

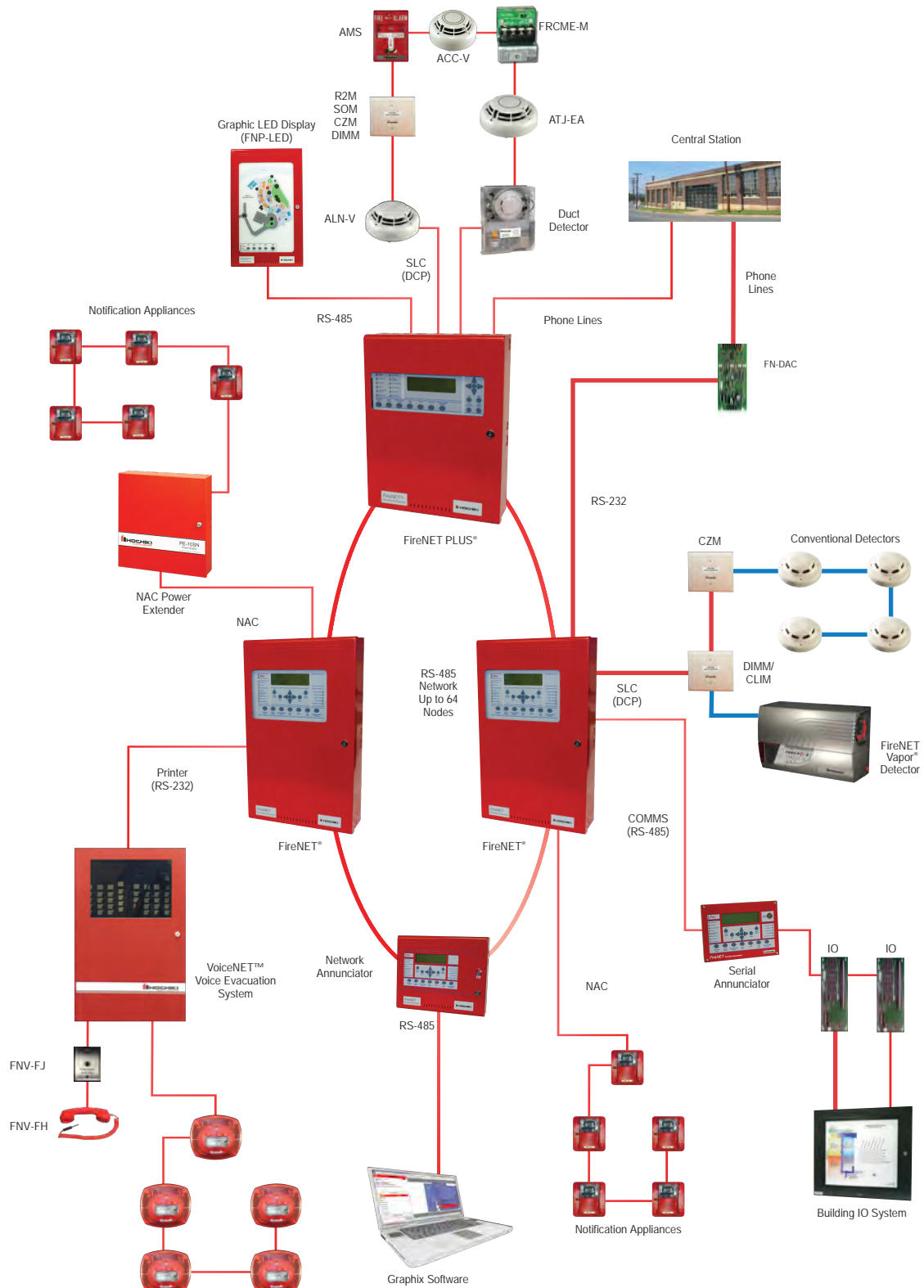


**GIA DOANH**  
*Giải pháp an ninh - an toàn*

**PRODUCT CATALOG**

**THE WORLD'S FINEST FIRE DETECTION SYSTEMS SINCE 1918**

## HOCHIKI FIRE ALARM SYSTEM



At the backbone of the FireNET® analog addressable system is the FireNET® control panel itself. Utilizing Hochiki's patented Digital Communication Protocol (DCP), it allows for robust intelligent communication with other analog addressable products. An RS-485 bus provides communication to the panel network, while the RS-232 interface allows the convenience of programming via a PC. The panel supports any combination of addressable devices, up to 127 per signaling line circuit, including thermal and photoelectric smoke detectors/sensors, and monitoring and control modules. The Loop Explorer Windows® based software interface provides the installer with fingertip access to installation programming and diagnostic tools.



## FireNET®

### ANALOG ADDRESSABLE CONTROL PANEL

- UL 864 9th Edition Listed, FM Approved, CSFM Approved & FDNY Approved
- Seismic certified
- 2 or 4 loop versions
- Analog design using Hochiki's advanced DCP protocol for fast & robust communication
- Network capability up to 64 panels with 500 network-wide software zones
- Up to 127 sensors & modules, plus 127 analog sounder bases, for a total of 254 points possible per loop
- Large 8-line x 40-character LCD display (320 characters)
- Dual RS-485 bus for panel network
- 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
- Built-in RS-232 interface for programming via a PC and serial printer interface
- 5 on-board programmable Form C relays rated at 1 Amp at 30VDC
- Supports Class B, Class A and Class X SLC loops
- 4 on-board Class B NAC circuits rated at 2.5 Amps each
- Fire Drill function and Walk Test function
- Powerful & versatile Cause & Effect programming
- Alternate build of the panel door is equipped with a Plexiglas 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)
- Available color(s): red or gray



## FireNET Plus®

### ANALOG ADDRESSABLE CONTROL PANEL

- UL 864 9th Edition Listed, FM Approved, CSFM Approved
- 1 SLC (2<sup>nd</sup> SLC optional)
- Analog design using Hochiki's advanced DCP protocol for fast & robust communication
- Network capability up to 64 panels with 500 network-wide software zones
- RS-485 bus for panel networking (optional)
- Integrated digital alarm communicator (DACT) with Contact ID and SIA reporting formats (optional)
- Up to 127 sensors & modules, plus 127 analog sounder bases, for a total of 254 points possible per loop
- Large 8-line x 40-character LCD display (320 characters)
- Built-in RS-232 interface for programming via a PC
- Supports Class B, Class A and Class X SLC loops
- 3 on board programmable Form C relays rated at 1 Amp at 30VDC
- 2 auxiliary power outputs, each rated 360mA at 24 VDC
- 2 on-board Class B NAC circuits rated at 2.3 Amps each (special application) and 1.6 Amps each (regulated continuous)
- Fire Drill function and Walk Test function
- Powerful & versatile Cause & Effect programming
- Available color(s): red or gray





## FN-LCD-S

### SERIAL ANNUNCIATOR

- UL Listed, FM Approved, CSFM Approved & FDNY Approved
- 320 character liquid crystal display (8 line x 40 character)
- Same controls as the FireNET® fire panel (Reset, Panel Sounder Silence, Lamp Test, Alarm Silence, Re-sound Alarm, Fire Drill, Programmable Function, More Events, More Fire Events, Enter and Exit)
- Up to 15 FN-LCD-S serial annunciators may be connected to a FireNET® control panel or network annunciator
- Resides on the FireNET® slave RS-485 line
- Local piezo sounder for event notification
- Supports user codes and firefighter key to enable access and controls
- Powered by FireNET® auxiliary 24VDC or UL fire listed auxiliary 24VDC supply
- Built-in help and alarm information screens
- Surface or flush mount (using trim ring)
- Fire Drill function
- Available color(s): red or gray



