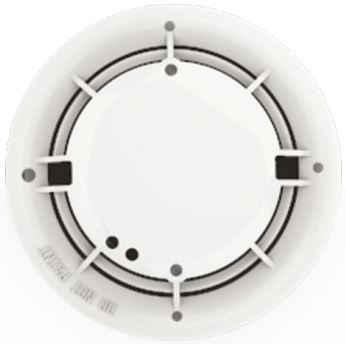
HOCHIKI

World Class Leaders in Fire Detection Since 1918







SYSTEMSCATALOGUE

EN Fire Detection Systems

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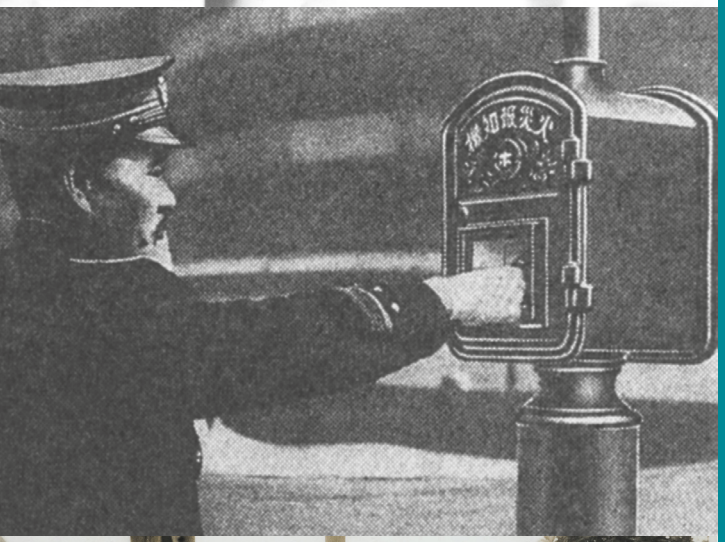
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World Class Leaders in Life Safety Since 1918

Hochiki has a distinguished heritage of specialist technological expertise which has gained the group its international status as one of the world's leading manufacturers of commercial and industrial fire detection solutions. Established early in the twentieth century, Hochiki has remained an independent, multi-national company which now employs over 1500 personnel in total, operating five manufacturing plants, thirty-one sales offices and eighteen subsidiaries.

Hochiki Europe (UK) Ltd manufactures and distributes product for Europe, the Middle East, CIS, Indian Sub-Continent and Africa and is dedicated to providing sales and technical services to these markets.

World Proven Performance

With a heritage of innovative design and leading edge technologies, Hochiki's products have gained widespread acceptance as the benchmark for high-integrity and long-term reliability throughout the world.

Research and Development for Life Safety

Hochiki owns the world's largest, purpose-built, state of the art fire test laboratory. This ensures that the pedigree of Hochiki products remains unrivalled and guarantees that even large scale designs are fully proven in real fire conditions.

In addition, the Group employs over 100 specialist research and development engineers that undertake activities from fundamental research into the physical properties of fire, to hardware and software product design and development.

Delivery Quality

Acknowledged globally by system specifiers and integrators as an international market leader in the manufacture of fire products, the main benefits of using Hochiki devices are:

- ▶ High quality of products ensure long term reliability
- ▶ Easy to install
- ▶ Open Protocol for choice and flexibility
- ▶ Reduced cost of ownership
- ▶ Virtual elimination of false alarms
- ▶ Compliance to standards

Types of Fire Detection System

Hochiki offers many types of fire detection system; this includes the ESP intelligent analogue addressable fire alarm system, the CDX conventional system and Ekho, a hybrid wireless system. These ranges are supplemented by a large selection of ancillary and test equipment.

Product Colour Key

Some products are available in a range of colours, and where appropriate, a colour swatch is shown next to these products denoting which colours are available. For example ☐ denotes product available in ivory.

☐ Ivory ☐ White ■ Black ■ Grey ■ Red ■ Blue ■ Green ■ Yellow

L@titude
Life Safety Platform

Intelligent Fire Alarm Control Panels

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HFP
Fire Detection Systems

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Fire Detection Systems

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Intelligent

Analogue Addressable Fire Detection

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Conventional

Conventional Fire Detection

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IS
Intrinsically Safe

Intrinsically Safe & Explosion Proof

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Hybrid Wireless Detection

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- Wall Beacons



L@titude
Life Safety Platform

The all new Latitude product range of fire alarm control equipment combines the very latest hardware and software to produce a control and indication system, which is powerful and sophisticated,yet simple to use and understand.

www.hochikieurope.com/latitude

L@titude Overview

Life Safety Platform

The all new Latitude product range of fire alarm control equipment combines the very latest hardware and software to produce a control and indication system, which is powerful and sophisticated, yet simple to use and understand.

The flexibility of the Latitude platform is such that it can be re-configured to realise many other control and indication applications, with direct integration into intelligent buildings.

Moving away from the simple, price driven competitive model used by most manufacturers today, the Latitude concept is designed to add value to System Designer, Integrator, Service provider and the end user.

Developed from the “ground up” by Hochiki’s leading design team and using some of the most advanced technology available, Latitude is designed as one of the most powerful, intelligent and technically robust fire alarm products available.

