

## -INNOVATION & QUALITY-

The GLD-30 Gas Leak Detector is a fixed-installation ambient air monitor, designed to continuously sense the atmosphere for the presence of the target gas. This device is used to alert operators and plant personnel in the event of a Chlorine, Sulfur Dioxide or other gaseous leak.

The GLD-30 provides audible and visual alarm indications, as well as a common relay, four user-assignable relays, 4-20mA analog outputs & MODBUS (all standard). The GLD-30 incorporates:

- Integral 90 decibel horn
- 4-line, 80 character backlit LCD
- 5-button, tactile dome user interface
- Optional Battery Backup (12 hours)



Shown above: GLD-30 (CL2 - single sensor)

### *What sets the GLD-30 apart?*

- Monitor accommodates up to four sensors (standard), offering a full line of display status for each. Each channel offers full flexibility: selectable gas-type, range, alarm trip points, alarm delays, selectable relay assignments, relay behavior (latching or not)
- Controller offers four (4) assignable 4-20mA analog outputs & MODBUS (standard)
- Monitor can be powered with 115 VAC, 230 VAC or 24 DVC (user's choice – standard)
- Diagnostics software menu, displaying actual signal conditions and detailed status
- Simple zero and span calibration options (password protected)

Note: Controller and electrochemical sensors are suitable for 15% - 90% relative humidity.

<p><b>Controller Features:</b></p> <p><b>NEMA 4X (IP 65) Enclosure</b>  <b>Temperature Range</b> -5°-50°C / 23°-122°F  <b>Total Weight</b> 7 lbs (without battery)  <b>Weight with Battery</b> 9 lbs  <b>Relays:</b> 1 x Common, 4 x Assignable (5A SPDT)  <b>Audible Alarm</b> 90dB  <b>Power Requirement</b> 120 VAC, 240 VAC, 24 VDC  <b>Power Consumption</b> 20 W max.  <b>Battery Back-Up (optional)</b> 12 hours  <b>External Acknowledge</b> Input Contact  <b>Signal Output</b> 4 x 4-20 mA, MODBUS  <b>Remote Acknowledge</b> Input Contact  <b>Response Time:</b> Full scale &lt; 4 seconds  <b>Recovery Time:</b> &lt; 90 seconds  <b>Alarm Delays:</b> Adjustable  <b>Operating Humidity:</b> 15% - 90% relative  <b>Input:</b> 4-20 mA</p>	<p><b>Stocked Gas Sensors:</b></p> <p>Chlorine (Cl<sub>2</sub>): 0-10 PPM  Sulfur Dioxide (SO<sub>2</sub>): 0-20 PPM</p> <p><b>Other Sensors Offered:</b></p> <p>Ammonia (NH<sub>3</sub>): 0-100 PPM  Chlorine Dioxide (ClO<sub>2</sub>): 0-10 PPM *  Ozone (O<sub>3</sub>): 0-10 PPM *  Hydrogen (H<sub>2</sub>): 0-200 PPM  Hydrogen Sulfide (H<sub>2</sub>S): 0-100 PPM  Nitric Oxide (NO): 0-100 PPM *  Nitrogen Dioxide (NO<sub>2</sub>): 0-100 PPM  Oxygen (O<sub>2</sub>): 0-25%  Hydrogen Chloride (HCl): 0-10 PPM</p> <p><b>Temperature Range</b> -5°-50°C / 23°-122°F  <b>Operating Humidity:</b> 15% - 90% relative</p>
<p><b>Note:</b> Each unit offers one common alarm relay, which will trip on any alarm condition. The four additional relays can be assigned to any alarm condition desired. Each channel in use offers two programmable alarm points.</p>	<p><b>Sensor details:</b>  NEMA 4X (IP 65) Enclosure  Cable Type: 22 AWG shielded  Cable Length: 25 ft. std. (longer available)  Sensor Type: Electrochemical  -Includes calibration plug</p>

<b>ORDER CODE:</b>	<b>DESCRIPTION</b>
1) C – Sensor #1 Chlorine S – Sensor #1 Sulfur Dioxide X – Other Gas	0 – 10 PPM Chlorine 0 – 20 PPM Sulfur Dioxide Consult Factory
2) C – Sensor #2 Chlorine S – Sensor #2 Sulfur Dioxide X – Other Gas N – None	0 – 10 PPM Chlorine 0 – 20 PPM Sulfur Dioxide Consult Factory None
3) C – Sensor #3 Chlorine S – Sensor #3 Sulfur Dioxide X – Other Gas N – None	0 – 10 PPM Chlorine 0 – 20 PPM Sulfur Dioxide Consult Factory None
4) C – Sensor #4 Chlorine S – Sensor #4 Sulfur Dioxide X – Other Gas N – None	0 – 10 PPM Chlorine 0 – 20 PPM Sulfur Dioxide Consult Factory None
5) B – Battery Backup N – None	12 Hour Battery Backup Included Without Battery