

Elite Fire Alarm Product Guide



About VES Elite

VES was founded with one mission: to give dealers a comprehensive, cost-effective means of providing fire detection networks for corporate, educational, government and retail campuses of any size using 21st century technologies.

Building on our success in the Engineered Systems Market we are introducing our new Elite range of fire detection products including the all new Elite RS control panel. With Elite, VES enables Dealers to compete in the small systems market, without compromising on features or expandability. Rest easy, knowing that our systems will grow with you, from a simple 32 point system to a 32,000 point system. No matter what the scope of your installation, all of the VES panels program the same way, with easy-to-use software.

Our state-of-the-art line of sensors and modules are easy to install, requiring no special programming tool. Sensor heads assume the address of the base, for easy swap-outs and all other modules use simple DIP switch programming for address and feature selection.

Whether you need a single product line to satisfy small installations or wish to develop your business by becoming part of the Elite Certified Dealer Program, VES has the product range. When you need it, you'll have the ability to offer larger system solutions including multi-panel networking, and remember all VES panels program the same way, with easy-to-use, easy-to-learn configuration software.

Elite RS

Analog Addressable Fire Control Panels

(1 or 2 Loops)



Available with one or two detection loops capable of hosting up to 252 devices. Elite RS uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all small to medium sized fire detection systems, Elite RS control panels can be expanded and networked to become part of much larger systems if the need arises, therefore providing a future proof solution for any installation.

With its large graphical display and ergonomic button and indicator layout, the Elite RS control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

- Available in Red or Gray
- 2 programmable NAC circuits
- 3 programmable relays
- 5.25A power supply
- Large 320 Character graphic display
- Up to 512 additional programmable I/O via I/O modules
- Powerful, network wide cause and effects (Certified Systems Dealers Only)
- Sensitivity adjustment and Drift Compensation
- Can be networked with other Elite control panels (Certified Systems Dealers Only)
- Compatible with eVIEW Annunciator
- Stores the last 1000 events
- Compact, stylish enclosure
- Multi language option available

1 Loop

VF0853-10 Red
VF0853-40 Gray

2 Loops

VF0863-10 Red
VF0863-40 Gray

Also available:

1 loop expansion board - VF1054
Trim ring - VF1071
Network Card - VF1170 (Certified Systems Dealers Only)

All VES controls are
UL 9th Edition listed
and FM approved



eVIEW

Serial LCD Annunciator



VF1172-10 Red

VF1172-40 Gray

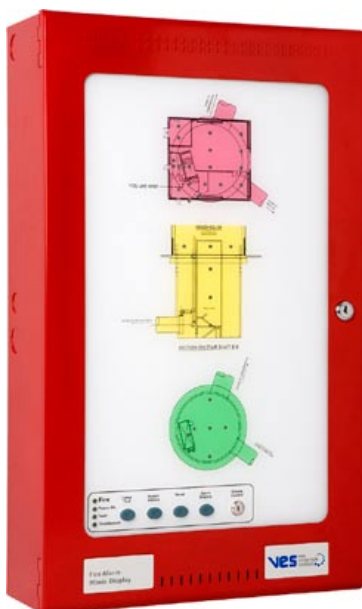
The eVIEW fire alarm annunciator provides a simple and convenient method of extending the controls and indications of the Elite fire alarm control panel to other locations.

The large, graphic LCD display and high brightness LED indicators duplicate the indications on the Elite fire alarm control panel at up to 15 additional locations via a simple, two-wire serial data connection.

- Available in Red or Gray
- Up to 15 annunciators can be connected to each Elite RS fire control panel
- Large 320 Character graphic display
- High brightness LED indications
- Internal Sounder
- Replicates all panel controls
- Simple, two-wire serial connection plus 24VDC
- Low power consumption
- Multi language options
- Connection supervised by Elite fire control panel
- Flush Mounting Kit available (VF1173)

eMATRIX

Configurable Floor Plan Mimic Annunciator



The eMATRIX system uses flexible, optic light guides to illuminate areas on a floor plan, laid over a high resolution grid. This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for any wiring.

All indicators can be configured to operate upon any event type and at point, zone or group level via the powerful and intuitive Loop Explorer configuration.

- Available in Red or Gray
- Up to 504 LED's can be controlled from any Elite panel
- Select up to 12 printed colors (not including background and building outline)
- Available in a range of standard enclosures to suit any applications
- Custom sized units can be made upon request
- Choice of Red, Green or Yellow LED's
- eMATRIX can easily be re-configured or upgraded on site with minimal cost and effort
- Special Order Item

Enclosure sizes:

AM2: 14.5" Wide x 12.2" High x 3.5" Deep, Max. number of LED's = 40

AM3: 14.5" Wide x 18.9" High x 4.25" Deep, Max. number of LED's = 72

AM4: 14.5" Wide x 24" High x 5" Deep, Max. number of LED's = 88

VF1171

16 Channel Input/Output Board



To add more I/O capability to the extensive options already offered by the Elite control panel, up to thirty two, sixteen channel I/O boards may be connected.