## FN-LCD-N

### NETWORK ANNUNCIATOR

- UL Listed, FM Approved, CSFM Approved & FDNY Approved
- 320 character liquid crystal display (8 line x 40 character)
- Dual RS-485 ports for primary fire network
- RS-485 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
- Built-in RS-232 interface for programming via a PC and serial printer interface
- 4 on board programmable Form C relays rated at 1.0 Amp at 30VDC (Fire, Supervisory, Trouble and Auxiliary)
- Same controls as the FireNET® fire panel (Reset, Panel Sounder Silence, Lamp Test, Alarm Silence, Re-sound Alarm, Fire Drill, Programmable Function, More Events, More Fire Events, Enter and Exit)
- Local piezo sounder for event notification
- Supports user codes and firefighter key to enable access and controls
- Powered by FireNET® auxiliary 24VDC or UL fire listed auxiliary 24VDC supply
- Surface or flush mount (using trim ring)
- True network annunciator: any or all panels can be routed to the FN-LCD-N
- Each event category can be individually routed to the FN-LCD-N
- Up to 64 FireNET® panels and FN-LCD-Ns can be networked together in any combination
- 500mA of auxiliary power available rated at 24VDC
- Fire Drill function
- The FN-LCD-N can be configured to Remote Reset, Silence, Re-sound, any or all panels on the network in any combination
- Available color(s): red or gray

# LOG



## FNP-LED

### GRAPHIX LED DISPLAY

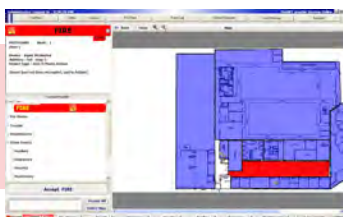
- UL Listed, FM Approved, CSFM Approved
- Up to 504 LEDs can be controlled with FireNET Plus® panel
- Available in 3 different size enclosures
- LEDs comes in 3 different colors: red, green or yellow
- FNP-LED can be easily upgraded onsite with minimal cost and effort
- Available color(s): red or gray



## FN-ACC-R/C

### BATTERY ENCLOSURE

- FN-ACC-R/C is designed to provide a method to properly store backup batteries larger than 17Ah for the FireNET® and FireNET Plus® panels
- The enclosure can also be used to mount 16 channel IO boards
- Includes: key lock and FireNET® accessory enclosure with kit
- Optional seismic kit is available (FN-ACCS-K)
- Available color(s): red or gray



## FireNET® Graphix Software Package

- Choice of text, graphic, event list display when event occurs
- Versatile event analysis and total history archive
- Easy to program and simple to use
- Secure system
- Unlimited map linking
- Display and control for multiple panels



## EMS Graphix Software

- UL 864 Listed, CSFM Approved
- Compatible with FireNET® 2127/4127, FireNET Plus®, and FireNET® Network Annunciator
- Real-time display of text, graphic, and event list (Fire, Supervisory, Trouble)
- Color coded event list
- Unlimited amount of history storage
- Ability to send panel control commands (Panel Sounder Silence, Alarm Silence, Reset)
- Easy to program and simple graphical user interface (GUI)
- Secure system
- Ability to import Autocad drawings
- Event history can be viewed, filtered and exported to text or HTML document

## FireNET® & FireNET Plus® ACCESSORIES



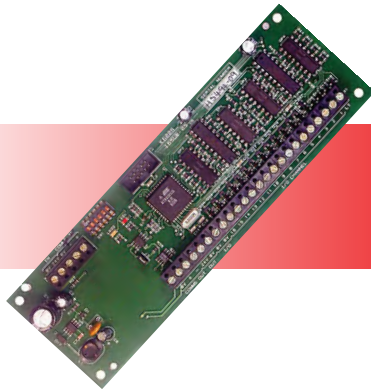
### **FNP-1127-SLC (FireNET Plus®)** **SINGLE SLC LOOP EXPANDER**

- Adds one SLC loop to the FireNET Plus® (FNP-1127E series) control panel
- The SLC loop is capable of 127 sensors/modules, plus 127 analog sounder bases, for a potential total of 254 addresses
- The FireNET Plus® 1127E control panel supports one FNP-1127-SLC, for a total of two SLC loops per panel
- Supports Class A, B and X wiring methods per NFPA 72 (Class X requires isolators)
- Fully supervised & power limited SLC loop
- Uses standard wire; shielded/twisted pair is not required on SLC loops



### **FN-4127-SLC (FireNET®)** **DUAL SLC LOOP EXPANDER**

- Adds two SLC loops to a two loop FireNET® control panel
- Each SLC loop is capable of 127 sensors/modules, plus 127 analog sounder bases, for a potential total of 254 addresses per loop (127+127 per loop)
- FN-4127-SLC can be added at the factory or installed in the field
- Supports Class A, B and X wiring methods per NFPA 72 (Class X requires isolators)
- Fully supervised & power limited SLC loops
- One SLC expander (maximum) may be added per FireNET® control panel
- Each SLC loop is completely independent and autonomous
- Uses standard wire; shielded/twisted pair is not required on SLC loops



### **FN-4127-IO** **16 CHANNEL INPUT/OUTPUT BOARD** **(RS-485 BUS DEVICE)**

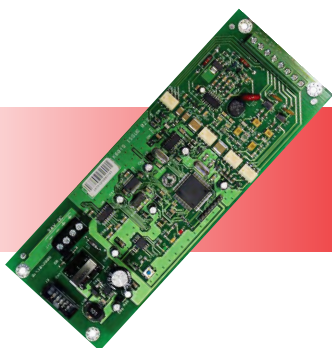
- 16 channels of input/output points
- 32 IO boards per FireNET® panel (512 channels of input/output points)
- Each channel configurable as input/output point
- Inputs are opto-isolated non-supervised pulldown type triggered by "dry" contact from input source
- Outputs are open collector transistor pulldown type (100mA max each) that provide "wet" voltage output
- Simple 4 wire connection to control panel (2 for power, 2 for data)
- All inputs/outputs can be assigned to global functions, any event category, and used in network-wide Cause and Effect logic
- Can be mounted locally within control panel enclosure or remotely via FN-ACC accessory enclosure up to 4,000 feet from the panel



## **FN-4127-NIC**

### **NETWORK INTERFACE CARD**

- Allows for the expansion of up to 64 panels on a FireNET® system
- Enables information to be transmitted between control panels
- Network protocol designed for tolerance to interference and data corruption
- Each card configured to a unique address through use of a dipswitch
- Transmission distance of up to 4,000 feet
- Uses standard type Belden cable suitable for RS-485 applications
- Network-wide Cause & Effect logic



## **FN-DAC (FireNET®)**

### **DIGITAL ALARM COMMUNICATOR**

- UL 864 9th Edition Listed
- Contact ID and SIA reporting formats
- Programmable from FireNET® control panel or by using Loop Explorer
- Zone or address (point) reporting
- Remote upload/download and diagnostic tools
- Backup and duplicate reporting
- Programmable daily test report interval

