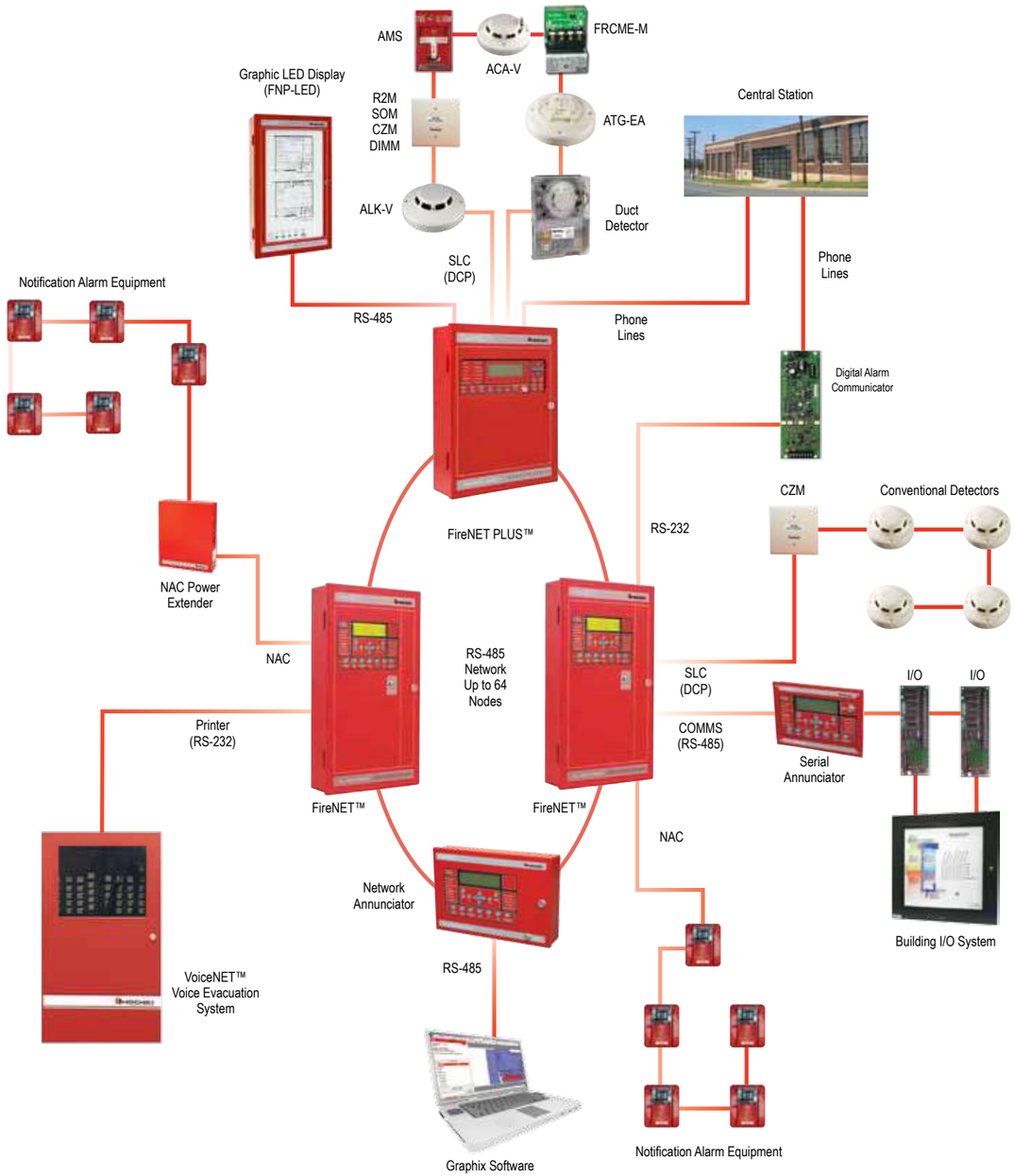
HOCHIKI
america corporation

THE WORLD'S FINEST FIRE DETECTION SYSTEMS SINCE 1918

PRODUCT CATALOG

HOCHIKI america corporation 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 a very 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 will support up to 127 devices per loop (of any combination), which includes sensors 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
- 2 or 4 loop versions
- Analog design using Hochiki's advanced DCP protocol for fast & robust communication
- Network Capability of 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 char.)
- 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 (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
- Fire Drill function and Walk Test function
- Powerful & versatile Cause & Effect programming
- Alternate build of the panel door 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)