Not only do the products and services offered under the Latitude brand provide solutions to the most technically challenging applications in life safety, Latitude will deliver added value, market advantage and a competitive edge to your business.

The modular nature of the Latitude system allows all field wiring to be connected to a passive mother board enabling addition, re-configuration or replacement of all electronic hardware without the need to disconnect any field wiring.

This modularity also allows each panel to be customised with addressable loop detection circuits, conventional detection circuits, relay cards, additional sounder outputs or programmable I/O modules as required.

Each 2 loop module slot can be fitted with a variety of option boards to provide alternative functionality. These modules include:

- 8 zone conventional detection board
- 4 way sounder output board
- 8 way volt free relay contact board
- 16 channel programmable I/O board with digital inputs and open collector outputs
- Media Gateway communications board
- Latitude Network Card (connect Latitude to your existing HFP network).

By taking advantage of the unique user interface it is possible to further customise the control panel so it can meet specific alternative requirements such as local regional variances, alternative additional functionality or corporate livery.

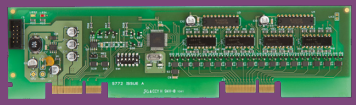
Although this level of customisation is not generally a user feature, the architecture of the Latitude control system makes customisation almost limitless.



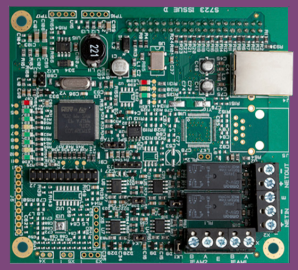
Latitude Analogue Addressable
2-16 Loop Control Panel



Selection of I/O Boards



VR Latitude Media Gateway



Latitude Network Card



Latitude 2-16 Loop Control Panel

L@titude
Life Safety Platform

Analogue Addressable 2-16 Loop Control Panel

With the increasing demands for power in fire detection and alarm systems, Latitude Fire control panels are well placed to meet current and future needs.

All panels are available with either a 5.25A, 24V power supply capable of charging up to 26Ah batteries or a 10.25A, 24V power supply capable of charging up to 45Ah batteries. Latitude Fire Panels can be supplied with a range of remote power supply units making the control panel smaller and easier to install.

Up to 500 milliamps is available for each detection loop allowing for a generous quantity of loop powered devices.

The four sounder circuits are each capable of supplying up to 2.5A at 24V to audio and audio visual devices (PSU dependant).

The addition of a Latitude Media Gateway communications device configured to report to the Virtual Resource servers and subscription to one or more Virtual Resource browser based software modules, allows systems to be managed remotely and from any location in a simple and efficient manner.

Latitude Media Gateway also provides the interface between control systems and other products and utilities such as PC graphics, Voyage State Recorder and a growing number of third party Latitude compatible products.

Configurable serial ports will allow connection to BMS systems using LonWorks, Modbus or BACnet protocols via our Vizulinx software.

Latitude fire systems are scalable with Latitude Net Enhances High Speed Networking. This allows up to 127 panels to be connected together as a fully fault tolerant networked system with rapid inter panel communications and up to 1.2km of standard two core fire resistant cabling between nodes.

Each panel can be configured to display all or any events from any other panel allowing master/slave, multiple master/slave or peer to peer configuration.

Sophisticated network analysis tools provide the ability to identify connection problems instantly and the commissioning mode allows individual panels to be prevented from transmitting events to the network while maintaining communications.

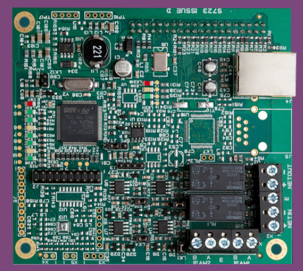
Adding a Latitude Network Card to your Latitude Panel or Latitude Network provides an interface between existing HFP and Latitude Control System providing backward compatibility and a unique upgrade path.

Features

- Compliant with EN54-2, EN54-4, EN54-13
- 2 to 8 loop or 2 to 16 loop versions
- 500mA loop current
- 4 programmable sounder circuits each rated at 2.5 A
- 5.25 A or 10.25 A, power supply options
- 3 programmable inputs
- 5 programmable relay outputs
- Hard wired fire and fault routing inputs and outputs
- Modular electronics
- Over 4000 sub address points per panel
- Option to “invert” inputs and outputs
- Powerful, standard configuration templates
- Network up to 127 panels
- Configurable via USB port to PC or memory stick
- 2 ancillary serial ports
- Up to 512 programme Input/ Output via optional u plug in and serially connected expansion cards.



Latitude Vision Network Repeater



Latitude Network Card



Multi Purpose Flushing Collar

L@titude
Life Safety Platform

Vision Network Repeater

Latitude Vision Network Repeater provides a means of allowing full display and optional control of the Latitude fire alarm control panel from a small and unobtrusive local control station.

Based on an all new hardware and software platform, the large, full colour graphical display with touch screen functionality, delivers information on the status of the fire alarm system to single or multiple locations.

Latitude Vision Network Repeater can be configured to offer full display and control to replicate the functionality of the fire control panel or to operate as a simple, display only device for applications where access to control the fire alarm system would be inappropriate.

For other annunciation and control applications, Latitude can be configured to provide customisable switches and indications for a host of fire system ancillary functions.

