HOCHIKI

FireNET®

FireNET® Series - DIGITAL ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL

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

DESCRIPTION

The FireNET® 4127 control panel is an digital analog address-able 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 such as 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 Hochiki's reputation for high quality and dedicated service, and you have an exceptional product with performance and value.

PRODUCT LISTINGS

SIGNALING
UL LISTED
S6468

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

FM APPROVED
3033817

California State Fire Marshal
7165-0410:159

Specifications subject to change without notice.

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ISO 9001:2008 REGISTERED

Find latest revision at **www.hochiki.com**

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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
Operating Temp.	32°F (0°C) 120°F (49°C)
Relative Humidity	85% RH Non-Condensing

FIRENET® ORDERING MODELS

MODEL	DESCRIPTION
FN2127US0ERS120	2015 Ed. FireNET® FACP, 2 Loop, Red, 120V
FN4127US0ERS120	2015 Ed. FireNET® FACP, 4 Loop, Red, 120V
FN2127US1ERS120	2015 Ed. FireNET® FACP, 2 Loop, W/Network Card, Red, 120V
FN4127US1ERS120	2015 Ed. FireNET® FACP, 4 Loop, W/Network Card, Red, 120V
FN-2127US0ERS-220	2015 Ed. FireNET® FACP, 2 Loop, Red, 220V
FN-4127US0ERS-220	2015 Ed. FireNET® FACP, 4 Loop, Red, 220V
FN-2127US1ERS-220	2015 Ed. FireNET® FACP, 2 Loop, W/Network Card, Red, 220V
FN-4127US1ERS-220	2015 Ed. FireNET® FACP, 4 Loop, W/Network Card, Red, 220V

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