## ANALOG SENSORS



### ACC-V

#### ANALOG MULTI-CRITERIA SENSOR

- UL Listed, CSFM Approved
- Low profile – only 2.00" high, including base
- Combination smoke/heat sensor
- Simple and reliable device addressing
- Automatic compensation for sensor contamination
- Built-in fire test feature
- Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
- Two built-in power/alarm LEDs
- Programmable non-polling LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Removable smoke labyrinth for cleaning or replacement
- Available color(s): bone



### ALN-V

#### PHOTOELECTRIC SMOKE SENSOR

- UL Listed, CSFM Approved
- Low profile - only 2.00" high, including base
- Simple and reliable device addressing
- Automatic compensation for sensor contamination
- Built-in fire test feature
- Uses the noise-immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
- Two built-in power/alarm LEDs
- Programmable non-polling LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Available color(s): bone



### ATJ-EA

#### FIXED TEMP/RATE OF RISE HEAT SENSOR

- UL Listed, CSFM Approved
- Low profile - only 2.00" high, including base
- Simple and reliable device addressing method
- Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
- Rate of rise temperature threshold = 15°F/min (determined by panel)
- Adjustable threshold temperature = 135°F - 190°F (determined by panel)
- UL maximum spacing of 70 feet
- Available color(s): bone



# LOG

## ANALOG BASES



### ASB

#### ANALOG SOUNDER BASE

- UL Listed, FM Approved, CSFM Approved
- Programmable evacuation codes – Continuous, March, ANSI Temporal patterns
- Base learns the sensor address and assumes an upper range address (128-254)
- Up to 127 sensors and 127 ASBs can be used on one SLC loop
- Programmable activation by general alarm, by zone and/or by individual address
- High sound pressure level (85dB SPL at 10 feet)
- Available color(s): bone



### ASBL

#### ANALOG LOW FREQUENCY SOUNDER BASE

- UL 268 Listed, UL 464 Listed, CSFM Approved
- Programmable evacuation codes – Continuous, March, ANSI Temporal patterns
- 520Hz low frequency alarm signal meets NFPA requirements for sleeping areas
- Base learns the sensor address and assumes an upper range address (128-254)
- Up to 127 sensors and 127 ASBLs can be used on one SLC loop
- Programmable activation by general alarm, by zone and/or by individual address
- High sound pressure level (85dB SPL at 10 feet)
- Available color(s): bone

### HSB-NSA-6



### YBN-NSA-4

### HSB-NSA-6 & YBN-NSA-4

#### ANALOG SENSOR BASES

- UL Listed, ULC Listed, FM Approved, CSFM Approved
- Designed for use with all NS analog sensors
- Available in 4" and 6" models
- Available color(s): bone

### SCI-B4



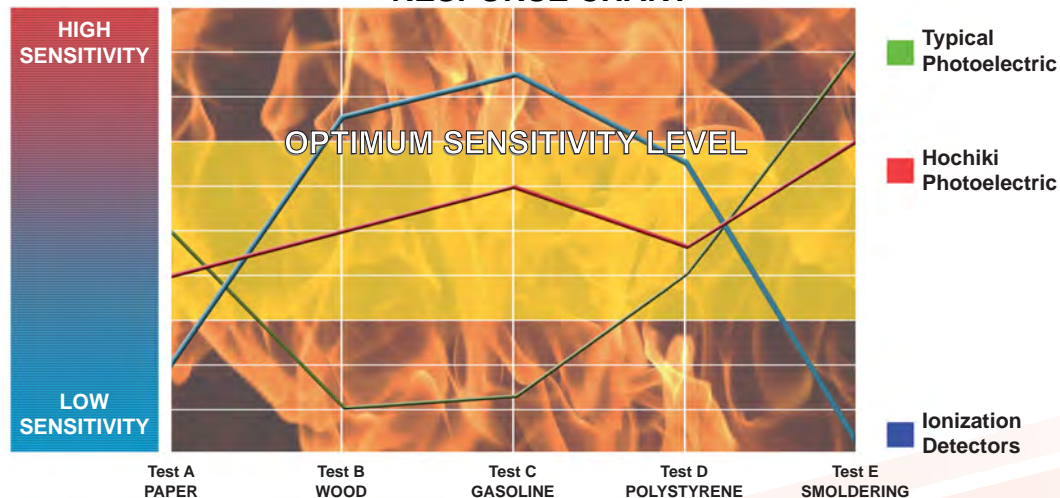
### SCI-B6

### SCI-B4 & SCI-B6

#### SHORT CIRCUIT ISOLATOR ANALOG SENSOR BASES

- UL Listed, CSFM Approved
- Ability to detect short circuit conditions
- Designed for use with all DCP analog sensors
- Available in 4" and 6" models
- Built-in LED indication upon short circuit condition
- Available color(s): bone

## HOCHIKI SMOKE DETECTOR RESPONSE CHART



## ANALOG ADDRESSABLE MODULES

The analog addressable module product line utilizes the patented Hochiki Digital Communication Protocol (DCP) for fast reliable communication to the control panel. The modules cover a variety of applications including contact monitoring, output, relay function, and short circuit isolation. These modules (except for the DCP-FN-CTM, City Tie Module) operate on Class A or Class B SLC loops, allow 127 devices per DCD loop and are available in bone color.



Front View



Back View

### DCP-CZM

#### CONVENTIONAL ZONE MODULE

- UL Listed, FM Approved, CSFM Approved
- Allows the panel to interface and monitor two-wire conventional detectors or pull stations
- Supervises the power supply and entire zone of devices
- Device address can be programmed with a hand-held programmer
- Status conditions are reported as "Normal", "Open" or "Alarm"

### DCP-DIMM

#### DUAL INPUT MONITOR MODULE

- UL Listed, FM Approved, CSFM Approved
- Fast, reliable contact monitoring utilizing the Hochiki DCP (Digital Communications Protocol)
- Bi-colored indicating LED provides module status
- Dual input contact monitor
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Accepts up to 14 AWG wire
- Mounts to a standard 4" square or double gang electrical back box

### DCP-FN-CTM

#### CITY TIE MODULE

- UL Listed, CSFM Approved
- Integrates fire alarm control panel EOL device into module for supervision of interface wiring
- Interfaces fire alarm control panels to a local energy type city tie monitoring circuit
- Wide operating voltage
- Power limited operation
- Transient protection
- Mounts to a standard 4" electrical back box
- Terminals accept up to 14 AWG wire

### DCP-FRCMA & DCP-FRCMA-I

#### FAST RESPONSE CONTACT MODULES

- UL Listed, FM Approved, CSFM Approved
- Yellow LED indicates a short circuit condition (FRCMA-I only)
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Single input contact monitor
- Accepts up to 14 AWG wire

### DCP-R2ML, DCP-R2ML-I, DCP-R2MH, DCP-R2MH-I DUAL RELAY MODULES

- UL Listed, FM Approved, CSFM Approved
- Contacts are rated as follows:
  - R2ML: 2A @ 30VDC / 0.5 @ 120 VAC
  - R2MH: 8A @ 30VDC / 4.8A @ 250 VAC
- Yellow LED indicates a short circuit condition (DCP-R2ML-I & DCP-R2MH-I only)

### DCP-SCI

#### SHORT CIRCUIT ISOLATOR

- UL Listed, ULC Listed, CSFM Approved
- Checks SLC line for short circuit at power up
- Indication of a single short circuit by a yellow LED

