# FireNET® 4127 - DIGITAL ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL WITH PLEXIGLASS WINDOW



## DESCRIPTION

This alternate build of the FireNET® 4127 control panel is equipped with a Plexiglass window to meet the requirements of major cities including the City of Denver. Access level 2 is enabled as soon as the outer door of the enclosure is opened (CAT 30 Key).

The FireNET® 4127 control panel is an digital analog addressable fire alarm panel containing 2 or 4 SLC loops with each loop supporting 127 devices of any combination (sensors or modules), and 127 digital analog sounder bases, for a possible total of 254 points. Communication between devices is transferred through standard cable (shielded or twisted pair is not required). Each panel includes a 5.25 amp power supply and has 4 on board NAC circuits. An RS-485 bus provides communication to the panel network, while the RS-232 interface allows the convenience of programming via a PC. The system will support a variety of Hochiki devices: photo, ion and heat sensors, which contain a unique, patented sensor design incorporating automatic drift compensation and day/night sensitivity mode. Additional devices include contact monitors, relay controllers, supervised auxiliary output and short circuit isolator modules. In addition, interfaces to conventional detection systems can be established by using a conventional zone-monitoring module. The Loop Explorer Windows® Software interface provides the installer with fingertip access to installation programming and diagnostic tools. An Auto-learn feature offers the convenience for quick start applications. Add to this a reputation for high quality and dedicated service makes this an exceptional product both in performance and value.

## STANDARD FEATURES

- UL 864 9th Edition Listed
- Seismic certified
- Digital analog design using Hochiki's advanced DCP protocol for fast and robust communication
- Up to 127 sensors & modules, plus 127 digital analog sounder bases, for a total of 254 points possible per loop
- Uses standard wire, no shielded or twisted pair required on SLC loops
- Supports Class B (style 4) and Class A (style 6 or 7) SLC loops
- 4 on board Class B (style Y) NAC circuits rated at 2.5 Amps each
- Programmable sensitivity levels per device & automatic day/night sensitivity modes
- Automatic daily calibration & drift compensation routine
- Large 8-line x 40-character LCD (320 char.)
- 2 loop (FN-2127 Series) or 4 loop (FN-4127 Series) versions (800 addresses/sub-addr. max.)
- Dual RS-485 bus for panel network
- 2 built-in RS-232 interfaces for programming via a PC and serial printer interface
- 5 on board programmable Form C relays rated at 1 amp at 30VDC (Fire1, Fire2, trouble, supervisory, aux.)
- 500mA of auxiliary power available rated at 24 VDC
- Loop Explorer Windows® configuration utility
- 500 network wide software zones
- Network capability of up to 64 panels
- RS485 slave bus for expansion - up to 32 FN-4127-IO boards or up to 15 FN-LCD-S serial annunciators and up to 17 FN-4127-IO boards
- Auto-learn feature
- Fire Drill test function
- Walk test function
- Alarm verification feature
- FireNET® is UL listed for Central Station Service, Remote Station Service and Proprietary Service
- Operates on 120VAC or 240VAC input voltage
- Powerful & versatile Cause & Effect programming (up to 500 maximum, network wide) including:
  - *Cause & Effect action
  - *Disable function configuration
  - *Test mode configuration

## PRODUCT LISTINGS

*Specifications subject to change without notice.*

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## SPECIFICATIONS

| | |
|---|---|
| **Primary AC** | 120VAC @ 2.1 Amps 60hz or 220VAC @ 1.1Amps 50hz |
| **Output DC** | 24VDC @ 5.25 Amps (4 Amps available for system power) |
| **Power Supply** | 5.25 Amps integrated |
| **Charger Current** | 1.5 Amps max. |
| **Dimensions** | 14.5" W x 24" H x 5" D |
| **Weight** | 31 lbs. (without batteries) |
| **Color** | Red (optional gray) |
| **Material** | ABS/steel enclosure |
| **Display** | 8 line x 40 character LCD (320 characters total) |
| **Network** | Dual RS485 ports (64 panels max.) |
| **Zones** | 500 network wide software zones per system |
| **SLC loops** | 2 or 4 (class A, "style 6 or 7" or class B, "style 4") |
| **Devices per loop** | 127 sensors & modules, plus 127 digital analog sounder bases, 254 total |
| **Addresses per panel** | (800 addresses+sub-addresses max. per panel) |
| **NAC Outputs** | (4) 2.5 Amps @ 24VDC (class B) |
| **Relay Outputs** | (5) Form C 1 Amp @ 30VDC |
| **Voltage Outputs** | (3) 500mA @ 24VDC |
| **Aux. Power** | 500mA @ 24VDC |
| **Aux. Inputs** | (8) digital pull downs |
| **PC Port / Printer** | RS232 |