FireNET™Plus
ANALOG ADDRESSABLE CONTROL PANEL

- UL 864 9th edition Listed
- 1 or 2 loop (option)
- Analog design using Hochiki's advanced DCP protocol for fast and robust communication
- Network Capability of up to 64 panels (option) with 500 network wide software zones
- RS-485 bus for panel network (option)
- Integrated digital alarm communicator (DACT) with Contact ID and SIA reporting formats
- 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 char.)
- Built-in RS-232 interface for programming via a PC
- 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 (style Y) 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

ANALOG

FN-LCD-S
SERIAL ANNUNCIATOR

- UL 864 9th Edition listed
- 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 annunicators 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™ Aux. 24VDC or UL fire listed Aux. 24VDC supply
- Available in red or charcoal, and can be surface or flush mounted
- Built-in help and alarm information screens
- Fire Drill function

FN-LCD-N
NETWORK ANNUNCIATOR

- UL 864 9th Edition listed
- 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 16 FN-4127-IO boards
- 2 built-in RS-232 interfaces 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™ Aux. 24VDC or UL fire listed Aux. 24VDC supply
- Available in red or charcoal, and can be surface or flush mounted (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-N's can be networked together in any combination
- 500mA of auxiliary power available rated at 24VDC
- Fire Drill function
- Supports up to 32 FN-4127-IO boards on RS-485 expansion port
- The FN-LCD-N can be configured to remote reset, silence, re-sound, any or all panels on the network in any combination

FNP-LED
GRAPHIX LED DISPLAY

- Available in Red and Charcoal Gray
- Up to 504 LED's can be controlled with FireNET™ Plus Panel
- Available in 3 different size enclosures
- LED's comes in 3 different colors: Red, Green, or Yellow
- FNP-LED can be easily upgraded onsite with minimal cost and effort

FN-ACC-R/C
BATTERY ENCLOSURE

The FN-ACC is designed to provide a method to properly store backup batteries for the FireNET and FireNET Plus panels. The enclosure can also be used to mount 16 Channel I/O Boards. The battery enclosure comes in two colors Red (FN-ACC-R) & Charcoal (FN-ACC-C) and comes with a keylock.

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
- Event history explore and the ability to export to text or HTML
- Not UL listed

FNV-MP & FNV-DP
VOICE EVACUATION SYSTEM

- UL 864 9TH Edition Listed
- True Multiplex 6 Channel Distributed Audio
- Integrated Fire Phone, Area of Rescue and Fan & Damper Control Capability
- 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 256 Distributed Panels
- Available in red or charcoal

VOICENET™
FIRE PHONE EQUIPMENT

FNV-FJ
Telephone Jack

FNV-FH
Portable Handset

FNV-TC
Telephone Cabinet

FNV-WS
Warden Station

FNV-FS
Fire Phone Station

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 and B wiring methods per NFPA 72 Styles 4, 6, and 7 (Style 7 requires isolators)
- Fully supervised & power limited SLC loop
- 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 I/O 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

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 ft.
- Uses standard type Belden cable suitable for RS-485 applications
- Network wide Cause & Effect logic.

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 and B wiring methods per NFPA72 Styles 4, 6, and 7 (with 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, no shielded or twisted pair required on SLC loops

FN-DAC
DIGITAL ALARM COMMUNICATOR

- 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

ANALOG SENSORS

ALK-V
PHOTOELECTRIC SMOKE SENSOR

- Low Profile – Only 2.0” high, including base
- Simple and reliable device addressing method
- 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 LED’s
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Removable smoke labyrinth for cleaning or replacement
- Compatible with the ALG-V Photoelectric sensor, ACA-V Multi-Criteria Sensor & the ATG-EA heat sensor
- Adjustable threshold temperature 135°F - 150°F (determined by panel)

ACA-V
ANALOG MULTI-CRITERIA SENSOR

- Low Profile – Only 2.23” high, including base
- Simple and reliable device addressing method
- 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 LED’s
- Non-directional smoke chamber
- Vandal resistant security locking feature
- Removable smoke labyrinth for cleaning or replacement
- Compatible with the analog sensors

ATG-EA
HEAT SENSOR

- Low Profile – Only 2.0” 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
- Adjustable threshold temperature 135°F - 150°F (determined by panel)