### DCP-SOM-A & DCP-SOM-AI

#### SUPERVISED OUTPUT MODULES

- UL 864 Listed, FM Approved, CSFM Approved
- Built-in SCI circuitry (SOM-AI only)
- Flexible application
- Quick response to emergency conditions
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Contacts are rated 2.0 Amps @ 24VDC
- Programming is highly flexible providing 16 priority states plus zoning capability
- Programmed device output is turned off, silenced, or programmed to output the selected pattern

### DCP-SOM-R

#### SUPERVISED OUTPUT MODULE

- UL Listed, FM Approved, CSFM Approved
- Flexible pre-action application
- Quick response to emergency conditions
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Contacts are rated 2.0 Amps @ 24VDC
- Programming is highly flexible providing 16 priority states plus zoning capability

# LOG



## DCP-FRCME-M

### FAST RESPONSE CONTACT MODULE

- UL Listed, FM Approved, CSFM Approved
- Single input contact monitor
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Accepts up to 14 AWG wire



## FRCME-P

### FAST RESPONSE CONTACT MODULE

- UL Listed, FM Approved, CSFM Approved
- Single input contact monitor
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts



## TCF-142-M-ST

### FIBER OPTIC MODULE

- UL Listed, CSFM Approved
- Capability to network FireNET®, FireNET Plus®, and network annunciator using fiber optic cables
- Extends RS-485 transmission up to 3.1 miles
- Protects against electrical interference and chemical corrosion
- No special programming required

## ADDITIONAL ANALOG PRODUCTS and ACCESSORIES



DCP-AMS-KL



DCP-AMS-KL-LP

## DCP-AMS SERIES

### ANALOG ADDRESSABLE MANUAL PULL STATIONS

- UL Listed, FM Approved, CSFM Approved
- Addressable integrated design
- All metal construction
- Extremely easy to operate
- Bi-colored status LED indicates Standby and Alarm conditions
- Address is programmable in EEPROM
- Terminals accept up to 14 AWG wire
- Surface mount back box available
- Model descriptions: single or dual action, key lock or hex key lock
- Models: DCP-AMS, DCP-AMS-LP, DCP-AMS-KL, DCP-AMS-KL-LP
- Available color(s): red



## DH-99 SERIES

### ANALOG DUCT DETECTOR

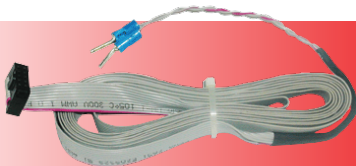
- UL Listed, CSFM Approved, meets UL 268A requirements
- Detects and limits the spread of smoke throughout building HVAC ducts
- Compatible with building automation and fire alarm systems
- Installs quickly and easily
- No screens or filters to clean
- Rugged gray steel back box with clear cover
- Accessories - remote LED alarm indication capability (DH-99-AR only)



## X187/S187

### PROGRAMMING CABLES

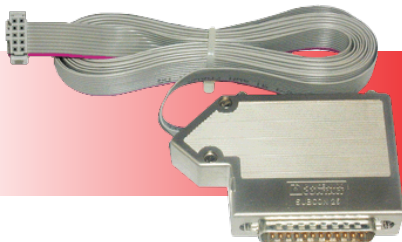
Cable Type:	FireNET® Family Programming
Cable Length:	8.3 feet (2.5 meters)
Left Connector:	10 pin serial (female)
Right Connector:	9 pin - DB9 (female)
X187:	Non-jacketed version
S187:	Jacketed version



## FN-V187

### VOICENET INTERFACE CABLE

Cable Type:	VoiceNET™ integration cable
Cable Length:	8.3 feet (2.5 meters)
Left Connector:	10 pin serial (female)
Right Connector:	2 wire pin (male)



## FN-P187

### PRINTER INTERFACE CABLE

Cable Type:	FireNET®/FireNET Plus® printer cable
Cable Length:	8.3 feet (2.5 meters)
Left Connector:	10 pin serial (female)
Right Connector:	25 pin serial (male)



# LOG

## POWER SUPPLIES & POWER EXTENDERS



### PE-XXSN

#### Model

PE-6SN  
PE-10SN  
FN-642-ULADA  
FN-842-ULADA  
FN-1042-ULADA  
FN-300-ULX  
FN-400-ULX  
FN-600-ULX  
FN-1024-ULX

### FN-XXX-ULX

#### Supply Voltage

120/240 VAC 50/60 Hz  
120/240 VAC 50/60 Hz  
115 VAC 60 Hz  
115 VAC 60 Hz  
115 VAC 60 Hz  
115 VAC 60 Hz  
115 VAC 60 Hz  
115 VAC 60 Hz  
115 VAC 60 Hz

### FN-XXX-ULADA

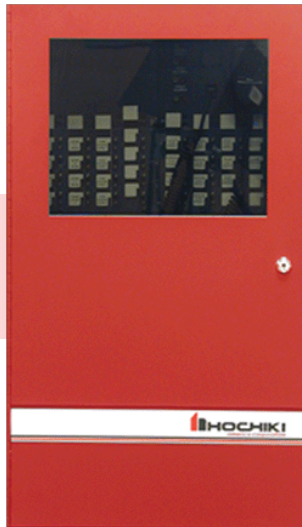
#### Output Rating

6 Amps regulated  
10 Amps regulated  
6.5 Amps  
8 Amps  
10 Amps  
2.5 Amps  
3 Amps  
6 Amps  
10 Amps

#### Synchronization

Built-in sync protocol  
Built-in sync protocol  
Built-in sync protocol  
Built-in sync protocol  
Built-in sync protocol

## VOICE EVACUATION SYSTEMS



### FNV-MP & FNV-DP

#### VOICE EVACUATION SYSTEM

- UL 864 9th Edition Listed, CSFM Approved
- True multiplex 6 channel distributed audio
- Integrated fire phone (optional)
- Modular system - components added as needed
- Integrated 2 channel digital message repeater
- Live microphone page to any zone
- Fast RS-485 communication protocol
- Fully supervised
- Easy installation and operation
- Natural sound voice recordings
- Built-in alarm and alert signals
- Up to 4 minute message capacity
- Works with 12VDC or 24VDC fire alarm panels
- UL Listed to be integrated with FireNET® 2127/4127
- 3 minute message restart on microphone key
- Up to 255 distributed panels
- Available color(s): red or charcoal

## VoiceNET™

### FIRE PHONE EQUIPMENT



#### FNV-FJ

##### TELEPHONE JACK

- Brushed stainless steel single gang



#### FNV-FH

##### PORTABLE HANDSET

- Available color(s): red



(Shown with 6 FNV-FH)

#### FNV-TC

##### TELEPHONE CABINET

- Holds 6 FNV-FH portable handset
- Surface/semi-flush mount
- Available color(s): red or charcoal



#### FNV-WS

##### WARDEN STATION

- Armored cable / thumb turn latch
- Surface/semi-flush mount
- Available color(s): red

#### FNV-FS

##### FIRE PHONE STATION

- Coil cord / thumb turn latch
- Surface/semi-flush mount
- Available color(s): red