Latitude Vision Network Repeater may be connected to the fire control panels' fault tolerant network using fire rated cable offering flexibility in system wiring.

Available in several standard formats, Latitude can be mounted directly onto a wall, be recessed using our quick-fix adaptor frame or fully flush mounted. Special enclosure finish and colours are also available to match existing decor.

Features

- Robust, full colour, 7" 800 x 480 touch screen graphical display
- Full indication of all information displayed at the fire control panel
- Automatic display brightness adjustment
- (Silenceable) internal sounder
- Connections Via:
    - Option to connect to control panel network
- Low current, 24 VDC powered
- Slim compact construction
- Configurable functionality
- Configurable languages
- Optional Enable Key-switch.



Latitude Configuration Software

L@titude Configure
Life Safety Platform

Loop Explorer 2 (LE2) Configuration Software

To compliment the new, market leading range of control systems. Virtual Resource is the powerful central processor and extensive on board expandable memory in the Latitude Fire control system, allows demanding configuration options and thousands of cause and effects to be processed quickly and efficiently.

Logical operators such as COINCIDENCE, AND, OR, NOT, TIME OF DAY and INTERVAL TIME along with the ability to group inputs and outputs into collections other than zones and the capability to configure up to 2000 zones produces a system capable of fulfilling in the most demanding of control applications.

A standard USB port allows configurations stored on a USB memory stick to be loaded to the control panel without the use of a PC.

The HFP Loop Explorer 2, PC configuration software provides a familiar, simple to use PC application with the power to produce the most complex configurations via an easy to use and intuitive interface.

Maintain the look and feel of the industry leading original HFP Loop Explorer 1 configuration utility, HFP Loop Explorer 2 is itself highly configurable allowing customisation of languages, colour schemes and company logos and allowing exposure to single or multiple device databases to be set for each user.

Additional logical operations for NOT and TIME functions for use in cause and effects and the inclusion of “groups” (collections of devices not necessarily in the same zone) increase the power and flexibility of HFP Loop Explorer 2 to far beyond what was achievable with its forerunner and most other products currently on the market.

Powerful standard templates allow rapid configuration of common fire system configurations for applications such as high rise buildings or alarm verification from hotel rooms.

Cause and effect processing power is now practically limitless allowing the configuration of large, complex networks with ease. Access to HFP Loop Explorer 2 is via a secure web server, so users with the appropriate credentials have permanent access to the latest version ensuring that the most recent enhancements are always available.

HFP Loop Explorer 2 can be customised by the user so that language or specific terminology can be set as defaults for all systems that are configured using HFP Loop Explorer 2. Custom changes are stored on our servers, once more ensuring that all authorised users have access to the latest customised versions.

For added convenience, Latitude Virtual Resource subscribers can store HFP Loop Explorer 2 configuration files on our secure servers ensuring that the site configuration is always backed up and available to users with the appropriate access rights.

Features

- Based on the industry leading HFP Loop Explorer
- Delivered and managed via the new Latitude.com website
- No more out of date version in circulation
- Many new features and benefits
    - Time Manager
    - Group Manager
- Up to 5000 Cause and Effect options
- Additional C & E operators
- “Not” and Time
- Powerful templates
- Favourite device tab
- Language support.



Latitude Configuration Software

L@titude Vizulinx
Life Safety Platform

Fire Alarm Management Solution

Highly configurable using an embedded web server and EZ configuration wizard Vizulinx provides a whole range of options for remote monitoring and system integration of Hochiki fire alarm systems.

SMS text messaging can be provided using LAN or USB GSM connectivity. E-mail messaging can be provided using LAN or USB GSM/Wi-Fi connectivity. Both communication methods can provide immediate notification to managers, staff, maintenance and service engineers of a change in panel status i.e. alarm, fault etc. wherever they are. Earlier notification enables a more effective response which can reduce system downtime and improve false alarm management.

Format of e-mail and SMS messages are user configurable, information shown in the message can be customised as required.

Integration of Hochiki fire alarm systems with other building equipment such as controllers for ventilation, lifts etc. is essential and Vizulinx provides easily configurable solutions using Modbus TCP/IP or BACnet IP protocols.

Vizulinx enables Hochiki fire alarm systems to send status messages to other equipment which are part of Building Management (BMS) or Building Automation and Control systems using the above protocols.

Modbus

Up to 9999 Modbus addresses can be configured on Vizulinx relating to Panel, Zone and Loop device status. For addressable systems 500 Panel addresses, 500 zone addresses and 1000 pre-configured loop device addresses are provided free with the Vizulinx module.

Additional Modbus addresses can be unlocked on the Vizulinx module by purchase of a Modbus license update code, each license will unlock an additional 1000 Modbus addresses.

BACnet

Uses Object IDs to identify panels, zones and devices, on a BACnet protocol network. Vizulinx provides 2000 zone object IDs, 128 panel object IDs and 500 object IDs for loop devices (Separate Object IDs are allocated to addresses and sub-addresses).

Additional object IDs for loop addresses and sub-addresses can be unlocked by purchase of a BACnet upgrade license code, each license code will provide an additional 500 object IDs (BACnet currently available for Latitude systems only).

