

FN-2127-NY-R / FN-4127-NY-R ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL



DESCRIPTION

This alternate build of the FireNET™ 4127 control panel is equipped with a plexiglass window to meet the requirements of major cities. Access level 2 is enabled as soon as the outer door of the enclosure is opened (FDNY 2642 Key).

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. Fast system startup is ensured by means of the built-in auto-learn feature. And with Hochiki's reputation for high quality and outstanding service and support, you can be sure that the FireNET system is an exceptional product both in performance and value.

Specifications subject to change without notice.

STANDARD FEATURES

- UL 864 9th edition Listed
- New York City Approved
- 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
- 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

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PRODUCT LISTINGS

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



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SPECIFICATIONS	
Primary AC	120VAC @ 2.1 Amps 60hz or 220VAC @ 1.1Amps 60hz
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
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

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-NYN	Network LCD Annunciator
FN-LCD-NYS	Serial LCD Annunciator
SLC LOOP DEVICES	
ALG-V	Analog Addressable Photoelectric Sensor
ALK-V	Analog Addressable Photoelectric Sensor
ATG-EA	Analog Addressable Heat Sensor
ATJ-EA	Analog Addressable Heat Sensor
NSA-6, SCI-B6	Six inch Sensor Base
NSA-4, SCI-B4	Four inch Sensor Base
ASB	Analog Sounder Base
DH-98A / DH-99A	Analog Addressable Duct Detector Unit
DH-98AR / DH-99AR	Analog Addressable Duct Detector Unit (with relays)
MS-RA, MS-RA/R, MS-KA/R	Remote Test Station for DH98A & DH98AR
FRCME-S / FRCME-M	Contact Monitoring Module (mini w/terminal blocks)
FRCME-P	Contact Monitoring Module (mini w/pigtail leads)
FRCME-4 / FRCMA's	Contact Monitoring Module (with faceplate/indicating LED)
DIMM	Dual Input Monitor Module (with faceplate/indicating LED)
CZM	Conventional Zone Module
R2M / R2ML's / R2MH's	Dual Relay Module
SOM	Supervised Output Module
SOM-A, SOM-AI	Class A Supervised Output Module With SCI or Without SCI
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