When using a simple two wire RS485 communications protocol, these boards may be mounted locally to the control panel or distributed on a bus up to 3,900 feet long by using a suitable cable.

The flexibility of these boards is further enhanced by the fact that each of the channels is configurable as either an input or and output.

- 16 channels
- Each channel configurable as input or output
- Inputs opto-isolated
- Outputs open collector transistor
- Simple 2 wire connection to control panel
- Up to 32 boards supported per panel (512 Input/Output Channels)
- Inputs and outputs configurable as per field devices
- Full cause and effects on all inputs and outputs
- Multi drop RS485 communications
- Can be used with other Elite I/O modules on the same panel

VF3033/VF3034

Single Action and Dual Action Addressable Pull Station



The VF3033 and VF3034 series pull stations are operated by pulling the handle marked "PULL" on the front of the station as far down as it will go. At that point, the station will lock in place and is easily visible from up to 50 feet. The activation handle is reset by opening the station with the key, placing the handle in the normal upright position and relocking the station.

On the dual action, the push bar rotates inward allowing the "PULL" handle to be grasped and operated by a single hand. A VF5608 Mini Switch Monitor is an integrated component of this assembly allowing user flexibility in assigning its own unique Signaling Line Circuit (SLC) loop address.

- Single or Dual Action
- Gold Plated Alarm Contacts
- Surface or Weatherproof back boxes available.
- Status LED to indicate device operational state
- SLC wiring easily attached with screw compression plates



VF5600

Ionization Smoke Sensor Head

- 5 programmable response modes
- Drift compensation
- Address is set by X-Pert card and is stored in base
- Two Status LEDs for 360° visibility of alarm status



VF5601

Photoelectric Smoke Sensor Head

- 5 programmable response modes
- Drift compensation
- Two Status LEDs for 360° visibility of alarm status
- Address is set by X-Pert card and is stored in base
- Polarity insensitive



VF5602

Heat Detector Head

- 5 programmable response modes
- Address is set by X-Pert card and is stored in base
- Fixed point or rate of rise function
- Two Status LEDs for 360° visibility of alarm status
- Programmable Range 135° - 190° (F)



VF5603

Multisensor Detector Head

- 5 programmable response modes
- Combines photo smoke and heat value for enhanced detection performance and false alarm reduction
- Address is set by X-Pert addressing and is stored in the sensor base
- Rate of rise heat option
- Drift compensation
- Polarity insensitive
- Two Status LEDs for 360° visibility of alarm status



VF5632

E-Z Fit Base

- The E-Z fit base is a low profile 6" mounting base for detectors
- High degree of protection against unauthorized removal



VF4990

Aux Powered Sounder Base

- Compatible panel silence functions
- Sync network "self tests" to ensure synchronized output if "upstream" sync signal is lost
- Sounders will operate in "failsafe" mode if the sync network is compromised
- Continuous or Temporal output with Sync module available to sync multiple temporal units



VF5635

Low Power Relay Base

The VF5635 Low Power Relay Base incorporates a low power relay to control field equipment such as automatic door closers

- Gives a set of voltage free contacts controlled by the remote output of a detector
- Draws negligible current



VF5633

Isolating Base

The VF5633 Isolating Base sense and detects short circuit faults on SLC loops

- Up to 20 devices may be installed between isolating bases
- XPERT addressing
- Accommodates a sensor head.



VF5640

Blank XPERT Card

A Universal address card supplied with all bases. Using a coding guide, pips are removed to set the address of the inserted detector.

- Simplifies and speed up installation and commissioning
- Used patented, proven technology
- Address remains the same, no matter how often detectors are replaced



VF5663 Input Module

- Three input states - "normal", "fault" and "alarm"
- One visible LED
- Fast response time
- Mounts on 2-gang or 4x4 box



VF5664 Dual Input Module

- Three input states per input - "normal", "fault" and "alarm"
- Two visible LEDs
- Fast response time
- Mounts on 2-gang or 4x4 box
- 2 Individual inputs on one module.



VF5665 Input/ Output Module

- Provides a single-pole output, supervised input and a non-supervised input
- Visible LED
- Fast response time
- Mounts on 2-gang or 4x4 box



VF5666 Supervised Output Module

- Allows sounders to be operated continuously or be pulsed, 1 second on, 1 second off
- Can also be used for public address speakers
- Visible LED
- Can be used for remote NAC circuits or boosters.