Features

- Multi-functional gateway for use with Hochiki fire alarm systems
- Configuration through embedded web server - no additional software required
- EZ configuration feature enables quick and easy starting setup
- Remote notification of fire alarm system status/events via e-mail or SMS
- SMS and E-mail messages are user customisable to suit requirements
- Easy register/unregister for SMS notifications
- System integration capabilities via Modbus TCP/IP or BACnet IP protocols*
- Downloadable diagnostic information
- Field upgradeable firmware
- Operates on a AM3354 CPU 300-800 Mhz Processor / 512 MB RAM / USB port supports third party dongles for GSM and Wi-Fi connectivity
- Compatible with the current range of addressable and conventional panels using IP, Serial or GPIO connectivity.

*BACnet support currently only available for Latitude systems

L@titude Connection Diagram

Life Safety Platform

Initial Setup and Expandability Guide

Latitude Addressable Control Panel
2 - 8 Loop / 2 - 16 Loop



Comes as standard with:

1 Loop Card
(2 Loops per card)



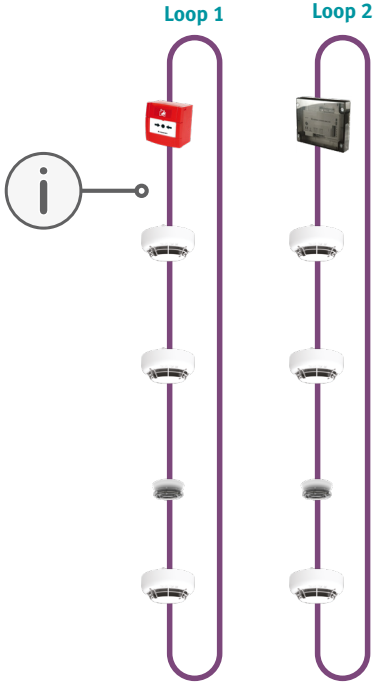
With space for up to 4 Loop Cards
(each card provides 2 Loops)



Network Card allows 127 Latitude Repeaters/Panels to be added to the network.



Media Gateway card allows connection to VR Nimbus, Vizulinx and L@ti-view*2



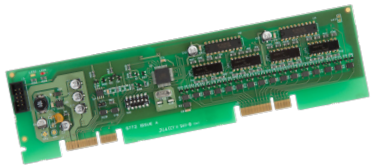
Each loop is capable of hosting upto 127*1 addresses

*1 Future updates planned *2 BMS systems using LonWorks, Modbus or BACnet protocols coming soon.

L@titude Modules

Life Safety Platform

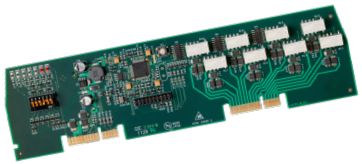
Easy Plug-In Expasions



16 Channel I/O Module

To add more I/O capability to the Latitude control panel

- 16 channels
- Each channel configurable as input or output
- Inputs opto-isolated
- Outputs open collector transistor
- Simple 2 wire connection to control panel
- Up to 32 boards supported per panel (512 Input/Output Channels)
- Inputs and outputs configurable as per field devices
- Full cause and effects on all inputs and outputs
- Multi drop RS485 communications
- Can be used with other HFP I/O modules on the same panel
- Compatible with HFP AS panels.



8 Way Relay Extender Module

Additional relay output capability can be added using HFP relay boards.

- 8 volt free changeover relay contacts (1AMP 30V DC)
- Relay operated indications
- Remote connection to panel via RS485 serial bus
- Common footprint to other HFP I/O board types
- All outputs programmable for cause and effects
- Can be used with other HFP I/O modules on the same panel
- Compatible with HFP AS panels.



8 Way Conventional Detection Zone Module

Four conventional detection circuits can be connected with up to 30 detectors per circuit.

- 4 monitored detection zone inputs
- 2 monitored sounder outputs
- Volt free fire contact
- Local power supply fault input
- RS485 comms connection to HFP Fire Alarm Panel
- Individual fault and operated indications for inputs and outputs
- Directly replaces a conventional control panel when integrating into an analogue addressable system
- Can be used with other HFP I/O modules on the same panel
- Compatible with HFP AS panels.



4 Way Sounder Extender Module

Additional sounder output capability can be added using HFP sounder boards.

- 6 individually fused and monitored sounder outputs
- Fault and operated indications
- 2 opto-isolated general purpose inputs
- 2 volt free contact general purpose outputs
- Remote connection to panel via RS485 serial bus
- Common footprint to other HFP I/O board types
- All outputs and inputs programmable for cause and effects
- Can be used with other HFP I/O modules on the same panel
- Compatible with HFP AS panels.

