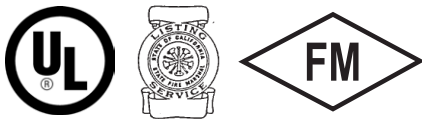


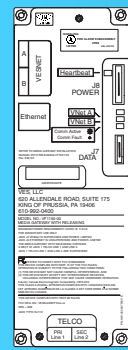
VESNet

Communication and Network Options



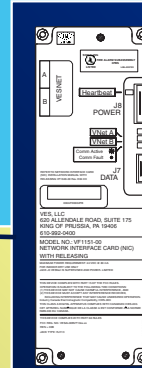
Communications Installation

- One Communications Card per Panel
- 1 Plug-in Ribbon Cable, 2 CAT5 wired to RJ-45 VESNet connectors
- 2 RJ-11 Telephone Jacks
- 1 RS-232 cable to panel
- Ethernet RJ-45 on Media Gateway
- Powered from Panel
- VESNet communication is only available on the Media Gateway and NIC. Telephone jacks are only available on the Media Gateway and Ether/DACT.



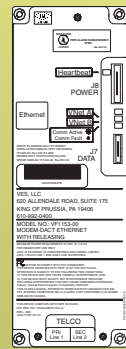
VF1150 Media Gateway with Releasing

Supports networking, remote monitoring, virtual display and remote programming and remote displays.



VF1151 Network Interface Card (NIC) with Releasing

Used for inter-panel networking and interfaces to other systems.



VF1153 VESNet Ether/DACT

Used for single panel installations.

Supports remote monitoring, virtual display, and remote programming.

Standard Features

- Dual-line digital communicator with line seizure on Media Gateway and Modem DACT
- 33.6 Kbps modem for panel downloading
- Provides network-wide programming with remote and local management
- Remote programming via eSP Discovery
- Transmits in SIA (SIA 8 and SIA 20) Digital Communications standard (300 bps) and Contact ID communication format
- All nodes report through a single Media Gateway to a central station and data center
- VESNet configurable for Class A or B networking
- Communication speed of 115 Kbps on VESNet™ and 10BaseT Ethernet interface
- Built-in Firewall with messaging through LAN connections always from within VESNet
- Maintenance message logging
- Virtual Panel ready with Media Gateway
- Built-in Web Server in the Media Gateway for displaying Virtual Panel
- Installation diagnostics at startup through eSP
- Onboard Motorola 32 bit, 66 MHz RISC processor
- RJ-45 (Ethernet) port for LAN connection
- 2 RJ-45 VESNet™ ports for network connections using standard CAT 3,5,5e,6 cable
- 2 RJ-11 Telco ports for phone lines for connection to RJ-31X or RJ-38
- Up to 127 Fire Nodes can be installed on VESNet™
- Up to 2,000 feet between nodes on VESNet™
- Installation diagnostics at startup

Added Features:

VF1121 - eLAN with Media Gateway:

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

VF1122 - eLAN with NIC:

- Network uses standard Cat 5 cabling
- Up to 2,000 ft. between adjacent panels
- 115 Kbps constant network speed
- TCP and UDP 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

VF1124 - eLAN with VESNet Ether/DACT:

- Virtual Panel ready with Firewall
- Direct IP programming with eSP Discovery Transfer agent
- Access point for network communications
- 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

Technical Specifications

DC Input: 24 VDC on all Com

Power:

	Standby current	Alarm current
Media Gateway	100mA	115mA
NIC	75mA	80mA
Ether/DACT	75mA	95mA

Dimensions: 2.5" W x 7.5" D x 1.125" H (includes circuit board with cover)

Operating Environment:

Low temperature	32° +/- 3°F (0° +/- 2°C), UL 864, 65.2	
High temperature	120° +/- 3°F (49° +/- 2°C), UL 864, 65.3	
Relative humidity	93% +/- 2% @ 90° +/- 3°F (32° +/- 2°C), UL 864, 65.4	

Virtual panel capability

The VES eLAN Panels with a Media Gateway can be connected to a local IT LAN and provides the ability to view a depiction of the FACP display. Virtual Panel may also allow operating the keypad, as if standing in front of the FACP.

- Can be viewed by all personnel with the correct security logon
- Presents an exact replica of messages on any connected eLAN panel's display
- Authorized personnel with panel security access can also perform all display keypad functions from Virtual Panel locations.
- Virtual Panel ships disabled and requires activation
- Internet Explorer 5.5 or higher is required on the desktop PC using Virtual Panel

Note:

The Energy conversion equipment (ECE) shall be designed to function in an atmosphere having a relative humidity that can vary from 5 percent to 95 percent, non-condensing.
- NFPA 111, 5.2.7