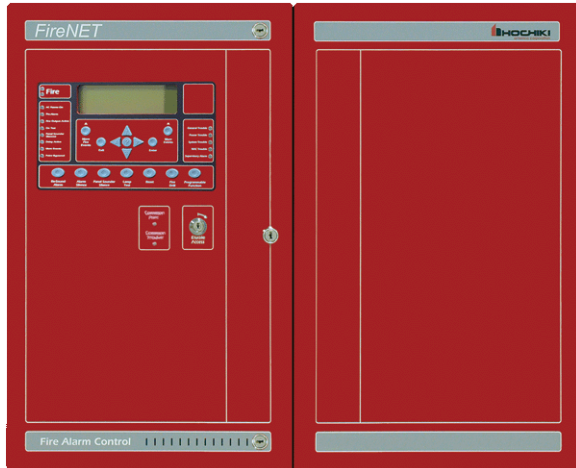# FireNET™8127 - ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL

DESCRIPTION

The FireNET™ 8127 control panel is an analog addressable fire alarm panel containing 8 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 two 5.25 amp power supplies and has 8 on board NAC circuits. An RS-485 bus provides communication to the panel network, while the two 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.

Specifications subject to change without notice.

STANDARD FEATURES

- 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
- 8 on board Class B (style Y) NAC circuits rated at 2.5 Amp 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.)
- 8 loop version (1600 addresses/sub-addr. max.)
- Dual RS-485 bus for panel network
- 2 built-in RS-232 interfaces for programming via a PC and two serial printer interfaces
- 10 on board programmable Form C relays rated at 1 amp at 30VDC (Fire1, Fire2, trouble, supervisory, aux.) x 2
- 1000mA 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
- Two RS485 slave bus for expansion - up to 64 FN-4127-IO boards or up to 35 FN-LCD-S serial annunciators and/or up to 32 FN-4127-IO boards per bus
- Auto-learn feature
- Built in help and alarm information screens
- Fire Drill test function
- Walk Test function
- Alarm Verification feature
- 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

- NOTE: The 2 and 4 loop panels as well as the Network Annunciator, qualify as one node each. The 8 loop panel qualifies as two nodes.

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ISO 9001:2000 REGISTERED

10/2008

SPECIFICATIONS

Primary AC	120VAC @ 2.1 Amps 60hz or 220VAC @ 1.1Amps 60hz
Output DC	24VDC @ 5.25 Amps (4 Amps availble for system power)
Power Supply	(2) 5.25 Amp integrated
Charger Current	1.5 Amps max, per power supply
Dimensions	
Weight	
Material	ABS/steel, enclosure Red (optional charcoal)
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	4 or 8 (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	(1600 addresses+sub-addresses max. per panel)
NAC Outputs	(8) 2.5 Amp @ 24VDC (class B)
Relay Outputs	(10) Form C 1 Amp @ 30VDC
Voltage Outputs	(6) 500mA @ 24VDC
Aux. Power	1000mA @ 24VDC
Aux. Inputs	(16) digital pull downs
PC Port	RS232
Printer Port	RS232

FireNET ORDERING MODELS

MODEL	DESCRIPTION
FN-8127	FACP (8 loop/ (2) 5.25 Amp) (w/NW)

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-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
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	Anaolg 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-S	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)
DIMM	Dual Input Monitor Module (with faceplate/indicating LED)
CZM	Conventional Zone Module
R2M	Dual Relay Module
SOM	Supervised Output Module
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