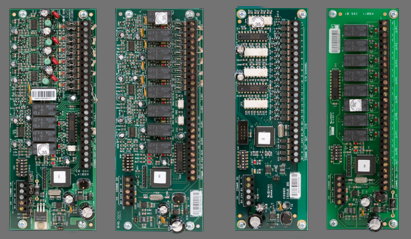


Fault Tolerant Network Module

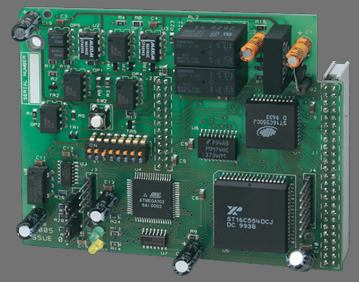
Allows further enhancement by connecting control panels and repeaters using high integrity network

- Up to 127 nodes
- High integrity protocol
- Fully secure against short or open circuit faults
- Simple 2-wire loop connection
- Supports open ended networks for retrofit applications
- Repeaters share network connection
- Network wide test and disablement functions
- Network wide cause and effect logic
- Flexible configuration options
- Panels configurable to act on network events or not as required
- Hochiki panels supported on single network.





Selection of I/O boards



HFP Network Card

HFP AP-AS

HFP Fire Detection Systems

AP-AS

Analogue Addressable 1-2 Loop Control Panels

The HFP AP-AS is a powerful and versatile Single or Two Loop Analogue Addressable Fire Control Panel. HFP AP-AS supports Hochiki ESP loop drivers, which are all capable of providing up to 400 milliamps of loop current for the most demanding applications.

An integral 3 Amp power supply and temperature compensated battery charger provides ample power for the two, 1 Amp rated standard sounder outputs, loop powered sounders and other devices.

HFP AP-AS is also available as a HFP AP-ASL version offering a very cost effective solution for smaller standalone installations requiring only one detection loop.

THE HFP AP-ASL version does not support the following: Second loop, Printer output, Networking and connection of I/O boards or the HFP AP-CRL repeater.

Connectivity

HF AP-AS connects seamlessly to other HFP AS, or HFP multi loop panels and repeaters via the fully fault tolerant and robust HFP network. The HFP AP-AS supports all HFP serial bus peripherals such as HFP AP-CRL repeaters, 16 channel I/O boards, Relay boards, Sounder boards and Conventional Zone boards to provide an additional 512, fully programmable points. 16 zonal LED indicators are provided as standard and the panel will support up to 500 network wide software zone as per HFP multi loop panels.

Software

Programming, including powerful cause and effect functionality can be achieved using the intuitive HFP loop Explorer configuration utility familiar to HFP panels users. The new HFP Loop Explorer 2 will also support all of the HFP AP product family.

The Guide graphics system or a modem for remote3 system interrogation by telephone lines may also be connected to HFP AS Panels via the RS232 serial connection.

Installation

The elegant and simple construction of the panel enables the chassis to be completely dismantled by removing just two screws. The outer cover can also be detached by removing two hinge pins making first fix installation very simple and enabling the sensitive electronic parts to be stored safely for re-fitting at the commissioning stage.

Housed in the same installer-friendly and attractively styled enclosure as the popular HFP CP (Conventional) and HFP CP-XT (Extinguishant) range of fire control panels, HFP AP-AS combines compact and practical styling with the programming power and connectivity normally associated with much larger systems.

Features

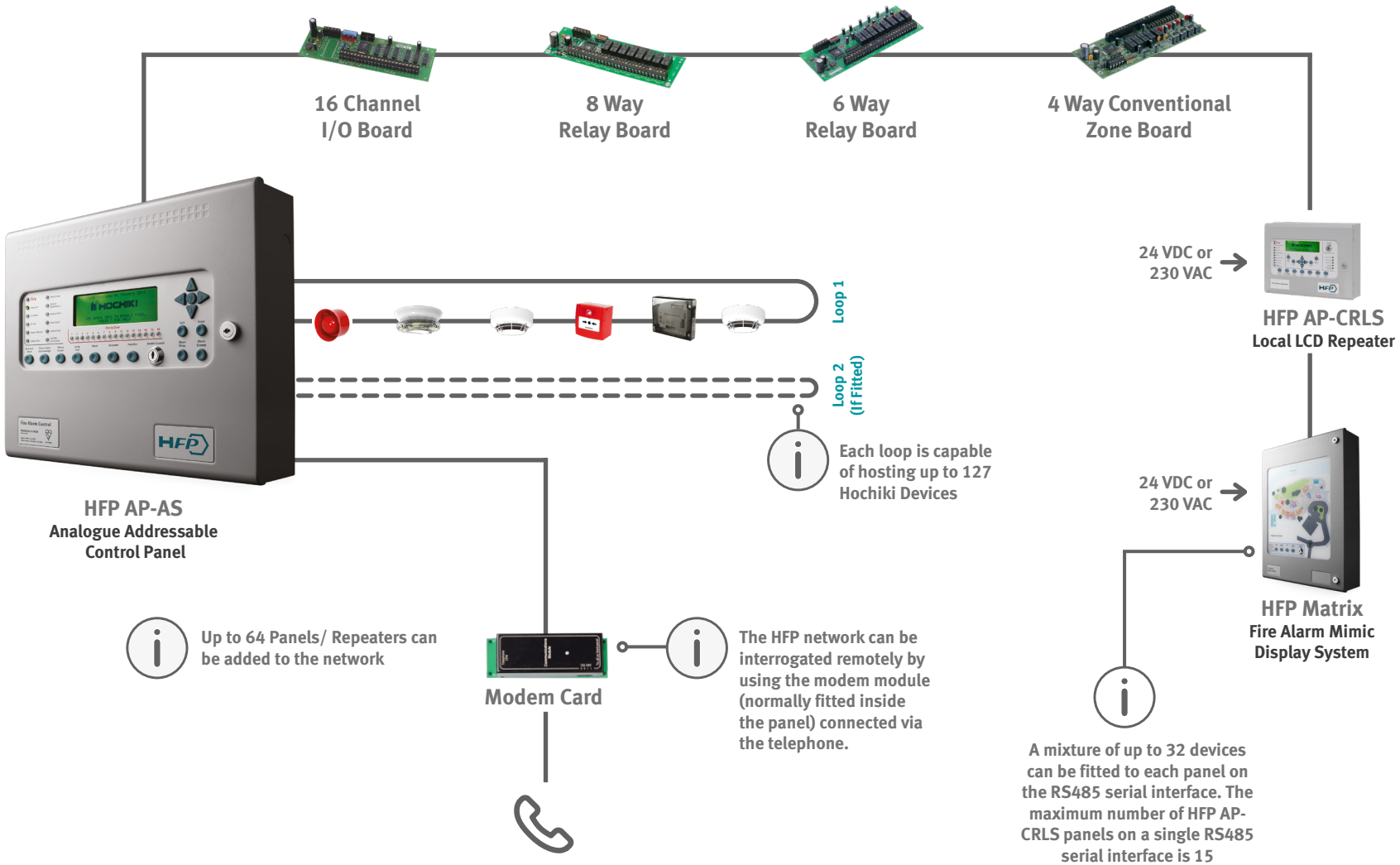
- 16 zonal LED indicators
- 2 programmable sounder circuits
- 3 programmable relays
- 3A power supply
- Large graphic display
- Expandable from 1 to 2 loops*
- Certified to EN54-2/ EN54-4
- Up to 512 additional programmable I/O via HFP I/O modules*
- Stores 500 last events in event log
- Dial up modem connection available
- Compact, stylish enclosure
- Different language and character set variants available
- Real time clock
- 5 programmable inputs
- Installer friendly, removable equipment chassis
- Sensitivity adjustment and Drift Compensation
- Compatible with HFP and HFP AP-CRL repeaters*
- Can be networked with HFP - control panels *
- Fully EN54-2 and EN54-4 compliant improved front loading Printer option* **
- Powerful, network wide cause & effects*