VF5667 Relay Output Module

- The Relay Output Module provides a single 2-pole changeover relay
- Can be placed anywhere on loop
- Visible LED



VF5608

Mini Input Module

- Designed for use where space is limited
- LED status indication (Yellow - Fault, Green - Polling, Red - Alarm)
- DIN Rail Mountable



VF5660

Pigtail Input Module

- Three input states - "normal", "fault" and "alarm"
- LED depicting module status condition
- Designed to fit into equipment with limited space
- Monitors equipment where a fast response is required
- Class A or Class B input capability



VF5605

Isolator

The VF5605 Isolator is placed at intervals on the loop and ensures that, in the case of a short circuit, only the section between the isolators will be affected. When the short circuit is removed, the isolators automatically restore power and data to the isolated section.

- Detects wiring short circuits using patented technology
- Minimizes disruption from short circuits
- Automatic de-isolation on short circuit removal
- Up to 20 devices may be installed between isolators



VF5634

Isolator Base

The VF5634 Isolator Base is unique and designed to only accept the Isolator

- Only accepts Isolators



VF4992

Duct Smoke Detector

- Patent pending "Test Port Valve" allows for aerosol smoke testing without cover removal
- Clear cover fitted with four captive "No-Tools Required" thumbscrews
- In-line terminal block for easier wiring
- More wiring space than competitive models
- Built in alarm relay test switch Unit includes green pilot and red alarm visual indicators
- External mounting tabs do not require cover removal to install
- One set of 15A form "C" alarm contacts



VF071x

Fire Document Enclosure

- Matches design and color scheme for standard Elite control panels
- Standard enclosure holds 50 sheets of paper, deep version holds 100 sheets
- Key lockable, Tamper included
- Designed for versatility
- Choice of small or large capacity enclosure in Red or Gray
- The "Doc Box" also doubles up as a Key Box, providing 7 easily accessible formed key hooks

VF0710-xx*: Standard

VF0711-xx*: Deep

VF0712-xx*: Standard w/Tamper

VF0713-xx*: Deep w/Tamper

*xx = 10 (Red) or 40 (Gray)



VF073x

Ancillary Enclosure

- The Ancillary Enclosure is designed to provide an organized and secure mounting enclosure for I/O cards and SLC devices. The Ancillary Enclosure is manufactured in three different sizes, two different colours and with a tamper option.
- The Ancillary Enclosure is customized with mounting requirements and multiple conduit entries to fit module configurations depicted in the table below.
- Available in Red (-10) or Gray (-40)

VF0730-xx*: 14.5"W x 12.2"H x 3.4"D

VF0731-xx*: 14.5"W x 18.9"H x 4.25"D

VF0732-xx*: 14.5"W x 24"H x 5"D

* xx = 10 (Red) or 40 (Gray)

Chassis plate part number:

VF0752-00 : Auxiliary Enclosure Device Plate, Large Enclosure

VF0751-00 : Auxiliary Enclosure Device Plate, Medium Enclosure

VF0750-00 : Auxiliary Enclosure Device Plate, Small Enclosure

Enclosure Module Options:

VF0730: 3 x SLC devices (VF5663 - VF5667) or
3 x I/O boards (VF1171) or
2 lengths of din rail

VF0731: 6 x SLC devices (VF5663 - VF5667) or
3 x I/O boards (VF1171) or
3 lengths of din rail

Fixings included for 5.25A Power Supply (When fitted this reduces number of available modules)

VF0732: 9 x SLC devices (VF5663 - VF5667) or
6 x I/O boards (VF1171) or
4 lengths of din rail

Fixings included for 5.25A Power Supply (When fitted this reduces number of available modules)

Note: A combination of SLC devices, I/O boards, din rail and PSU can be achieved.

Certified Dealer Program

The Certified Dealer Program (CDP) allows dealers, through technical training, to obtain and install the full line of VES Elite Fire Alarm Products. Some of the benefits of certification are as follows:

- Access to networking, allowing for up to 64 panels on one network, with a potential system size of over 32,000 points.
- Network wide Configure Cause & Effect actions
- The use of a single DACT (Dialer) to communicate networked panel events to the Central Station.
- The larger, Elite 2-4 loop panel with modular design and up to 504 primary points per panel.
- Ability to 'Mix and Match' Elite & Elite RS panels on a single network
- Access to our eSP online Software Suite, including Discovery online remote programming.

Please contact your Distributor or VES Sales to learn more about the requirements for the Certified Dealer Program.

Elite

Analog Addressable Fire Control Panels (2 or 4 Loops)



2 Loops

VF1460-10 Red

VF1460-40 Gray

4 Loops

VF1480-10 Red

VF1480-40 Gray

Available with two or four detection loops capable of hosting up to 504 devices. Elite uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all medium sized fire detection systems, Elite control panels can be expanded and networked to become part of much larger systems if the need arises, therefore providing a future proof solution for any installation.

