Mimic Panel, single, w/buzzer (remote)
- 099135 HGD Mimic Panel, double. w/buzzer
- 099136 HGD Mimic Panel, triple, w/buzzer
- 099137 HGD Mimic Panel, single, (no buzzer)
- 099117 25 Foot Interconnect Cable
- 099128 Interconnect Cable, Custom Length up to 1000'

- 099127 Junction Box HGD



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You can expect

- Innovative products for motive power and stationary batteries
- Reliable, high quality, trouble-free products
- Ongoing and dependable support and services
- Superb customer reponse
- Tradition of technical expertise
- Over 30 years of delivering products to satisfy your needs