*These items not available on HFP ASL panel. ** Can be fitted to M3 size enclosure only

AP Network Diagram

Fire Detection Systems

High Integrity Configurable Network Guide



K555 Network Card

Fire Detection Systems

HFP Networking Card

The flexibility of the HFP system can be further enhanced by connecting control panels and repeaters together using a high integrity network.

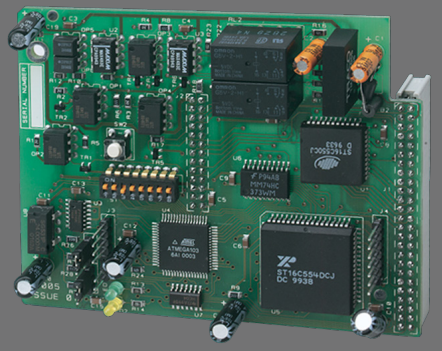
A simple 2-wire connection between eachpanel allows events to be transmitted to other parts of the system to provide indication or control on a system wide basis. Using the Loop Explorer configuration programme, up to 64 nodes can be programmed to respond in a variety of ways to any system events as required.

This flexibility extends the comprehensive cause and effect programming capability of control panels to the entire network allowing actions, test modes or disablements to be started from any point.

The fault tolerance of the network is such that any single open or short circuit fault will not result in any loss of information. Multiple faults are isolated and the network breaks into smaller networks which continue to work autonomously.

Features

- Up to 64 nodes
- High integrity protocol
- Fully secure against short or open circuit faults
- Simple 2-wire loop connection
- Repeaters share network connection
- Network wide test and disablement functions
- Network wide cause and effect logic
- Flexible configuration options
- Panels configurable to act on network events or not as required
- Multiple panels supported on single network.



HFP Network Card

Flexible network configuration options using simple to follow PC configuration programme.

Two core loop wiring ensures network integrity by providing full isolation of faulty wiring segments.


Fire
Power On
Pre-Alarm
Fire Routing On
On Test
Buzzer Silenced
Delay Active
More Events
General Disablement
23:48 Thursday 01 January 2014
HOCHIKI
USE ARROW KEYS TO ENABLE PANEL
PRESS ? FOR HELP
Enable Control
More Fires
Exit
Enter
More Events
General Fault
Power Fault
System Fault
Sounder Fault/Disabled
Fire Routing Fault/Disabled
Re-Sound Alarm
Silence Alarm (Acknowledge)
Silence Buzzer
Lamp Test
Reset
Function One
Function Two
Fire Alarm Repeater
HFP

HFP AP-CRLS

HFP Fire Detection Systems

Repeater

Analogue Addressable Fire Control Panel Repeater

HFP AP-CRLS

Local LCD Control Repeater

The HFP AP-CRLS fire alarm repeater provides an alternative to HFP AP-PRNS network connected repeaters and provides a cost effective, simple and convenient method of extending the controls and indications of the HFP fire alarm control panel to other locations.

