Nexgen FIRE DETECTION SYSTEMS

NEXGEN - RS ELITE

Analog Addressable Fire Control Panels (1 or 2 Loops) Apollo Protocol

VF0850 (1 Loop)
VF0860 (2 Loops)

apollo Protocol



Standard Features

- One full SLC circuit expandable to two
- 3 programmable relays
- 5.25A power supply
- Large graphic display
- Real time clock
- Compatible with eMATRIX graphics annunciator
- Powerful, network wide cause and effects (500 total). Fully user programmable by point or zone.
- Can be networked with additional RS and/ or Elite control panels
- Compatible with eVIEW Annunciator
- Programmable through a PC connection to the panel
- Same look and feel as Elite range
- Stores 1000 last events in history log
- Model ranges include with or without a Dual-Line internal DACT
- Compact, stylish enclosure
- Available in Red or Gray
- 2 Programmable NAC circuits with internal synchronization support.

Product Overview

- RS Elite is a versatile range of open protocol fire alarm control panels compatible with existing Elite fire alarm panel technology.
- Available with one or two detection loops for a total of 250 primary points or 400 points using subpoints. RS Elite 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, RS 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 RS Elite control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

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Added Features:

RS ELITE with Internal Modem/DACT (VF0856/VF0866)

- Dual line digital communicator and modem
- Central Station reporting; SIA and Contact ID
- On-board loop start terminal connections for both primary and secondar Telco lines

RS ELITE with Ether/DACT (VF0854/VF0864)

- Dual line digital communicator and modem
- Central Station reporting; SIA and Contact ID
- Phone line jacks – RJ-11 (two)
- Modem speed: 33.6 Kbps for program downloading
- Virtual panel capability via Ethernet

RS ELITE with Network Interface Card (VF0852/VF0862)

- Network uses standard Cat 5 cabling
- Up to 2,000 ft. between adjacent panels
- 115 Kbps constant network speed
- TCP and UPD communications through VESNet
- Total network delay less than 3 sec. with 127 panels
- Network Jacks – RJ-45 (VESNet and Ethernet)
- Mapped Network; Display messages for Any or All nodes

RS ELITE with Media Gateway® (VF0851/VF0861)

- All the features of the Ether/DACT and NIC plus:
- Enables network programming with direct TCP/IP access to each panel
- Access point for network communications

Technical Specifications

Construction: 16AWG sheet steel
Dimensions: 14.5"W x 18.9"H x 4.25" D
Weight (without batteries): 20lb
Finish (lid & box): RAL3002 (Red) or BS 00 A 05 (Gray)
Finish (product labels): BS 00 A 05 (Gray)
Mains voltage supply: 110 or 230V AC 50 or 60 Hz. (specify when ordering, default is 110V)
Mains supply fuse: 1.6A 250V
Power supply DC rating: 24V 5.25 Amps
Aux 24V supply: Fused at 500 milliamps
Battery (24 hour standby): 9Ah 12V (2 per panel) (non-networked)
Fault contact rating: 30V DC 1 Amp
Fire contact rating: 30V DC 1 Amp
Alarm contact rating: 30V DC 1 Amp
NAC output rating: 3.1V across both channels, 2.3V across any one
Detection loop: 250 milliamp output
Serial expansion port: Serial RS485
PC port: Serial RS232
Network connection: Optional network Cards allow the use of e-Net networking or VESnet networking
NAC Synchronization: Internal Support
NAC Protocols: System Sensor, Wheelock, Gentex, Amseco

Also available:

eNET Networking Card - VF1170
1 loop expansion board - VF1054
Trim ring - VF1071