

WARNING!
OUR COMPETITORS DON'T
WANT YOU TO READ THIS!

SUPERIOR

Gas Detector

Model SLD-1 & SLD-2

*The ultimate in personnel
and property protection!*



A key pad with green LED backlight allows for easy reading in any light. Two different gas sensor channels can be the same gas (two locations) or any two of chlorine, ammonia, sulfur dioxide, or ozone.

The SUPERIOR™ Gas Detector features "black box technology" that detects and records chlorine, sulfur dioxide, ammonia, and ozone gasses. Password protection provides SUPERIOR security. The high capacity memory event alarm log records up to 256 events, along with the date and time of each event. And, the log can be downloaded from the optional serial port.

The SUPERIOR™ Gas Detector offers SUPERIOR monitoring at levels far below the threshold of human awareness. A screeching 95 decibel internal alarm horn alerts personnel, with the sensor recovering quickly when the gas has cleared.

The SUPERIOR™ Gas Detector is designed for use in numerous areas.

- Wastewater treatment plants
- Water purification plants
- Swimming pools
- Cooling towers - air scrubbers
- Food and beverage processing
- Chemical processing

Standard features include:

- User-friendly key pad interface with functions indicated by individual menu display screens.
- 16-character by 2-line display, with green LED backlight for easy reading, even in low light areas.
- NEMA-4X controller enclosure.
- 95 dB internal alarm horn.
- Event alarm log records up to 256 events, with time and date, which can be viewed on the display or downloaded from the optional serial port.
- Sensor life and calibration reminder timers.

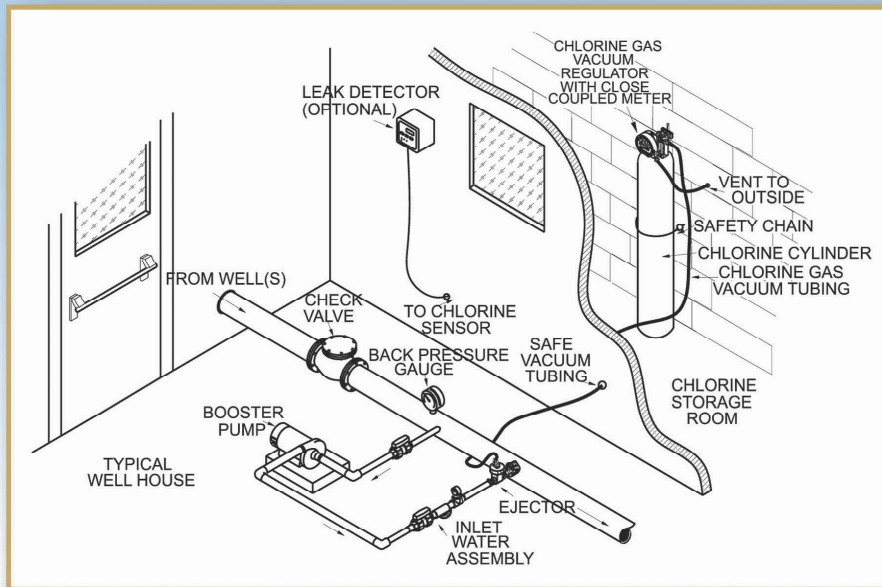
- 4-20 mA gas level monitor output.
- Password protection for all parameter settings.
- High, Low, Latching and Non-Latching alarm relays.
- Two level alarm settings for "Warning" and "Danger" gas levels.
- All alarm relays are user adjustable for N/O, N/C, Latch or Non-Latch.
- Flashing backlight screen when alarm acknowledgment is required.

*Featuring
black box
technology!*



Chemical Injection Technologies, Inc.

SUPERIOR Gas Detector Model SLD-1 & SLD -2



The unit can be placed where it is most convenient for the operator, up to 1,000 feet (305 meters) away in a monitored environment.

Specifications

Sensor Inputs (Analog Inputs)

Maximum Number of Gas Sensors:One (2 with SLD-2)
 Gas Sensor Signal:Current Loop (4-20mA)
 Loop Voltage:15V, Short Circuit Protected
 Maximum Sensor Distance:1000ft. (305 meters)

Sensor Outputs (Analog Outputs)

Signal Type:4-20mA
 Voltage Compliance:12V
 Maximum Load:600
 Minimum Load:0
 Number of Outputs:One (2 with SLD-2)

Relays & I/O

Type:Form-A (N/O)
 Maximum Current Rating:5A (Resistive)
 Suppression:275V, 10J, MOV
 Voltage:250VAC/30VDC
 Quantity:3 (1 Danger, 1 Warning, 1 Alarm)
 (5 with SLD-2: 2 Danger, 2 Warning, 1 Alarm)
 Remote Acknowledgement Switch:Yes
 Horn Output:Yes (10-24V)

Computer & Display

Micro Controller:68HC12 Type
 ROM:128k, FLASH
 ROM Ungradable in Field:Yes
 Real-Time Clock:Yes
 RS232 Port:2 (One Standard, One Optional)
 Display:LCD, 2-Line, 16 Characters/Line, Backlit
 Pushbuttons:Four, Tactile Dome Type

Power Supply

A.C. Line Voltage (115V):85V - 130V
 A.C. Line Voltage (230V):170V - 250V
 Power:12W
 Optional D.C. Supply:Sealed NiMH
 Environmental
 Operating Temperature:32°F to 122°F (0°C to 50°C)
 Humidity:2%, Non-condensing



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