The larger, graphic LCD, brightness LED indicators and full set of controls duplicate the indications and controls on the HFP fire alarm control panel at up to 15 additional locations via a (separate to the HFP network) simple, two wire serial data connection.

Ideal for locations where a control and indication point smaller than a full fire alarm control panel is required the HFP AP-CRLS is available in either a 24 VDC powered option (which can be powered via an additional 2 cores from the HFP control panel auxiliary 24 VDC supply) or a 230V power option with local battery back up.

Peripherals

HFP AP-CRLS Local LCD Control Repeater

- Semi-Flush Mounting
- Power Supply 750mA
- Access Enable Key-switch

For our full list of Panels download your HFP Price list from www.hochikieurope.com



HFP AP-MATRIX



W: 385mm x H:310mm x D:90mm



W: 500mm x H:355mm x D:117mm



W: 385mm x H:520mm x D:110mm



W: 500mm x H:650mm x D:137mm

HFP AP-MATRIX

Fire Detection Systems

Intelligent Local LCD Control Panel Repeaters

HFP AP-Matrix

The addressable Matrix system uses flexible, fibre optic light guides to illuminate areas on a floor plan, laid over a high-resolution grid. This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for any wiring. Ideal for buildings such as hospitals where the building layout may evolve over a period. As the building changes, so too can the addressable Matrix, with very little cost or disruption.

The addressable Matrix can be supplied with or without common LEDs and controls. Optional LEDs indicate Power on, Fire, Fault and Disablement and optional controls are for Alarm silence, Buzzer silence, Lamp test and Reset. It provides a clear, geographical indication of fire alarm or other system activation enabling speedy identification of the source of an alarm or other events.

Where the requirements of the installation exceed the standard range of addressable Matrix panels, completely bespoke solutions are available. The enclosure size, mimic viewing area, colour and finish can all be tailored for the individual requirements of the site, including the option of surface or flush construction.

Up to 32 mimic PCB's can be connected to a single HFP-AP-AS or Latitude Fire panel giving a total of 504 LED's that can be individually configured via the standard loop explorer configuration software. To increase the flexibility of this product further, the LED extension boards are available in with yellow or green indicators fitted.

Features

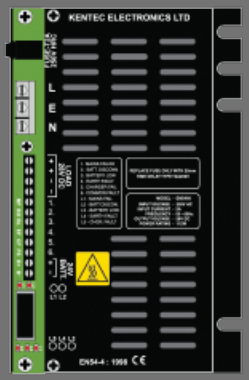
- Up to 504 LED's can be controlled from any Taktis Fire or Syncro AS panel
- Full colour printing
- Available in a range of standard enclosures to suit any applications
- Bespoke sized units can be made upon request
- Choice of Red, Green or Yellow LED's
- Available with or without controls
- The addressable Matrix can easily be upgraded on site with minimal cost and effort
- EN54-4 approved PSU (optional)
- Configured via standard Loop Explorer Software.



MARINE ASM



Detectors & Devices



Marine PSU

MARINE ASM

Marine & Offshore Analogue Addressable 1-2 Loop Control Panel

Based upon the popular HFP single and two loop analogue addressable fire control panel, the MARINE-ASM is certified with a host of classification societies and is Marine Equipment Directive approved.

MARINE-ASM provides a cost effective and scalable solution for all marine fire alarm systems.

Up to 64 MARINE-ASM control panels may be networked to provide integrated control and indication of over 16000 fire alarm points.

The optional Voyage Data Recorder interface outputs standard NMEA 0183 protocol and can be fitted inside any control panel on the network.

Suitable for all small to medium sized vessels, MARINE-ASM control panels can be expanded and networked to become part of much larger networks

With its large graphical display and ergonomic buttons and indicator layout, the MARINE-ASM control panel is simple and straight forward to understand for installers, commissioning engineers and end users alike

Features

- 16 zonal LED indicators
- 2 programmable sounder circuits
- 5 programmable inputs
- 3 programmable relays
- 3A power supply
- Large graphic display
- Real time clock
- Powerful, network wide cause and effects
- Sensitivity adjustment and Drift Compensation
- Hochiki protocol
- Same look and feel as HFP range
- Stores 500 last events in event log
- Compact, stylish enclosure
- Installer friendly, removable equipment chassis
- Different language and character set variants available
- Fully EN54-2 and EN54-4 compliant.



HFP XT+



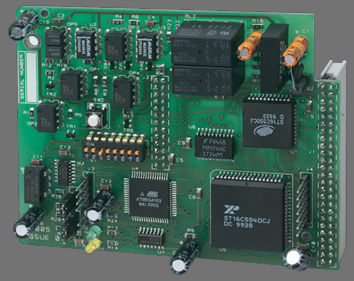
HFP Abort Unit



HFP Manual Mode Switch



HFP Extinguishant Status & Ancillary Units



HFP Network Card

HFP XT+

Fire Detection Systems

Addressable Extinguishant Control Panel Multi-Area

HFP-XT+ control panels are multi-area extinguishant control panels complying with EN12094-1, EN54-2 and EN54-4.

Up to 16 zones of addressable detection over 1 or 2 loops are available for extinguishant release. Up to 4 extinguishant areas are available.