#### EVAX 25/50/100/150/200/300/400/500/600

##### CONVENTIONAL VOICE EVACUATION SYSTEM

- UL Listed, CSFM Approved
- Clean dead-front construction
- Digitally recorded automatic voice evacuation (up to 4 minutes of message capacity)
- 25/50/100/150/200/300/400/500/600 watt high efficiency digital system
- 25 or 70 VRMS field selectable
- 120 VAC power supply and battery charger
- Live microphone override of message and tone
- Analog addressable compatible
- High reliability, no maintenance, fully supervised
- Easy installation and operation
- Natural voice sound recordings
- Built-in alarm and alert signals
- Works with 12VDC or 24VDC fire alarm panels
- 3 minute message restart on microphone key
- 24 hour backup with two 12V 7 Ahr batteries
- Made in the USA
- Available color(s): red or charcoal

## NOTIFICATION APPLIANCES



### HE SERIES

#### SELECTABLE CANDELA EVACUATION SIGNALS

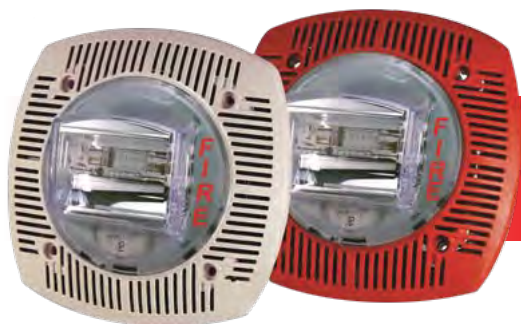
- UL Listed, CSFM Approved
- Nominal voltage 12VDC and 24VDC
- 24VDC units have field selectable candela options of 15, 30, 60, 75, and 110
- 12VDC units have field selectable candela options of 15, 30, 60, and 75
- Synchronize strobe and/or horn with Hochiki series control module (12VDC product must use the HAVSM module)
- Input terminals support 12 to 18 gauge wire
- Switch selection for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Switch for continuous or temporal 3 (not available on Whoop tone)
- Surface mount with the HSB (Hochiki ceiling/surface mount box)
- Silence horn while strobes remain flashing
- Wide voltage range 8-17.5VDC (12VDC units) 16-33VDC or FWR (24VDC units)
- Available color(s): red or off-white



### HSSPKCLP SERIES

#### CEILING MOUNT SPEAKER/STROBE

- UL Listed, CSFM Approved
- Nominal voltage 24 VDC
- Tamperproof field selectable candela options of 15, 30, 75, 95 & 115
- Synchronize HSSPKCLP Series by using Hochiki America Series HAVSM Synchronization Module
- High quality dBA output
- Frequency range 400-4000Hz
- Input terminals support 12 to 18 AWG
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W and 4W
- Field selectable speaker voltage 25 or 70.7 VRMS standard
- Tamperproof grill
- Strobe maintains constant flash rate (1Hz) regardless of input voltage
- Available color(s): red or off-white



### HSSPKWLP SERIES

#### WALL MOUNT SPEAKER/STROBE

- UL Listed, CSFM Approved
- Nominal voltage 24 VDC
- Tamperproof field selectable candela options of 15, 30, 60, 75, 110 and fixed 15/75
- Synchronize HSSPKWLP Series by using Hochiki America HAVSM Synchronization Module
- High quality dBA output
- Frequency range 400-4000Hz
- Input terminals supports 12 to 18 AWG
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W and 4W
- Field selectable speaker voltage 25 or 70.7 VRMS standard
- Tamperproof grill
- Strobe maintains constant flash rate (1Hz) regardless of input voltage
- Available color(s): red or off-white



## HC SERIES

### SELECTABLE CEILING MOUNT STROBE AND HORN STROBE

- UL Listed, CSFM Approved
- Nominal voltage 24 VDC
- Tamperproof field selectable candela options of 15, 30, 75, 95, 115 & 150
- Synchronize HC Series by using Hochiki America Series Control Module
- Input terminals support 12 to 18 AWG
- Switch selection for high or low dBA
- Switch selection for 2400Hz or mechanical tone
- Switch selection for continuous or temporal 3
- Tamperproof re-entrant grill
- Surface mount with the HCSB (Hochiki Ceiling Surface Mount Box)
- Silence horn while strobes remain flashing
- Wide voltage range 16-33 VDC or FWR
- Available color(s): red or off-white



## HX93 SERIES

### MINI-HORN

- UL Listed, CSFM Approved
- Nominal voltage 12VDC and 24VDC
- Jumper for selectable temporal 3 or continuous tone
- Horn frequency of 3100Hz
- Input terminals support 12 to 18 gauge wire
- Low current consumption
- Textured finish high impact plastic faceplate
- Available color(s): red or off-white



## HEP & HEPS SERIES

### COLOR LENS EXPANDER PLATE STROBE

- UL Listed, CSFM Approved
- Nominal voltage 24 VDC
- Available lens colors: amber, blue, green and red
- Amber lens models have field selectable candela options: 15, 30, 60, 75 and 110
- Blue, green and red lens models are fixed 15/75 candela
- HEP dimensions: 10.8" H x 6.6" W x 2.8" D
- HEPS dimensions: 11.5" H x 7.26" W x 5.04" D
- ALERT text on all units
- Wall mount to a standard 4" square x 2.125" deep back box
- HEPS can accommodate 1/2" and 3/4" conduit
- Input terminals support 12 to 18 AWG
- Use in conjunction with Hochiki's speaker or wall mount speaker/strobe (SOLD SEPARATELY)
- To synchronize, use the HAVSM control module
- Wire strip guide
- Xenon strobe maintains constant flash rate of or at 1Hz
- Available color(s): off-white

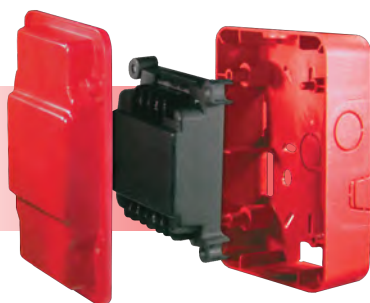




## HHLF SERIES

### LOW FREQUENCY AUDIBLE SIGNAL

- UL Listed
- Nominal voltage 24 VDC
- Unit dimensions: 6.125" H x 5.5" W x 1.625" D
- Synchronize horn with Hochiki HTSM Synchronization Control Module
- Prewire entire system, install mounting bracket, then install signals
- Input terminals accept 12 to 18 AWG
- Produces a 520Hz square wave, temporal 3 tone
- Jumper selection for normal or loud dBA
- Temporal 4 pattern available when used with Hochiki HTSM Synchronization Module
- Temporal 4 520Hz measured per ANSI/UL 2075
- Tamperproof re-entrant style grill and locking screw (optional use)
- Available color(s): red or off-white



## HAVSM

### SYNCHRONIZATION CONTROL MODULE

- UL Listed, CSFM Approved
- Synchronize horn and strobe with the use of only two wires
- Module is rated for 3 Amps continuous current and 5 Amps surge or inrush current
- Synchronizes to 1Hz flash rate
- Operates 1 Class A circuit or 2 Class B circuits at 3 Amps per circuit
- Dual synchronization module only when using Class B circuits
- A green LED status indicator
- Option to silence the horn while strobes continue to flash when using Temporal 3 Mode
- HAVSM operates the HCS/HCC, HES3-24/HEC3-24, HES3-12/HEC3-12, HEC/HES/HEH, HSSPK Series and HX93 Series
- HAVS module comes with its own back box and cover plate
- Available color(s): red or off-white



