



VM SERIES



7165-1957-309

FDNY APPROVED



Standard Features

- One Class A or Class B intelligent device loop standard, optional loops brings control panel capacity to 1000 devices
- 24-line by 40-character backlit LCD capable of displaying eight simultaneous events
- Optional voice evacuation and firefighter's telephone
- Part of an end-to-end audio solution suitable for low frequency signaling in sleeping areas
- Optional network interface slots are located on the back of a swingable mounting chassis
- Electronic addressing with automatic device mapping
- Optional Ethernet port for diagnostics, programming
- Supports strobe synchronization
- Supports up to 30 R-Series remote annunciators with either Class A or Class B wiring
- Networkable up to twenty four VM control panels monitoring 24,000 intelligent points
- Patented Voltage Boost™ technology delivers constant voltage on NAC and AUX circuits — even at low battery power.
- 10 Amp UL listed power supply with universal 94 to 264 Vac input voltage
- Integrated Carbon Monoxide gas sensing with V-PCOS detectors including distinct audible signaling
- Four on-board Notification Appliance Circuits
- Room for three optional front panel LED/Switch modules
- Optional Ethernet interface
- UL2572; UL864 UUKL; UL 864 Listed for releasing applications using GSA-REL
- Optional earthquake hardening: seismic Importance Factor 1.5

VS- SERIES



Features

- Auto-programming speeds installation time
- Supports V-Series intelligent modules and detectors
- Form C contacts for alarm and trouble, Form A for supervisory
- Electronic addressing with automatic device mapping
- Optional Ethernet port for diagnostics, programming and a variety of system reports
- Two programmable switches with LEDs and custom labeling
- Supports Genesis horn silence over two wires, and UL 1971-compliant strobe synchronization
- Supports GSA-REL releasing module for fire suppression
- Class B or Class A wiring
- Ground fault detection by module
- Supports up to eight serial annunciators, (LCD, LED-only, and graphic interface)
- Can use existing wiring for most retrofit applications
- Upload/download remotely or locally
- Two-level maintenance alert reporting
- Pre-alarm and alarm verification by point
- Adjustable detector sensitivity
- 4 x 20 character backlit LCD display
- Optional earthquake hardening: seismic Importance Factor 1.5
- Standalone operation
- Transmission test frequency by hour
- *Alarm ON* command manually activates alarm condition

INTELLIGENT DETECTORS



Standard Features

- Optical, heat, and multisensor models available
- Compatible standard, relay, isolator, and audible bases
- Field replaceable optical chamber
- Electronic Addressing including mapping location
- Bases mount to standard North American two-gang or 4" square electrical boxes
- Dual color LED provides at-a-glance alarm indication
- Tamper-resistant feature
- Self diagnostic capability with on-board storage of results
- Optical detectors feature automatic rate compensated sensitivity adjustment, as well as dirty sensor warnings
- Manufactured to strict international ISO 9001 standards
- Assembled using surface mount technology for RF resistance
- Conformally coated components resist dust and humidity
- Automatic detector test
- Low Profile Design

MANUAL PULL STATION



- **Break glass operation**

An up-front visible glass rod on the GSA-M270 discourages tampering.

- **Intelligent device with integral microprocessor**

All decisions are made at the station allowing lower communication speed while substantially improving control panel response time. Less sensitive to line noise and loop wiring properties; twisted or shielded wire is not required.

- **ADA Compliant**

Meets ADA requirements for manual pull stations.

- **Electronic Addressing with Non-volatile memory**

Permanently stores programmable address, serial number, type of device, and job number. Automatically updates historic information including hours of operation, last maintenance date, number of alarms and troubles, and time and date of last alarm.

- **Automatic device mapping**

Each station transmits wiring information to the loop controller regarding its location with respect to other devices on the circuit.

- **Stand-alone operation**

The station inputs an alarm even if the loop controller's polling interrogation stops.

- **Diagnostic LEDs**

Status LEDs; flashing GREEN shows normal polling; flashing RED shows alarm state.

- **Designed for high ambient temperature operation**

Install in ambient temperatures up to 120 °F (49 °C).

Traditional familiar appearance

GSA-M270 models feature our familiar teardrop design with simple positive pull action and sturdy die-cast metal body.

One stage (GA), two stage (pre-signal), and double action models

GSA-M270 models are available for one or two stage alarm systems. The single stage double action GSA-M278 features a rugged Lexan housing with keyed reset mechanism.