ACB-EA & ACB-EAW
FIXED TEMP/RATE OF RISE HEAT SENSOR

- Low Profile – Only 2.0” 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 - 150°F (determined by panel)
- Applicable for indoor (ACB-EA) and outdoor (ACB-EAW) installations

ANALOG BASES

ASB
ANALOG SOUNDER BASES

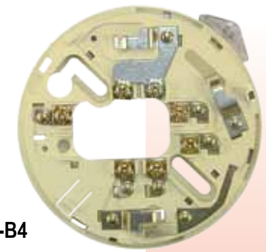
- Programmable evacuation codes – Continuous, March, ANSI Temporal patterns
- Base learns the sensor address and assumes an upper range address (128-254)
- Up to 127 sensors and 127 ASBs can be used on one SLC loop
- Can be alarmed or reset by zone or by individual address
- ASB SLC loop wire resistance = 50 ohms Max. (total SLC wire run length)
- High sound pressure level (85dB SPL at 10 feet)

YBN-NSA-4

HSB-NSA-6

YBN-NSA-4 & HSB-NSA-6

- Designed for use with all NS analog sensors
- Available in 4 and 6 inch models
- Contains a security locking tab for tamper protection



SCI-B4

SCI-B6

SCI-B4 & SCI-B6
SHORT CIRCUIT ISOLATOR ANALOG SENSOSR BASES

- UL Listed
- Ability to detect short circuit conditions
- Designed for use with all Hochiki analog sensors
- Available in 4 and 6 inch models
- Built-in LED indication upon short circuit condition
- Contains a security locking tab for tamper protection

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 which include contact monitoring, output and relay function, as well as short circuit isolation.

FN-CTM

Front View

Rear View

DCP-SOM-R
SUPERVISED OUTPUT MODULE

- Flexible Pre-Action application
- Contacts are rated 2.0 Amps @ 24VDC

SOM, SOM-A & SOM-AI
SUPERVISED OUTPUT MODULE

- SOM is Class B only
- SOM-A & SOM-AI are Class A & Class B
- Built-in SCI circuitry (SOM-AI only)
- Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
- Outputs are supervised for open or short conditions

CZM
CONVENTIONAL ZONE MODULE

- Allows the panel to monitor two-wire conventional smoke detectors
- Supervises the external power supply
- Status conditions are reported as “normal”, “open” or “alarm”

SCI
SHORT CIRCUIT ISOLATOR

- Checks SLC line for short circuit at power up
- LED fault indication status
- Does not utilize loop address

R2M, R2ML, R2ML-I, R2MH, R2MH-I
DUAL RELAY MODULE

- Contacts are rated as follows:
  - R2M: 1A @ 30VDC / 0.5A @ 125 VAC
  - R2ML: 2A @ 30VDC / 0.5 @ 120 VAC
  - R2MH: 8A @ 30VDC / 4.8A @ 250 VAC
- Yellow LED indicates a short circuit condition (R2ML-I & R2MH-I only)
- Operates on Class A or Class B SLC loop

DIMM
DUAL INPUT MONITOR MODULE

- Capable of monitoring two separate circuits simultaneously
- Mounts in standard 4” gang box
- Each input can be programmed independently to monitor normally open or normally closed contacts

FN-CTM
CITY TIE MODULE

- 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-FRCME-M
FAST RESPONSE CONTACT MODULE

- Single input contact monitor
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Operates on Class A or Class B SLC loop
- Accepts up to 14 AWG wire

FRCME-P
FAST RESPONSE CONTACT MODULE

- Single input contact monitor
- 127 devices can be used per DCP loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Operates on Class A or Class B SLC loop

FRCME-4
FAST RESPONSE CONTACT MODULE

- Single input contact monitor
- 127 devices can be used per DCP loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Operates on Class A or Class B SLC loop
- Accepts up to 14 AWG wire

FRCMA & FRCMA-I
FAST RESPONSE CONTACT MODULE

- Yellow LED indicates a short circuit condition (FRCMA-I only)
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts in Class B
- Operates on Class A or Class B SLC loop

TCF-142-M-ST
FIBER OPTIC MODULE

- 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 interface and chemical corrosion
- No special programming required
- UL 864 9th Edition Listed

