



## HGD-5000-R Repeater (Mimic) Panel



HGD-5000-R

### HGD Repeater Panel

The **HGD-5000-R** can be configured as part of a Hydrogen gas detection system incorporating up to three (3) HGD-5000 hydrogen gas detectors. The HGD-5000-R can be installed at eye level, with the HGD-5000 detectors being installed 1FT from ceiling, providing a convenient way to monitor and test the gas detection system.

The HGD-5000-R features a manual test circuit button to allow for detection system circuitry testing without the need of accessing the detector units at the ceiling. The HGD-5000-R displays system status including alarm conditions, hydrogen levels, and system health.

### Features

- Powers all connected HGD-5000 detectors via internal transformer
- Monitors up to three (3) HGD-5000 detectors
- Manual circuitry test button
- Color TFT display screen
- Audible alarm
- Strobe Outputs
- Analogue Outputs 4-20mA and 0-10V
- Designed in the USA
- 6FT 18AWG AC cord included

### Accessories

- HGD-AAB Visual / Audible Alarm Strobe



### Technical Specifications

General	
Model:	HGD5000-R
System Target Gases:	Repeater for Hydrogen Gas Detection System
Size: (H x W x D)	5.95 x 4.37 x 1.97" (151 x 111 x 50mm)
Housing Material:	ABS PA765. Flame Retardant UL 94V-1
Mounting:	Safe Zone - Indoor use - Wall Mounted
User Interface	
Display:	1.8" TFT
Visual Indicators:	Gas Level (Green: Normal; Yellow: Pre-Alarm; Red: Alarm)
Power Supply	
Rated Power:	26 VA @ 120VAC
Rated Voltage:	90-250 VAC
Outputs	
Fire alarm relay	1A
Pre-alarm 1% Vol (25% LEL) Main alarm 2% Vol (50% LEL) volt-free relay outputs:	10A switching current (resistive load)
Analogue	0(2)-10V & 0(4)-20mA field selectable - linear scale to alarm setpoint
Digital	Modbus RTU - RS485
Environmental	
Operating:	14~104°F / 20 ~ 90% RH (non-condensing)
Storage:	14~104°F / 20 ~ 90% RH (no condensation)
Approvals	
Electrical Safety & EMC	CE / UKCA BS EN 61010-1:2010 +A1:2019. & BS EN 50270 / FCC CRF 47part 15B