With its large graphical display and ergonomic button and indicator layout, the Elite control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

- Available in Red or Gray
- 4 programmable NAC circuits
- 5 programmable relays
- 5.25A power supply
- Large 320 Character graphic display
- Up to 512 additional programmable I/O via I/O modules
- Powerful, network wide cause and effects (Certified Systems Dealers Only)
- Sensitivity adjustment and Drift Compensation
- Can be networked with other Elite control panels (Certified Systems Dealers Only)
- Compatible with eVIEW Annunciator
- Stored 500 last events in event log
- Compact, stylish enclosure
- Multi language option available

Also available:

2 loop expansion board - VF1053

Trim ring - VF1070

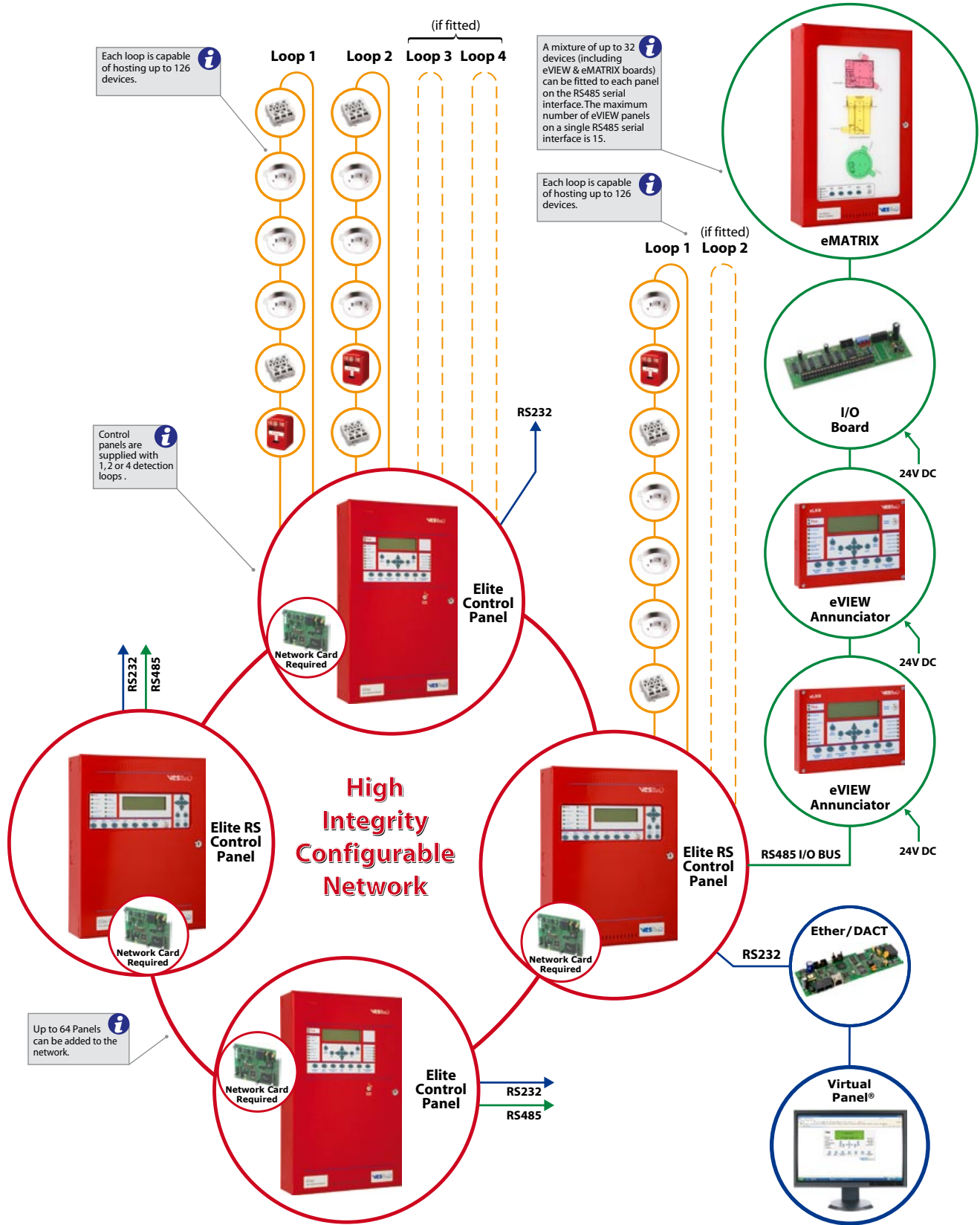
Network Card - VF1170 (Certified Systems Dealers Only)

VF1170 - Network Card



- Up to 64 nodes
- High integrity protocol
- Fully secure against short or open circuit faults
- Simple 2-wire loop connection
- Network wide test and disablement functions
- Network wide cause and effect logic
- Flexible configuration options
- Panels configurable to act on network events or not, as required

Elite - Certified Dealer Network System Schematic





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