

ENGINEERING QUALITY AND RELIABILITY

# VULCAN GUARD

## FIRE ALARM CONTROL SYSTEM

### CONVENTIONAL FIRE ALARM SYSTEM



The SST VulcanGuard Fire 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 Alarm System is customized for the intended application by selecting the proper mix of system modules.

Included with the system are the fire/smoke input modules, alarm signal output modules, power supply, back-up 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 two channel fire detection module provides two independent detection input channels for the VulcanGuard Fire Alarm Control System. Each input circuit is designed for a two-wire "Class B" circuit, and can supply the operating voltage required to power smoke detectors, flame detectors, heat detectors, and manual pull stations.

The four channel monitored output module provides operating voltage for alarm signal horns, bells and strobe lights.

Available optional extinguishant release modules are used to activate fire suppression systems including Carbon Dioxide, FM-200, FE-13, Novec, Argonite, foam and water deluge systems.

## FEATURES & BENEFITS

- Designed for rugged industrial environments
- Conventional fire alarm system
- 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
- Suitable for installation per NFPA 72 Detection, Actuation, and Control System per NFPA 12, 13 and 2001
- May be wired for cross-zoned applications
- Field wires supervised for open circuit, short circuit, or ground fault
- Redundant power supply systems operating at 24 volts DC with "Bumpless Transfer" to back up batteries
- 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



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## TECHNICAL SPECIFICATIONS

<b>SYSTEM OPERATING VOLTAGE:</b>	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.
<b>AMBIENT OPERATING TEMPERATURE:</b>	+14 to +140°F, -10 to +60°C System maintains all specifications over this range.
<b>RFI CHARACTERISTICS:</b>	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.
<b>WARRANTY:</b>	5 Years

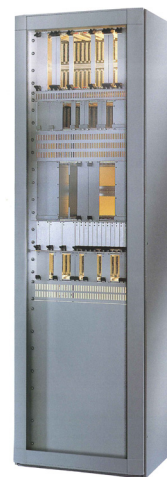
## SYSTEM COMPONENTS

<b>MODULES:</b>	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
<b>POWER SUPPLIES:</b>	Two 24 Volt Power Supply Backup Power Supply (batteries or UPS)
<b>ENCLOSURES:</b>	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 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:

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