ANALOG

DCP-AMS-KL

DCP-AMS-KL-LP

DCP-AMS
ANALOG ADDRESSABLE MANUAL PULL STATION

- Addressable integrated design
- All metal construction
- Single and dual action models available
- Extremely easy to operate
- Bi-colored status LED indicates Standby and Alarm conditions
- Address is programmable in EEPROM
- Key lock or hex key lock models available
- Terminals accept up to 14AWG wire
- Surface mount back box available

DH-98 SERIES
ANALOG DUCT DETECTOR

- 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-98-AR only)
- Meets UL 268A Requirements

X187/S187
PROGRAMMING CABLES

Cable Type:	FireNET Family Programming
Cable Length:	10 feet (3 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:	10 feet (3 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:	10 feet (3 meters)
Left Connector:	10 Pin Serial (Female)
Right Connector:	25 Pin Serial (Male)

POWER SUPPLIES & POWER EXTENDERS

FN-300-ULX, FN-400-ULX, FN-600-ULX, FN-1024-ULX
POWER SUPPLY

- Input fuse rated @ 3.5 amps/250V
- Filtered and electronically regulated output
- Short circuit and thermal overload protection
- AC fail supervision (form “C” contacts)
- Low battery supervision (form “C” contacts)
- Battery presence supervision (form “C” contacts)
- Built-in charger for sealed lead acid or gel type batteries
- Automatic switch over to stand-by battery when AC fails
- Zero voltage drop when switched over to battery backup
- AC input and DC output LED indicators
- Accommodates up to two (2) 12VDC/7AH batteries
- Power supply, enclosure, cam lock and battery leads

FN-642-ULADA, FN-842-ULADA, FN-1042-ULADA
POWER EXTENDER

- Two (2) Class A or (2) Class B FACP inputs
- Two (2) NC dry contact trigger inputs
- Four (4) Class A or Four (4) Class B indicating circuits
- Two (2) Class B outputs may be paralleled for more power on an indicating circuit
- One (1) Aux. Power Output @ 1 amp supply current (with or without battery back up)
- Signal Circuit Trouble Memory - Facilitates quickly locating intermittent system trouble and eliminates costly and unnecessary service calls. LED’s indicate a prior fault (short, open, ground) has occurred on one or more signaling circuit outputs.
- 2 wire Horn/Strobe Sync mode allows audible notification appliances (Horns) to be silenced while visual notification appliances (Strobes) continue to operate
- Horn/Strobe sync protocols include: Gentex, System Sensor, Faraday, Wheelock and Amseco.
- Temporal Code 3 Mode
- Steady Mode
- Input to Output Follower Mode (maintains synchronization of notification appliance circuits)
- March Time
- Compatible with 24VDC or 12VDC fire panels
- Input 115VAC
- AC fail, battery presence & low battery monitoring
- Accommodates up to two (2) 12VDC/12AH batteries
- Power supply, logic board, red enclosure, cam lock, transformer & battery leads

HOCHIKI america corporation

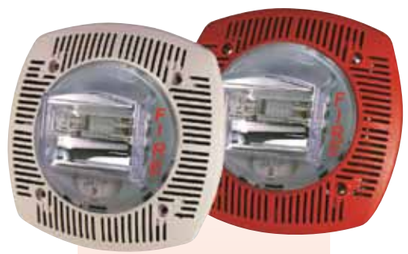
NOTIFICATION APPLIANCES

HE SERIES
SELECTABLE CANDELA EVACUATION SIGNALS

- Nominal voltage 12VDC and 24VDC
- 24VDC units have field selectable candela options of 15, 30, 60, 75, and 110 candela
- 12VDC units have field selectable candela options of 15, 30, 60, and 75 candela
- Synchronize strobe and/or horn with Hochiki Series Control Module (12VDC product must use the HAVSM Module)
- Input terminals supports 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)
- Faceplate available in Red or Off-White

HSSPKCLP SERIES
CEILING OR WALL MOUNT SPEAKER/STROBE

- Nominal Voltage 24 VDC
- Tamperproof Field Selectable candela options of 15, 30, 75, 95 & 110
- Synchronize HSSPKCLP Series by using Hochiki America Series 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
- Faceplate available in Red or Off-White



