



# Certificate of Compliance

## FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

Elite series Fire Alarm Control Panels.

*Approval Guide* Listing: Categories:

Electrical Signaling, Signaling Systems (Fire), Local Protective Signaling, Local Protective Signaling, and Electrical Signaling, Signaling Systems (Fire), Central Station Signaling Systems

See Listings on next page.

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This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

*Approval Standards*  
*Class Number*  
1011, 1012

*Date*  
1973

*Other Standards*  
*Organization, Designation*  
National Fire Alarm Code,  
NFPA 72

*Date*  
2002

Original Approval Job Identification:0003033817

Approval Granted: March 5, 2009

Related Report:

Subsequent Revisions: None

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

  
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5 June 2014

Date



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## Local Protective Signaling

Elite (2 loop and 4 loop) Fire Alarm Control Panels. Control uses firmware revision 4.0xxxxH (Hochiki SLC protocol) or 2.xxxxx (Apollo SLC protocol). Basic system consists of a 4 Amp power supply module S776 (P/N VF8115-00 or VF8116-00), Control Unit Board with Releasing (P/N VF1610-00), Panel Annunciator Board with Releasing (P/N VF1611-00) and batteries (12AH to 18AH for inside the panel mount and up to 60AH for remote cabinet mount). The panel provides connections for either two or four signaling line circuit (SLC) loop monitoring (four SLC loop capability in the expanded version of the Elite panel requires installation of model VF1053-00 loop expansion module). Each SLC loop can be wired either in Class A, Style 6 or Style 7 configuration, or in Class B, Style 4 configuration. Each signaling line circuit can carry up to 126 (Apollo) or 127 (Hochiki) detectors. The panel provides connections for four Class B, Style Y notification appliance circuits.

Model Numbers of the Elite panel are as follows:

Part #	Description	Protocol
VF142n-c0	Elite 2 Loop	Hochiki
VF144n-c0	Elite 4 Loop	Hochiki
VF146n-c0	Elite 2 Loop	Apollo
VF148n-c0	Elite 4 Loop	Apollo

Where n=network type, 0=No Network, 2=Network card (VF1170-00 included), Where c=Color, 1=Red, 2=Charcoal, 3=White, 4=Gray

Can use the following optional equipment:

1. VF1150-00 Media Gateway with Releasing(1) -- Enables central station signaling and "VESNet" network capabilities.
2. VF1151-00 Network Interface Card with Releasing(1) -- Enables "VESNet" network capabilities.
3. VF1152-00 ModemDACT with Releasing(1) -- Enables central station signaling.
4. VF1153-00 EtherDACT with Releasing(1) -- Enables central station signaling.
5. S556 SyncroComms -- Enables central station signaling.
6. VF1170-00 eNet -- Network interface -- Enables "eNet" network capabilities.
7. VF1171-00 16-channel I/O board -- Provides expanded I/O.
8. VF1172-00 eView -- Remote annunciator.
9. VF13xx-yyy eMatrix -- Remote graphic annunciator -- Different models are different cabinet sizes & colors and have different numbers of channels.
10. VF8300-xx VESNet LCD Display with Releasing(1) -- Remote annunciator.

Note 1: The above foot-noted options are not compatible with VF1170-00 eNet or S556 SyncroComms. These two sets of options may only be used exclusive of each other.

The VF8300-xx display connects to the VESNet network as a slave to the master panel containing the MediaGateway with Releasing card. The display requires 24VDC power, typically supplied from an Elite Panel. The display provides one Class B, Style B initiating device circuit. To enable central station signaling model VF1150-00, VF1152-00, VF1153-00 or S556 must be used. To enable central station signaling and "VESNet" network capabilities model VF1150-00 Media Gateway with Releasing master card and/or model VF1151-00 Network Interface Card ("NIC") with Releasing slave card are to be used. Panels containing NICs (Network Interface Cards) are slaves to the master panel containing the Media Gateway card. Panels with VESNet network capabilities (NIC or Media Gateway) can send signals to other VESNet devices and the central station. The VESNet can contain a maximum configuration of 127 Elite panels or VESNet LCD Displays with Releasing. To enable eNet network capabilities model VF1170-00 eNet Network Interface card must be used. To enable central station signaling over eNet, model S556 must be used. Panels with eNet network capabilities can send signals to other eNet devices and (if model S556 is on the network) the central station. The eNet can contain a maximum configuration of 64 Elite panels. Compatible addressable devices and bases which utilize the Hochiki SLC protocol are: [VES model VF2001, VF2002, VF2003, VF6001, VF6002, VF6004, VF6005, VF6006, VF6013, VF7001 and VF7002 (Refer to PLA Project ID 3022552) and Hochiki model AIE-EA ionization smoke detector, model ALG-V photoelectric smoke detector, model ATG-EA heat detector, models DH-98-A, and DH-98-AR and ALK-D duct smoke detectors, models HSB-NSA-6 and YBN-NSA-4 6 in and 4 in bases. Compatible addressable modules are: models FRCME-4-10K, FRCME-S-10K and



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FRCME-P monitor modules; DIMM dual input monitor module with two independent Class B (Style B) initiating device circuits (IDCs); model R2M relay module; model SRM solenoid releasing module; CZM conventional zone module with Class A (Style D) or Class B (Style B) initiating device circuits (IDCs); DCP-AMS, DCP-AMS-LP, DCP-AMS-KL, DCP-AMS-KL-LP addressable manual pull stations and model SOM signal output module. CZM conventional zone module compatible with: SLK-24F, SLR-24H, SLR-24V, SLR-835 SLR-835W, SLR-835H, SLR-835HW, SLR-835B-2, SLR-835BH-2 photoelectric type smoke detectors; SIH-24F, SIJ-24 ionization type smoke detectors; DCD-135, DCD-190 combination rate-of-rise fixed temperature detectors. Compatible addressable devices and bases which utilize the Apollo SLC protocol are XP95A photoelectric, ionization and heat detectors/bases (see the table in the online listing). Standby batteries provide 24 hour standby operation. (See also CENTRAL STATION SIGNALING SYSTEMS.)

## Central Station Signaling Systems

Digital Alarm Communicator System consisting of Elite Fire Alarm Control Panel with digital alarm communication transmitter - either a Media Gateway with Releasing master card (P/N VF1150-00), having firmware 04.xx.xx, a Modem-DACT with Releasing (P/N VF1152-00), having firmware 04.xx.xx, an EtherDACT with Releasing (P/N VF1153-00), having firmware 04.xx.xx or a SyncroComms (PN S556), having firmware 02.xx communicating with digital alarm communication receiver (DACR) either model Sur-Gard, System III or MLR-2000 (Firmware Version 1.2) or model 9500 Silent Knight (Firmware Version 1.2) via the public switched network. (See control panel description under LOCAL PROTECTIVE SIGNALING.)



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