## B6-24 / B10-24 / BB-WP

### FIRE ALARM BELLS

- UL Listed, CSFM Approved
- Available in 6" or 10" models
- High dbA output
- Mounts to a standard 4" square electrical box
- ANSI/UL Listed for outdoor use when used with the BB-WP weatherproof back box
- 18 AWG wire leads
- Meets ANSI/UL 464 requirements
- Available color(s): red



## WHE SERIES

### WEATHERPROOF EVACUATION SIGNALS

- UL Listed, CSFM Approved
- Nominal voltage 24VDC
- Unit is shipped with WHES24-75 Candela Strobe or WHEC24-75 Candela Horn/Strobe
- Switch selection for high dBA
- Switch for mechanical and 2400hz tone
- Switch for continuous tone
- Input terminals supports 12 to 18 gauge wire
- Tamperproof re-entrant grill
- Wide voltage range of 16-33 VDC or FWR
- Separate horn and strobe functions
- Synchronize strobe and/or horn by using HAVSM module
- Available color(s): red or off-white



## HGOE-R / HGOE-W

### OUTDOOR ENCLOSURE

- UL Listed, CSFM Approved
- Weatherproof seal
- Made of clear Lexan® - providing maximum visibility and reliability for effective visible signaling
- UV stable polycarbonate lens
- Back box or side mount with mounting tabs
- Reinforcement steel hardware
- Textured plastic finish
- Available color(s): red or off-white



## HCSB, HSB & HBLP SERIES

### BACK BOXES

- UL Listed
- Weatherproof seal
- Back box or side mount with mounting tabs
- Reinforcement steel hardware
- Textured plastic finish
- Available color(s): red or off-white

## SMOKE AND HEAT DETECTOR TEST ACCESSORIES



### **SOLO 461** **HEAT DETECTOR TESTER**

- Cordless heat detector tester
- Battery powered -- no hanging wires/tangled cables
- Lightweight and simple to use
- Suits fixed temperature, rate-of-rise and combination detectors up to 194°F/90°C
- Unique IR activation and Cross Air Technology (CAT™) for optimum energy use and results
- Transparent test cup for clear view of detector LED



### **SOLO 330** **AEROSOL DISPENSER**

- Lightweight and simple to use
- Universal design suits wide range of detectors (up to 100mm / 4" in diameter)
- Spring-loaded solution for suspended ceilings
- Transparent test cup for clear view of detector LED
- Swing frame for use at / from angles



### **SOLO 200** **UNIVERSAL DETECTOR REMOVAL TOOL**

- Compatible with all Hochiki conventional detectors and analog sensors
- Universal design - suits most detectors and sensors of other manufacturers
- Color coded tri-grip heads are spring loaded
- Adjustable tri-grip
- Suitable for use on angled ceilings
- Lightweight



### **TESTIFIRE®** **MULTI-STIMULUS DETECTOR TESTER**

- Smoke, heat and CO testing
- Multi or single-sensor tester
- Simultaneous, consecutive or single stimuli programmable testing modes
- Smoke and CO capsules instead of pressurized aerosols

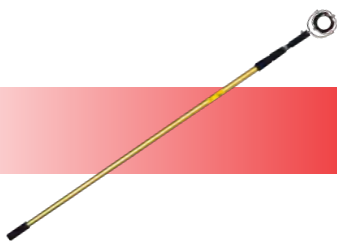
# ANALOG



## NSRT

### SMOKE DETECTOR REMOVAL TOOL

- Combination removal tool/outer cover remover tool for ATG-EA, AIE-EA, ALG-V, ALK-V, SIJ-24 and SLR-24/-835 series sensors/detectors
- Available in hand-held (NSRT-H) or with 15-foot (NSRT-C) extension pole



## NSTT

### SMOKE DETECTOR TESTER

- Tester for Hochiki's SIJ-24 and SLR-24/-835 series smoke detector with a reed switch
- No combustion material needed
- No meter, batteries or screwdriver required
- Available in hand-held (NSTT-H) or with 15-foot (NSTT-C) extension pole



## TCH-B100

### HAND-HELD PROGRAMMER

- Compact and easy to use
- Provides address setting and reading
- Can be used on both sensors and modules
- Has the diagnostic ability to display the sensor analog value



# CONVENTIONAL

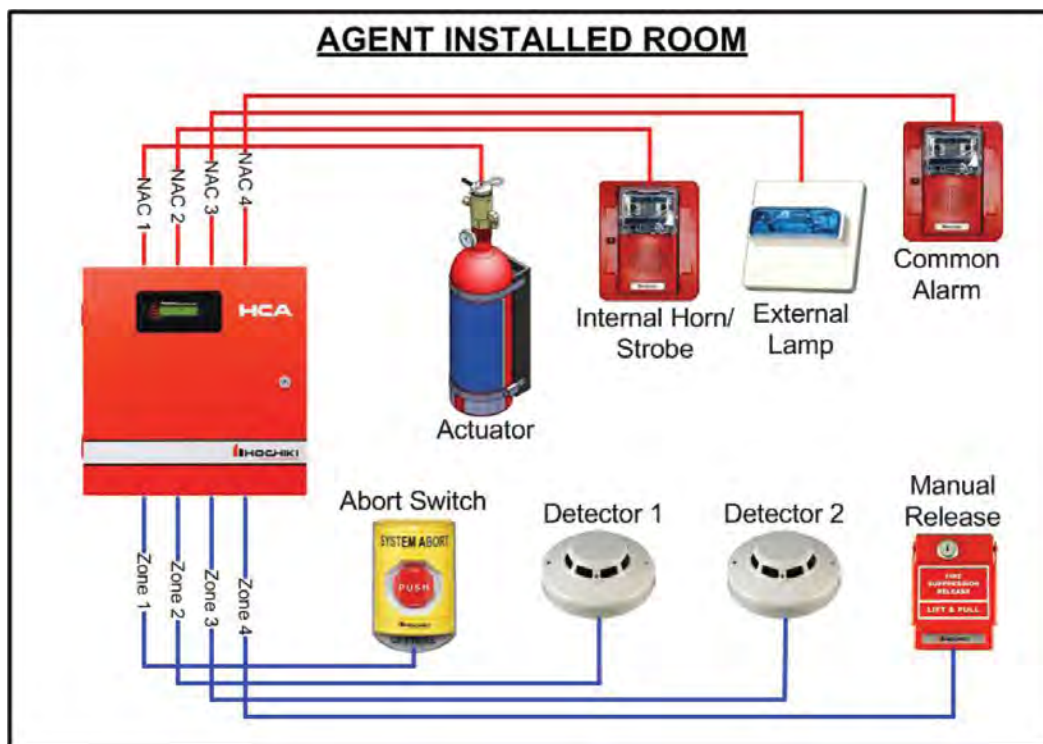
The HCA conventional panel is available in 2, 4, or 8 zones. The 4 and 8 zone models support releasing of agents and water. The HCA is supported by our full line of conventional devices.