HSSPKWLP SERIES
WALL MOUNT SPEAKER/STROBE

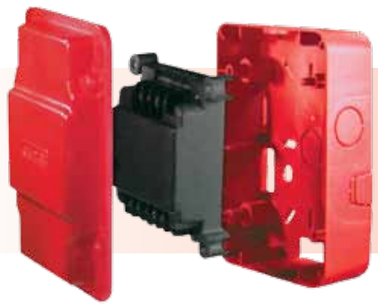
- Nominal Voltage 24 VDC
- Tamperproof Field Selectable candela options of 15, 30, 75, 95 & 110
- Synchronize HSSPKWLP Series by using Hochiki America HAVSM Synchronization Module
- High Quality dBA Output
- Frequency Range 400-4000Hz
- Input Terminals supports 12 to 18 AWG
- Field selectable power taps: 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
- Faceplate available in Red or Off-White

HC SERIES
SELECTABLE CEILING MOUNT STROBE AND HORN STROBE

- 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
- Faceplate Available in Red or Off-White

HX93 SERIES
MINI-HORN

- Nominal voltage 12VDC and 24VDC
- Jumper for Selectable Temporal 3 or Continuous tone for HX93 Series
- Horn Frequency of 3100Hz
- Input terminals supports 12 to 18 gauge wire
- Low Current Consumption
- Textured Finish High Impact Plastic Faceplate
- Available in Red or Off-White.



HAVSM
SYNCHRONIZATION CONTROL MODULE

- 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 come with its own back box and cover plate
- Available in Red or Off-white

HGOE-R / HGOE-W
OUTDOOR ENCLOSURE

- 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 in Red or Off-white

WHE SERIES
WEATHERPROOF EVACUATION SIGNALS

- 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
- Faceplate Available in Red or Off-White

HCSB, HSB & HBLP SERIES
BACK BOXES

- Weatherproof seal
- Back-box or side mount with mounting tabs
- Reinforcement steel hardware
- Textured plastic finish
- Available in Red or Off-White

SMOKE AND HEAT DETECTOR TEST ACCESSORIES

SOLO-461
CORDLESS (CAT™) DETECTOR TESTER

- Tests detectors up to 30ft with SOLO universal access poles
- Operates from 110/120V, AC supply or 12VDC car battery

TSE-A100
SELF-CONTAINED SMOKE GENERATOR POLE

- Tests all types of smoke detectors
- Extends 14.1'
- Exhaust function to clear detector

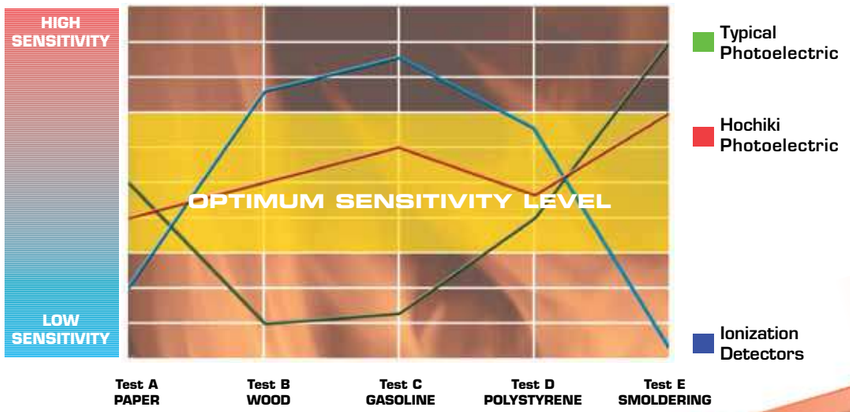
NSRT & NSTT
SMOKE DETECTOR TESTER & REMOVAL TOOL

