

ENGINEERING QUALITY AND RELIABILITY

VULCAN GUARD

FIRE AND GAS ALARM CONTROL SYSTEM

CONVENTIONAL FIRE AND GAS ALARM SYSTEM



The SST VulcanGuard Fire and Gas Alarm Control System is a conventional fire 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 Fire and Gas Alarm Control System is customized for the intended application by selecting the proper mix of system modules.

Included with the system is a rack that consists of your fire alarm control system with the fire/smoke input modules, alarm signal output modules, power supply, and back-up power supply. A separate rack houses your gas alarm control system which consists of any combination of combustible, toxic, and or oxygen gas detection module. Additional modules can be included in either system for a multi-voting logic, relay logic, 4-20 mA analog input, alarm output, and system facilities modules.

The system can be ordered in a 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.

FEATURES & BENEFITS

- 2-rack Conventional Fire & Gas Alarm Control System
- Fire alarm input modules for flame detectors, smoke detectors, heat detectors, and manual pull stations
- Gas alarm input modules for combustible gas detectors, toxic gas detectors, and oxygen sensors
- Monitored output module provides operating voltage for alarm signals such as horns, bells, and strobe lights
- Extinguishant release module available to activate fire suppression systems
- Additional modules available: Relay Logic, Multi-Input Voting Logic, 4-20 mA Analog Input, and a Systems Facilities Logic Module
- Available in a wall mounted or free standing system enclosure
- Microprocessor in each module permits continuous operation regardless of condition of other modules
- Suitable for installation per NFPA 72
- Detection, Actuation, and Control System per NFPA 12, 13 and 2001
- May be wired for cross-zoned applications
- 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

FIRE ALARM CONTROL MODULES:	6010 Dual Channel Fire/Smoke Detection Input Module 6110 Relay Logic Module 6120 System Facilities Module 6230 Extinguishant Release Control Module 6241 Four Channel Supervised Alarm Output Module
GAS ALARM CONTROL 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:	Two 24 Volt Power Supply Backup Power Supply (batteries or UPS)
ENCLOSURES:	5600 Free Standing System Enclosure 5601 Wall Mounted System Enclosures

ORDERING INFORMATION

FOR QUOTES AND PRICING:	The VulcanGuard Fire 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:
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Phone: +1 (949) 583-1857
E-mail: sales@safetysys.com

