

# MIL-RAM TECHNOLOGY

## Single Channel Gas Alarm

### Gas Alarm Features

- ◆ **no false alarms** Mil-Ram **patented** sensor technology
- ◆ Toxic/VOC/Oxygen: hundreds of different gases and vapors
- ◆ Self calibration adjusts span monthly based on sensor life curve - reduces calibration frequency and cost
- ◆ Auto gas calibration, non-intrusive, hands-free, magnetic switches
- ◆ Relay Module provides low, mid, high and fault relays, rated 10A
- ◆ Integrated audible horn and visible strobe
- ◆ LCD display - backlit - 12 characters x 2 lines - provides user interface with magnetic switches - no dip switches - Graphical LCD Option
- ◆ Offsite sensor calibration to replace sensors in the field w/o recalibration
- ◆ Peak Value, 15-min. TWA, Number days since last gas calibration
- ◆ Remaining sensor life and Replace sensor indication
- ◆ Standard Output: 4-20mA, linear
- ◆ RS-485 Modbus RTU option - provides multi-drop installations with serial communications to centralized control system (PLC, DCS, etc.)
- ◆ Operating Voltage - 110 VAC (24 VDC available)
- ◆ Nema 4X polycarbonate enclosure - Stainless Steel Option
- ◆ Continuous Diagnostics - Non-hazardous areas

### Sensor Technologies

- \* Electrochemical
- \* Infrared
- \* Solid State MOS
- \* Thermal Conductivity
- \* PID

### Sensors **patented** by Mil-Ram

- ◆ **no false alarms** Mil-Ram electrochemical sensor technology
- ◆ No *zero drift* with changes in temperature/humidity/pressure
- ◆ No LEL, methane, hydrocarbons, CO, CO<sub>2</sub>, VOCs gas interference
- ◆ Do not saturate with occasional exposure to high gas levels
- ◆ Do not *go to sleep* after long periods in gas-free air
- ◆ Chemically selective based on unique electrolyte chemistry
- ◆ Long life: >3 years typical under normal operating conditions



(Shown with Stainless Steel Option)

**Toxic - VOCs - Oxygen**  
Hundreds of Gases and Vapors

### Typical Applications

- ◆ Pulp & Paper
- ◆ Chemicals & Plastics
- ◆ Water & Wastewater Treatment
- ◆ Semiconductor & Electronics
- ◆ Laboratories & Universities
- ◆ Food Processing & Refrigeration
- ◆ Pharmaceuticals
- ◆ Any Industrial Process that generates Toxic Gas



MIL-RAM TECHNOLOGY, INC.  
REGISTERED TO ISO 9001:2008  
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**MIL-RAM**  
Patented Technology  
**no false alarms**  
Gas Detection Systems  
ISO 9001:2008 Registered

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