## HCA

### CONVENTIONAL CONTROL PANEL

- ETL, CSFM Approved
- Fully programmable using simple menu options
- Installer friendly and supports flush or surface mount without a separate trim ring
- Built-in two-line (16 characters for each line) LCD display provides easy to read information
- 15 key control buttons for easy programming, reset and silencing
- Event history log (256 events) with date/time stamp, which can be viewed from LCD display
- 4 programmable supervised NAC outputs
- 6.5 Amp power supply
- Switchable 120/240VAC 50/60 Hz power supply
- 5 programmable output patterns for NAC circuits
- Gentex sync protocol built-in
- Supports releasing of agents & water on HCA-4 & HCA-8 models
- Three programmable general purpose relays
- Dedicated alarm and trouble relays
- Built-in Walk Test feature
- Supports up to two 12V, 18Ah backup batteries
- Supports one remote annunciator via RS-485
- Available color(s): red



# CONVEN

The HCP conventional panel is available with 8 zones and expandable to 64 zones. Our full complement of adder circuit modules, remote annunciators and digital communicators allow you to expand system requirements as needed.



## HCP-1008E

### CONVENTIONAL CONTROL PANEL

- UL Listed, CSFM Approved
- 8 Class B initiating circuits which may be configured as 4 Class A circuits expandable up to 24 Class B or 12 Class A initiating circuits
- 4 Class A/B indicating circuits with individual trouble indicators (1.7 Amps max. per circuit)
- Each indicating circuit can be configured as Silenceable or Non-Silenceable Audibles may be configured as Steady, Temporal Code, California Code or March Time
- Each initiating circuit can be configured as Alarm, Supervisory, Waterflow or Trouble
- Two outputs for 4 wire resettable smoke power supply (200 mA max. each)
- Alarm verification on initiating circuits
- Easy configuration via push buttons and DIP switches on the front panel
- Available color(s): red

## CONVENTIONAL DETECTORS

The SLR-835B series detectors offer the versatility of being used on either 12 or 24 volt systems. The direct wire installation terminals eliminate the need for a base. These detectors offer the same "low profile" design as our other models and come with or without a fixed thermal sensor. Our smoke detectors are available in bone and/or white plastic (see descriptions below for specific color availability) and are electronically compatible with our current and previous smoke detector models.

SLR-835



SLR-835H

SLR-835B



SLR-835BH

## SLR-835/SLR-835H

### PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile - only 1.8" high (2.2" 835H)
- 2 or 4 wire base compatibility, relay bases available
- 135°F latching heat sensor (835H only)
- Heat sensor protected by a built-in guard (835H only)
- Highly stable operation, RF/transient protection
- Low standby current
- Two built-in power/sensitivity supervision/alarm LEDs
- Non-directional smoke chamber
- Automatic sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 14, Inspection, Testing and Maintenance
- Available color(s): bone or white

## SLR-835B/SLR-835BH

### DIRECT WIRE PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile – SLR-835B = 2.0" high, SLR-835BH = 2.375" high
- 2 or 4 wire models
- 135° F latching heat sensor (SLR-835BH)
- Highly stable operation, RF/transient protection
- Two built-in power/sensitivity supervision/alarm LEDs
- Non-directional smoke chamber
- Automatic sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 14, Inspection, Testing and Maintenance
- Available color(s): bone or white



## SLR-24V

### PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile, 1.8" high (with base)
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF/transient protection
- Low standby current, 45µA at 24VDC
- Two built-in power/sensitivity supervision/alarm LEDs
- Non-directional smoke chamber
- Built-in magnetic go/no-go detector test feature
- Automatic sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 14, Inspection, Testing and Maintenance
- Available color(s): bone or white



## SLR-24H

### PHOTOELECTRIC/HEAT SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile, 2.2" high (with base)
- 2 or 4 wire base compatibility, relay bases available
- 135°F fixed temperature heat sensor (latching)
- Heat sensor protected by a built-in guard
- Highly stable operation, RF/transient protection
- Low standby current, 45µA at 24VDC
- Two built-in power/sensitivity supervision/alarm LEDs
- Non-directional smoke chamber
- Automatic sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 14, Inspection, Testing and Maintenance
- Available color(s): bone or white

The SLV-24, SLV-24M, SLV-24N, and SLV-24V can be used in all areas where photoelectric smoke detectors are required. The patented smoke chamber makes them well suited for fires ranging from smoldering to flaming. *International use ONLY*



## SLV-24

### PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile - only 2.00" high, including base
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF/transient protection
- Low standby current, 45µA at 24VDC
- Two built-in power/alarm LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Built-in magnetic go/no-go detector test feature
- Removable smoke labyrinth for cleaning or replacement
- Compatible with SIJ-24 ionization detectors
- Backwards compatible with Hochiki SLK/SLR-24 and SIH detectors
- Highly resistant to false alarms caused by steam
- Available color(s): bone
- *International use ONLY*



## SLV-24M

### MARINE PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, CSFM Approved
- Low profile - only 2.00" high, including base
- Highly stable operation, RF/transient protection
- Low standby current, 45µA at 24VDC
- Two built-in power/alarm LEDs
- Non-directional smoke chamber
- Built-in magnetic go/no-go detector test feature
- Removable smoke labyrinth for cleaning or replacement
- Highly resistant to false alarms caused by steam
- Available color(s): bone
- *International use ONLY*



## SLV-24N

### PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile - only 2.00" high, including base
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF/transient protection
- Low standby current, 45µA at 24VDC
- Two built-in power/alarm LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Removable smoke labyrinth for cleaning or replacement
- Compatible with SIJ-24 ionization detectors
- Backwards compatible with Hochiki SLK and SIH detectors
- Highly resistant to false alarms caused by steam
- Available color(s): bone or white
- *International use ONLY*



## SLV-24V

### PHOTOELECTRIC SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Low profile - only 2.00" high, including base
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF/Transient protection
- Low standby current, 45µA at 24VDC
- Two built-in power/alarm LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Built-in magnetic go/no-go detector test feature
- Removable smoke labyrinth for cleaning or replacement
- Compatible with SIJ-24 ionization detectors
- Backwards compatible with Hochiki SLK/SLR-24V and SIH detectors
- Highly resistant to false alarms caused by steam
- Available color(s): bone
- *International use ONLY*



# TIONAL

The DCD, DFE, and DSC models provide heat detection for various applications. Each offers a choice of either "fixed" or "rate of rise" detection options. The DCD and DFE models are available in 135°F or 190°F alarm thresholds.



## DCD-135 / 190

### FIXED TEMPERATURE AND RATE OF RISE HEAT DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Available models: 135°F fixed temperature/rate of rise (DCD-135) or 190°F fixed temperature/rate of rise (DCD-190)
- UL Listed spacing up to 60 feet by 60 feet
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF/transient protection (reduces false alarms)
- Two built-in power/alarm LEDs confirm detector status (360° viewing)
- Compatible with Hochiki's SLR-24V and SIJ-24 detectors and bases
- Available color(s): bone or white



## DFE-135 / 190

### FIXED TEMPERATURE HEAT DETECTOR

- UL Listed, CSFM Approved
- Available models: 135°F fixed temperature (DFE-135) or 190°F fixed temperature (DFE-190)
- UL Listed ceiling spacing of 50 feet by 50 feet
- Self-restoring
- Contact rating of 100mA
- Latching LED base available
- Available color(s): bone or white



## DSC-EA

### RATE OF RISE HEAT DETECTOR

- UL Listed, CSFM Approved
- Ideal for locations where temperature is likely to increase suddenly in the event of fire
- Slim design provides an economical solution for heat detection
- Latching LED base available
- Available color(s): bone or white

## CONVENTIONAL BASES

The conventional bases come in 4" or 6" diameter, and are available with or without a current limiting resistor (depending upon control panel requirements). Bases are available in bone or white to match the detector. Bone (off white) is the standard color for detectors and bases for most applications.