## FIRENET® ORDERING MODELS

| MODEL | DESCRIPTION |
|---|---|
| **FN-2127-DDW** | FACP (2 Loop/5.25 Amps) |
| **FN-2127-DDWN** | FACP (2 Loop/5.25 Amps) (w/Network) |
| **FN-4127-DDW** | FACP (4 Loop/5.25 Amps) |
| **FN-4127-DDWN** | FACP (4 Loop/5.25 Amps) (w/Network) |

## SLC COMPATIBLE DEVICES & SYSTEM ACCESSORIES

| | |
|---|---|
| **CONTROL PANEL EXPANDERS** | |
| **FN-4127-SLC** | Dual SLC Loop Expansion Card |
| **FN-4127-NIC** | Network Interface Card |
| **FN-4127-IO 16** | 16 Channel Input/Output Board |
| **FN-DAC** | Digital Alarm Communicator |
| **FN-CTM** | City-Tie Module (Local Energy Type) |
| **ANNUNCIATOR** | |
| **FN-LCD-N** | Network LCD Annunciator |
| **FN-LCD-S** | Serial LCD Annunciator |
| **SLC LOOP DEVICES** | |
| **ALG-V, ALK-V, ALN-V** | Digital Analog Addressable Photoelectric Sensor |
| **AIE-EA** | Digital Analog Addressable Ionization Sensor |
| **ATG-EA, ATJ-EA** | Digital Analog Addressable Heat Sensor |
| **ACA-V, ACC-V** | Multi-criteria Sensor |
| **NSA-4 & NSA-6** | Four Inch Sensor Base and Six Inch Sensor Base |
| **SCI-B4 & SCI-B6** | Four Inch Short Circuit Isolator Digital Analog Sensor Base & Six Inch Circuit Isolator Digital Analog Sensor Base |
| **ASB** | Digital Analog Sounder Base |
| **ASBL** | Digital Analog Low Frequency Sounder Base |
| **DH-98A, DH-98AR, DH-99A, DH-99AR** | Digital Analog Addressable Duct Detector Unit (DH-98AR and DH-99AR have relays built-in) |
| **MS-RA, MS-RA/R, MS-KA/R** | Remote Test Station for DH-98AR & DH-99AR |
| **DCP-FRCME-M** | Contact Monitoring Module (mini w/terminal blocks) |
| **DCP-FRCME-P** | Contact Monitoring Module (mini w/pigtail leads) |
| **DCP-FRCME-4** | Contact Monitoring Module (with faceplate/indicating LED) |
| **DCP-FRCMA, DCP-FRCMA-I** | Class A Contact Monitoring Module (FRCMA-I has built-in SCI) |
| **DCP-DIMM** | Dual Input Monitor Module (with faceplate/indicating LED) |
| **DCP-CZM** | Conventional Zone Module |
| **DCP-R2M** | Dual Relay Module |
| **DCP-R2ML/H Series** | Dual Relay Module (R2ML-I & R2MH-I has built-in SCI) |
| **DCP-SOM** | Supervised Output Module |
| **DCP-SOM-A, DCP-SOM-AI** | Class A Supervised Output Module (SOM-AI has built-in SCI) |
| **DCP-SOM-R** | Supervised Output Module for Releasing Pre-action System |
| **DCP-SCI** | Short Circuit Isolator Module |
| **DCP-AMS Series** | Addressable Manual Pull Station |
| **ACCESSORIES** | |
| **TCH-B100** | Hand Held Programmer (portable device addresser) |
| **FN-ACC** | Battery/Accessory Enclosure (houses up to 33AH size batteries) |
| **FNP-ETR** | Enclosure Trim Ring for panel flush mount |