

ENGINEERING QUALITY AND RELIABILITY

VULCAN GUARD

GAS ALARM CONTROL SYSTEM

CONVENTIONAL GAS ALARM SYSTEM



The SST VulcanGuard Gas Alarm Control System is a conventional gas alarm system which consists of the latest state-of-the-art family of high performance, high reliability plug-in modules designed specifically for industrial, institutional and life safety applications. The required level of reliability is insured by a number of ingenious design approaches including extensive use of ASIC chips, industrial quality components, and design for operation under less-than-perfect power supply conditions. Each VulcanGuard Gas Alarm System is customized for the intended application by selecting the proper mix of system modules.

The system may include any combination of combustible, toxic, or oxygen detection modules, analog input modules, multi-input voting logic modules, relay logic modules, system facilities module, alarm signal activation modules, power supply, wall mounted or free standing enclosures with the appropriate mounting rack size to accommodate the number of zones for your system, and the necessary test equipment. In addition, SST can also provide System Design services to include wiring, assembly, testing, and documentaion as well as Start-up and Commissioning services as needed.

The combustible, toxic, or oxygen detection modules can be used with any sensor that provides a standard 4-20 mA output signal. The field wiring is continually monitored for faults and alarm outputs independently set "latching " or "non-latching."

FEATURES & BENEFITS

- Designed for rugged industrial environments
- Conventional gas alarm system
- Single slot plug-in module which can be inserted into or removed from rack with power on
- Monitors gas sensors via 4-20 mA sink or source input, regardless of manufacturer
- Field wiring continually monitored for faults
- Incoming signal digitally filtered to reject transients and line noise
- Modular design providing you unlimited zones
- Wall mounted or free standing system enclosure
- Hot-swappable feature to prevent any downtime to your entire fire alarm system
- Microprocessor in each module permits continuous operation regardless of condition of other modules
- Output modules for audible/visual alarms and extinguishing system control
- May be wired for cross-zoned applications
- Interfaces to external Relays, Logic, Data Acquisition Systems or PLC's
- 5 Year Warranty
- Made in the USA

APPLICATIONS

- Aerospace
- Agriculture
- Automotive
- Chemical
- Mining
- Power Generation
- Food and Beverage
- Oil and Gas
- Petrochechemical
- Transportation
- Warehousing and Distribution
- Water and Waste Treatment



23282 MILL CREEK DRIVE | STE. 215 | LAGUNA HILLS | CA 92653 | USA
TEL: 1-949-583-1857 | FAX: 1-949-340-6643
EMAIL: SALES@SAFETYSYS.COM | WWW.SAFETYSYS.COM

TECHNICAL SPECIFICATIONS

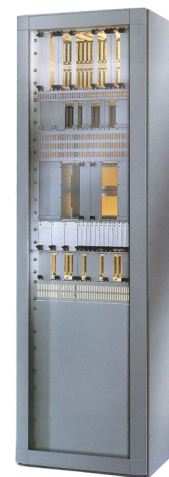
| | |
|---------------------------------------|---|
| SYSTEM OPERATING VOLTAGE: | 16 to 32 Volts DC (24 VDC Nominal) System will operate within specifications from any supply voltage within the specified range. All modules accept dual redundant supplies, but will operate with only one present. |
| AMBIENT OPERATING TEMPERATURE: | +14 to +140°F, -10 to +60°C System maintains all specifications over this range. |
| RFI CHARACTERISTICS: | No adverse system response when a 6 watt hand-held radio is operated within 1 foot of equipment. Typical Specification for industrial two-way radio. |
| WARRANTY: | 5 Years |

SYSTEM COMPONENTS

| | |
|------------------------|---|
| MODULES: | 6020 Combustible Gas Detection Module 6021 Toxic Gas Detection Module 6026 Oxygen Gas Detection Module 6029 4-20 mA Analog Input Module 6100 Multi-Input Voting Logic Module 6110 Relay Logic Module 6120 System Facilities Module 6230 Extinguishant Release Control Module 6241 Four Channel Supervised Alarm Output Module |
| POWER SUPPLIES: | 24 Volt Power Supply Optional Backup Power Supply (batteries or UPS) |
| ENCLOSURES: | 5600 Free Standing System Enclosure 5601 Wall Mounted System Enclosures |



5601 Series
Wall Mounted Enclosures



5600 Series
Free Standing
System Enclosures

ORDERING INFORMATION

FOR QUOTES AND PRICING: The VulcanGuard Gas Alarm Control System is customized based on the number of detectors and zones you have within your facility. Our knowledgeable and friendly system engineers will be able to assist you and provide you with quotes and pricing by:

Phone: +1 (949) 583-1857
E-mail: sales@safetysys.com