- Available hand-held or with 15' extension pole
- No combustion material needed

TCH-B100
HAND-HELD PROGRAMMER

- Compact unit; 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

HOCHIKI SMOKE DETECTOR RESPONSE CHART

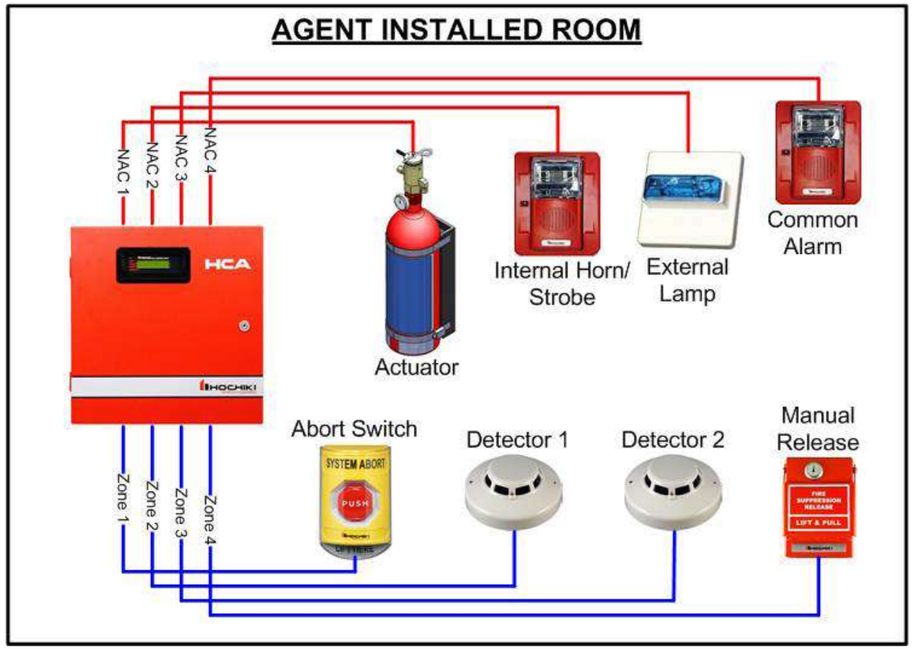


CONVENTIONAL

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

- UL864 9th Edition / NFPA Compliant
- 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



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

HCP-1008
CONVENTIONAL CONTROL PANEL

- Expandable panel selection
- Class A or B initiating circuits
- Indicating circuits with individual trouble indicators (1.7 Amp Max. per circuit)
- Each indicating circuit can be 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
- Outputs for 4 wire re-settable smoke power supply
- Alarm verification in initiating circuits
- Easy configuration via DIP switches or push button and slide switches on front panel

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. As with all our smoke detectors, they are available in either bone or white plastic and are electronically compatible with our current and previous smoke detector models.

SLR-835
WITH BASE SERIES

The "SLR-835" series photoelectric smoke detectors come with the same features as that of the "SLR-835B" baseless series (listed above) with the exception that it requires a matching base for installation. Please refer to page 9 for available base styles to use with these detectors.

SLR-835B
DIRECT WIRE SERIES

- Wide voltage range for use on either 12 or 24 volt systems
- Low profile
- 2 or 4 wire configuration
- Direct wire installation- does not require a base
- Highly stable operation, RF / transient protection (reduces false alarms)
- Two built-in power / sensitivity supervision / alarm LED's (360˚ viewing)
- Vandal resistant security locking feature
- Removable smoke chamber for cleaning or replacement
- Built-in automatic sensitivity check
- Built-in magnetic alarm test feature
- Available with or without a 135˚F heat sensor

CONVENTIONAL

SLR-24V
PHOTOELECTRIC SMOKE DETECTOR

- 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 2 & 7, Inspection, Testing and Maintenance

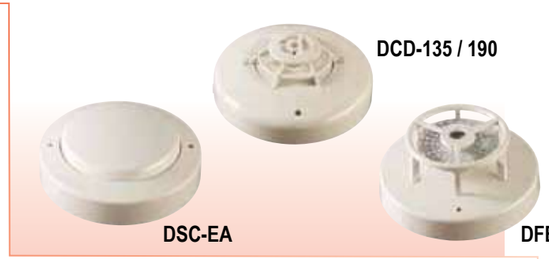
SLR-24H
PHOTOELECTRIC/HEAT SMOKE DETECTOR

- 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 LED's
- Non-directional smoke chamber
- Automatic Sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 2 & 7, Inspection, Testing and Maintenance

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

- Low profile
- UL Listed spacing up to 60' by 60'
- 2 or 4 wire base compatibility, relay bases available
- Highly stable operation, RF / transient protection (reduces false alarms)
- Two built-in power / alarm LED's confirm detector status (360˚viewing)



DCD-135 / 190

DSC-EA

DFE-135 / 190

DSC-EA
RATE OF RISE HEAT DETECTOR

- Rate of Rise function responds quickly to fires
- Design provides an economical solution for heat detection.
- Latching LED base available

DFE-135 / 190
FIXED TEMPERATURE HEAT DETECTOR

- Choice of fixed temperature -135˚F and 190˚F
- UL Listed ceiling spacing of 50' by 50'
- Self-Restoring
- Contact rating of 100mA
- Latching LED base available

DH-98 SERIES
CONVENTIONAL DUCT DETECTORS

- 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

SOUNDER BASE

The conventional sounder base is compatible for use with many of our "base" type detectors. Its features make it ideal for use where sounders are required such as hotels, apartments and hospitals.

