# FireNET™ 4127 - ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL



**RED**          **CHARCOAL**

## STANDARD FEATURES

- UL 864 9th edition Listed
- Analog design using Hochiki's advanced DCP protocol for fast and robust communication
- Up to 127 sensors & modules, plus 127 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 display (320 char.)
- 2 or 4 loop 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
- Built in help and alarm information screens
- 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

## DESCRIPTION

The FireNET™ 4127 control panel is an 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 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.

## PRODUCT LISTINGS



UL 864, Local Signaling Unit.
Types: *Automatic, manual, waterflow, sprinkler supervisory, Remote Station and Central Station Service (DACT) Non-coded signaling.*
NFPA 70, 72 & 13 Compliant

S8255

California State Fire Marshal
7165-0410:159

FM APPROVED
3033817

*Specifications subject to change without notice.*

## SPECIFICATIONS

| | |
|---|---|
| Primary AC | 120VAC @ 2.1 Amps 60hz or 220VAC @ 1.1Amps 50hz |
| Output DC | 24VDC @ 5.25 Amps (4 Amps availble 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 charcoal) |
| 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 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 | RS232 |
| Printer Port | RS232 |

## FireNET ORDERING MODELS

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

## SLC COMPATIBLE DEVICES & SYSTEM ACCESSORIES

| MODEL | DESCRIPTION |
|---|---|
| *CONTROL PANEL EXPANDERS* | |
| FN-4127-SLC | Dual SLC Loop Expansion Card |
| FN-4127-NIC | Network Interface Card |
| FN-4127-IO | 16 Channel Input/Output Board |
| FN-DAC | Digital Alarm Communicator |
| FN-CTM | City-Tie Module (Local Energy Type) |
| *ANNUNCIATORS* | |
| FN-LCD-N | Network LCD Annunciator |
| FN-LCD-S | Serial LCD Annunciator |
| *SLC LOOP DEVICES* | |
| ALG-V | Analog Addressable Photoelectric Sensor |
| ALK-V & ALK-V2 | Analog Addressable Photoelectric Sensor |
| ACA-V | Analog Addressable Multi-Criteria Photo/Heat Sensor |
| AIE-EA | Analog Addressable Ionization Sensor |
| ATG-EA | Analog Addressable Heat Sensor |
| NSA-6 | Six inch Sensor Base |
| NSA-4 | Four inch Sensor Base |
| ASB | Analog Sounder Base |
| DH-98A | Analog Addressable Duct Detector Unit |
| DH-98AR | Analog Addressable Duct Detector Unit (with relays) |
| MS-RA, MS-RA/R, MS-KA/R | Remote Test Station for DH98A & DH98AR |
| FRCME-M | Contact Monitoring Module (mini w/terminal blocks) |
| FRCME-P | Contact Monitoring Module (mini w/pigtail leads) |
| FRCME-4 | Contact Monitoring Module (with faceplate/indicating LED) |
| FRCMA, FRCMA-I | Class A Input Module 4" Box Mount (FRCMA-I has built-in SCI) |
| DIMM | Dual Input Monitor Module (with faceplate/indicating LED) |
| CZM | Conventional Zone Module |
| R2M | Dual Relay Module |
| SOM | Supervised Output Module |
| SOM-A, SOM-AI | Class A Supervised Output Module With SCI or Without SCI |
| SOM-R | Supervised Output Module for Releasing Pre-action System |
| SCI | Short Circuit Isolator Module |
| 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) |
| FN-ETR | Enclosure Trim Ring for Panel Flush Mount |