SPEAKER STROBE



Patents pending

Standard Features

- **Unique low-profile design**
 - The most compact UL/ULC listed speaker-strobe available
 - Ultra-slim, protrudes a mere one inch from the wall
 - Attractive appearance, no visible mounting screws
- **Field configurable – no need to remove the device!**
 - ¼, ½, 1, or 2 watt operation and selectable candela output with convenient switches that remain visible even after the unit is installed
- **ECS/MNS models available**
- **Unparalleled performance**
 - loud 90 dBA output ensures clear, crisp audio
 - Exclusive FullLight strobe technology produces the industry's most even light distribution
 - Precision timing electronics meet tough new synchronizing standards for strobes when used with compatible modules:
 - Optional field-configurable temporal strobe output
 - 25 Vrms and 70 Vrms models available, all supplied with a DC blocking capacitor for audio circuit supervision
- **Easy to install**
 - Fits all standard 4" square electrical boxes with plenty of room behind the signal for extra wire – no extension ring or trim plate needed
 - #18 - #12 AWG terminals – ideal for long runs or using existing wiring

CARBON MONOXIDE DETECTOR



Standard Features

- 10-year end-of-life signal
- SafeTest™ feature — functional test with spray of real CO gas
- Advanced electro-chemical sensing technology
- Wiring option activates sounders of all connected detectors when any one of them goes into alarm
- Deep housing with plenty of room for wiring
- UL 2075 compliant
- Transmits sensor end-of-life to the supervising panel and central station if the system is monitored
- CO sensitivity conforms to UL 2034 requirements
- Built-in trouble/power supervision relay
- Self-diagnostics keep the device operating optimally throughout its service life
- 12 or 24VDC operation and 150mA Form C relay
- Large SEMS terminals ease wiring installation 14 to 22 AWG
- One-touch TEST/HUSH button simplifies local operation
- Integrated 85 dBA temporal-4 sounder for local notification
- On-board LED provides local alarm and trouble indication
- Inconspicuous footprint and attractively contoured design
- Adapter plate simplifies replacing 240-COe detectors

AUXILLARY POWER SUPPLY



FEATURES

- Allows for reliable fibered and regulated power to be installed where needed
- Cost effective system expansion
- Provides for genesis and enhanced integrity notification appliance synchronization
- Supports coded output operation
- Self-restoring over current protection
- Multiple signal rates
- Can be cascaded or controlled independently
- Easy field configuration
- On-board diagnostic LEDs identify wiring or internal faults
- Standard Edwards keyed lockable steel cabinet with removable door
- 110 and 230 VAC models available
- Accommodates 18 to 12 AWG wire sizes
- Optional tamper switch
- Dual battery charging rates

INPUT MODULE



Standard Features

- **Monitor and waterflow/tamper applications**
Includes Alarm with delayed latching (retard) for waterflow applications, Supervisory, and Monitor.
- **Non-volatile memory**
Permanently stores serial number, type of device, and job number. Automatically updates historic information including hours of operation, last maintenance date, number of alarms and troubles, and time and date of last alarm.
- **Automatic device mapping**
Each module transmits wiring information to the loop controller regarding its location with respect to other devices on the circuit.
- **Electronic addressing**
Permanently stores programmable address; there are no switches or dials to set. Addresses are downloaded from a PC, or the SIGA-PRO Signature Program/Service Tool.
- **Intelligent module c/w integral microprocessor**
All decisions are made at the module allowing lower communication speed while substantially improving control panel response time. Less sensitive to line noise and circuit wiring properties; twisted or shielded wire is not required.
- **Ground fault detection by address**
Detects ground faults right down to the device level.
- **Designed for high ambient temperature operation**
Install in ambient temperatures up to 120°F (49°C).

CONTROL RELAY MODULE



Standard Features

- **Provides one no/nc contact (GSA-CR/MCR)**
Form "C" dry relay contact can be used to control external appliances such as door closers, fans, dampers etc.
- **Allows group operation of sounder bases**
The GSA-CRR/MCRR reverses the polarity of its 24 Vdc output, thus activating all Sounder Bases on the data loop.
- **Plug-in (UIO) or standard 1-gang mount**
UIO versions allow quick installation where multiple modules are required. The 1-gang mount version is ideal for remote locations that require a single module.
- **Automatic device mapping**
Signature modules transmit information to the loop controller regarding their circuit locations with respect to other Signature devices on the wire loop.
- **Electronic addressing**
Programmable addresses are downloaded from the loop controller, a PC, or the SIGA-PRO Signature Program/Service Tool; there are no switches or dials to set.
- **Intelligent device with microprocessor**
All decisions are made at the module to allow lower communication speed with substantially improved control panel response time and less sensitivity to line noise and loop wiring properties; twisted or shielded wire is not required.
- **Ground fault detection by address**
Detects ground faults right down to the device level.