HOCHIKI®

FireNET®

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

STANDARD FEATURES

- UL 864 9th Edition Listed
- Seismic certified
- 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 (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

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 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

Specifications subject to change without notice.

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

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 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	Analog Addressable Photoelectric Sensor
AIE-EA	Analog Addressable Ionization Sensor
ATG-EA, ATJ-EA	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 Analog Sensor Base & Six Inch Circuit Isolator Analog Sensor Base
ASB	Analog Sounder Base
ASBL	Analog Low Frequency Sounder Base
DH-98A, DH-98AR, DH-99A, DH-99AR	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