SBC CONVENTIONAL SOUNDER BASE

- Selectable evacuation codes: continuous or temporal
- Three configuration modes: individual, group or global
- High sound pressure level (85 dB @ 10 ft.)
- Available with or without relay, 2 or 4 wire
- All models are 6" in diameter
- Bone or white color options

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) and are available in either bone or white plastic.

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-4R12	4 wire 12 volt base (47mA)
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

SLV-24M
MARINE PHOTOELECTRIC SMOKE DETECTOR

- Low profile, 2.0" high (with 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

NS6-220M & NS4-220M
CONVENTIONAL MARINE TYPE DETECTOR BASES

The NS6-220M and NS4-220M are designed specifically for use with the HOCHIKI Conventional Marine Use Model SLV-24M Photoelectric Smoke Detector. The Base is an electronics free 6" base featuring a plastic tamper-lock lug. The base is equipped with a resistor. Refer to the chart for additional specifications. The NS4-220M base is a 4" version of the NS6-220M base.

CONVENTIONAL

PB-SA
PUSH BUTTON SYSTEM ABORT

- Protection against accidental activation
- Key to Reset
- Stainless steel backplate
- Polycarbonate is UV-stabilized
- ADA Compliant
- UL Listed

HPS-DAK-SR
MANUAL PULL STATION FOR FIRE SUPPRESSION RELEASE

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

HPS-CP
CALL POINT BREAK GLASS STATIONS

- 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
- UL listed

HPS-SAH, HPS-SAK, HPS-DAH, HPS-DAH/S, HPS-DAK, HPS-DAK/S SERIES
MANUAL NON-CODED PULL STATION

- 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)
- UL, CSFM Listed

HPS-SA-EX/WP
EXPLOSION PROOF MANUAL PULL STATIONS

- 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
- Weather Proof
- Corrosion-resistant construction
- Latching alarm levers
- Screw Terminals 12-22 AWG
- Key-locked reset
- Optional glass break rod
- DPDT Contacts

HPS-SAH-WP & HPS-DAK-WP
WEATHER PROOF MANUAL PULL STATIONS

- 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

SPECIAL APPLICATIONS

The special application detector line provides a wide range of products to meet the needs of other types of detection which may not be found in traditional spot type smoke and heat detectors. The HF-24 flame detector is designed to detect flaming fires. The SPC-24N (point-to-point) and SRA-24 (reflective) beam detectors provide open area smoke detection from spans of 32.8'-328' and 25'-100' respectively. The SZA-NA provides detection of very low density smoke.

SRA-24
REFLECTIVE BEAM SMOKE DETECTOR

- Detection coverage from 25' - 100'
- Pulsed beam to reduce overall current consumption and improve noise rejection characteristics
- Innovative "low profile reflective mirror"
- Automatic compensation for signal drift or dirty lens
- Fire detection sensitivity can be set to either 20% or 30% obscuration

SPC-24N
POINT-TO-POINT BEAM SMOKE DETECTOR

- Microprocessor based for reliability
- Simple setup and alignment with signal strength LED's
- Provides 60' on center linear protection at a range of 32.8' to 328'
- 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 and receiver labels for easy recognition

HF-24
ULTRAVIOLET FLAME DETECTOR

- Detects fast-flaming fires
- Highly reliable, long-life UV receptor tube
- Low power consumption
- Can be intermixed with other types of detection on the panel's detection circuitry
- Interchangeable with Hochiki America's standard conventional detectors
- Easily maintained, cleaning can be accomplished without disassembling the detector

SZA-NA (FM)
HIGH SENSITIVITY SMOKE DETECTION SYSTEM

- Detects very low density smoke
- 200 m^2 detection area (2150 ft^2)
- No filter necessary
- N/O or N/C alarm contacts form A, form B
- Automatic and manual laser tests
- Four selectable sensitivity ranges
- 3 alarm levels
- FM Approved

HISTORY

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 first "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 Alarm 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 detectors 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

Over 90 years later, the Hochiki Group of Companies consists of 5 factories, 19 subsidiaries, and 36 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
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