## SPECIAL APPLICATIONS

HSC-220R	Relay base (88mA)
HSC-221R	Relay base (49mA)
HSC-224R	Relay base (43mA)
HSC-4R	4 wire 24 volt base (43mA)
HSC-224L	Latching LED base (35-42mA)
HSC-220L	Latching LED base (67-80mA)
HSC-221L	Latching LED base (37-45mA)



## STANDARD TYPES

NS4-100, NS6-100	Non current limited
NS4-220, NS6-220	93mA current limit
NS4-221, NS6-221	46mA current limit
NS4-224, NS6-224	43mA current limit



## ADDITIONAL CONVENTIONAL PRODUCTS



### DH-98 SERIES

#### CONVENTIONAL DUCT DETECTOR

- Detects and controls the spread of smoke throughout the building HVAC ducts
- Compatible with building automation and fire alarm systems
- Installs quickly and easily
- Interchangeable "plug-in" detector heads
- No screens or filters to clean
- Cover provides magnet window and placement guide for go / no-go operational testing without disassembly (conventional only)
- Durable steel back box with clear cover
- UL Listed accessories: remote power, remote alarm indication capability and remote horn / piezo capability
- Photoelectric (both), and high voltage (conventional only) models



### SPC-24

#### PROJECTED BEAM SMOKE DETECTOR

- UL Listed, FM Approved, CSFM Approved
- Microprocessor based for reliability
- Simple setup and alignment with signal strength LEDs
- Provides 60 feet on center linear protection at a range of 32.8 feet to 328 feet
- Automatic compensation for signal drift or dirty lens
- Three field adjustable sensitivity settings
- Form A alarm and Form B trouble contacts
- Calibrated filters available to verify sensitivity
- Color-coded emitter (red) and receiver (green) labels for easy recognition



### HPS-DAK-SR

#### MANUAL PULL STATION FOR FIRE SUPPRESSION RELEASE

- UL Listed, CSFM Listed
- Metal construction
- Enclosed switch with glass rod (included)

English



Spanish

### HPS-SAH, HPS-SAK, HPS-DAH, HPS-DAH/S, HPS-DAK, HPS-DAK/S SERIES

#### MANUAL NON-CODED PULL STATIONS

- UL Listed, CSFM Listed
- Metal construction
- Enclosed switch with glass rod (included)
- 10 Amps @ 120 VAC
- Available in: Single Action, Dual Action and Dual Action in Spanish (HPS-DAH/S)



### HPS-DAK-WP

#### WEATHERPROOF MANUAL PULL STATION

- Weatherproof manual pull station
- 10 A, 120 VAC contacts
- Rugged die-cast aluminum housing
- Neoprene sealing gasket
- Corrosion-resistant construction
- Lift and latching pull-down lever
- Enclosed switch with glass rod (Included)
- Screw terminal connections
- Key reset

# TIONAL



## HPS-SA-EX/WP

### EXPLOSION PROOF MANUAL PULL STATION

- UL Listed, CSFM Approved
- Compatible with all Hochiki control panels
- Rugged die-cast housing
- Rated class I group B (hydrogen) C&D, class II groups E, F, G, class III, 4X outdoor
- Weatherproof
- Corrosion-resistant construction
- Latching alarm levers
- Screw terminals 12-22 AWG
- Key-locked reset
- Optional glass break rod
- DPDT contacts



## HPS-SAH-WP

### WEATHERPROOF MANUAL PULL STATION

- Weatherproof manual pull station
- 10 A, 120 VAC contacts
- Rugged die-cast aluminum housing
- Neoprene sealing gasket
- Corrosion-resistant construction
- Latching pull-down lever
- Screw terminal connections
- Hex reset

## English



## Spanish

## HPS-CP

### CALL POINT BREAK GLASS STATION

- UL Listed, CSFM Approved
- Actuating switch, a heavy duty plunger type
- Glass plate (2.5" x 2.5"), a Factrolite™ single strength (obscured) type
- Steel rod attached
- Mounts in a standard electrical outlet box
- Available in English & Spanish (HPS-CP/S)



## PB-SA

### PUSH BUTTON SYSTEM ABORT

- UL Listed, CSFM Approved
- Protection against accidental activation
- Stainless steel backplate
- Polycarbonate is UV-stabilized
- ADA compliant
- Key reset





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## THE HISTORY OF THE HOCHIKI GROUP OF COMPANIES

The history of Hochiki dates back to 1918, with the formation of the Hochiki Group of Companies. Significant events in Hochiki's history are dated up to present day:

- 1918 :::: Hochiki Corporation was established in Tokyo, Japan as Japan's first manufacturer of fire alarm equipment
- 1920 :::: The world's first addressable fire alarm system was installed in Japan by Hochiki Corporation
- 1951 :::: The production of the "Rate-of-Rise" heat detectors
- 1967 :::: The Ionization Smoke Detector was developed
- 1972 :::: Hochiki America Corporation subsidiary was established  
Hochiki Research Laboratory in Tokyo, Japan was established  
Hochiki Ionization Smoke Detector was approved by Underwriters' Laboratories, Inc.
- 1973 :::: Intrinsically Safe Fire Alarms System was developed
- 1977 :::: Hochiki America moved its facility from Hawaiian Gardens, CA to Huntington Beach, CA
- 1984 :::: Hochiki America began manufacturing detector bases
- 1986 :::: The current analog addressable fire protocol was developed – Digital Communication Protocol (DCP)
- 1988 :::: Hochiki America began operation as a manufacturing facility with additional production lines of smoke detector and bases being transitioned over to the United States from Japan
- 1991 :::: Hochiki Europe (UK) Ltd. was established in Kent, United Kingdom
- 1992 :::: Hochiki America established APA Technology, Inc., a subsidiary of Hochiki America and Hochiki Corporation
- 1994 :::: Hochiki America obtained ISO 9002 certification
- 1995 :::: Hochiki Corporation opened one of the world's largest fire testing facilities in Miyagi, Japan
- 1997 :::: Hochiki Singapore Branch Office was established
- 1998 :::: APA Technology Inc. merged with Hochiki America
- 1999 :::: Hochiki America moved to a larger facility in Buena Park, CA
- 2001 :::: The Beijing, China representative office was established
- 2003 :::: Hochiki America introduced its first "UL" approved analog addressable fire alarm control panel- the FireNet®
- 2006 :::: The Hochiki Fire Prevention Technology Corporation was established in Beijing, China
- 2007 :::: Hochiki America acquired UL 864 9th Edition listing for FireNet®  
Hochiki America begins production of new models, ALK-V and SLV-24
- 2012 :::: Hochiki America celebrated its 40th anniversary  
Hochiki Corporation Japan acquired Kentec Electronics Ltd.  
Hochiki America acquired VES, LLC, a subsidiary of Kentec Electronics, Ltd.

Over 90 years later, the Hochiki Group of Companies consists of 5 factories, 10 subsidiaries and 38 branches throughout the world. Anchored by Hochiki Corporation, Hochiki America and Hochiki Europe, we are combining our efforts to offer the highest quality and most reliable fire products to meet today's ever-changing global market.

**HOCHIKI AMERICA CORPORATION**  
**WWW.HOCHIKI.COM**