Stand alone extinguishant control units are also available with 2 monitored inputs to receive initiating signals from remote fire detection control panels or addressable modules.

Each extinguishant area has a comprehensive set of inputs and outputs and is configurable via a simple programming interface. All extinguishant areas may have up to 7, serially connected status indication and control units or ancillary relay boards connected via a simple 4 core cable.

Features

- Approved to EN12094-1, EN54-2 and EN54-4
- 16 detection zones
- Up to 4 extinguishant areas
- First and second stage sounder outputs for each area
- First and second stage volt free changeover contacts for each area
- Released volt free contact per area
- Fault volt free contact per area
- Programmable extinguishant delays
- Dual extinguishant outputs for each area (configurable as Main/Reserve)
- Programmable output duration
- Countdown indicator shows time until release in seconds
- Mode select and manual release controls per area
- Monitored remote manual release input
- Monitored remote hold input
- Monitored remote mode select (door interlock) input
- Monitored remote released pressure switch input
- Monitored Abort input



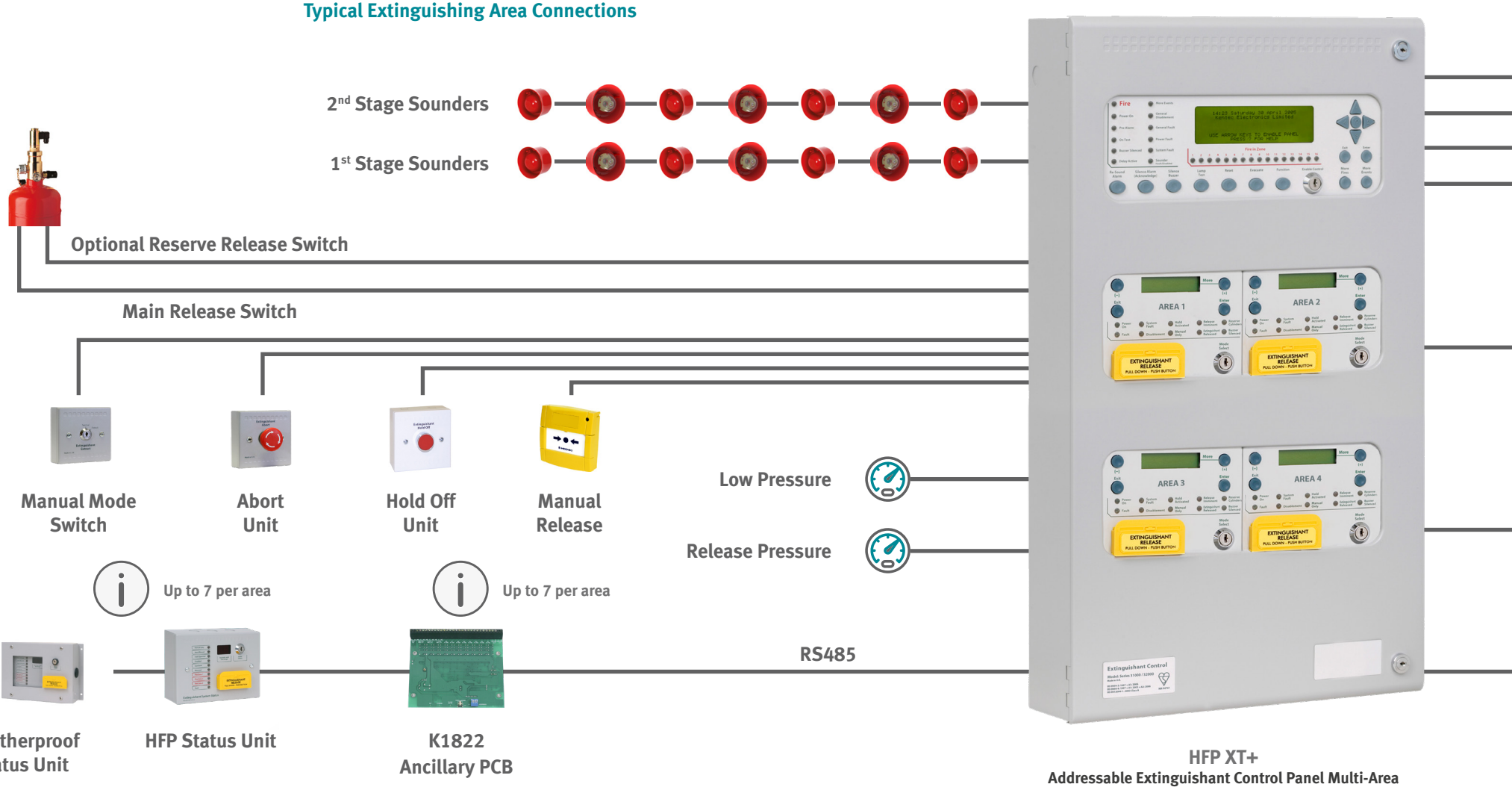
Vizulinx Fire Alarm Management Solution

Vizulinx is a fire alarm management solution which enables you to monitor your fire systems remotely.

Highly configurable using an embedded web server and simple configuration wizard, it can be used to pass fire system events via e-mail, SMS, Modbus and message format using an IP connection.

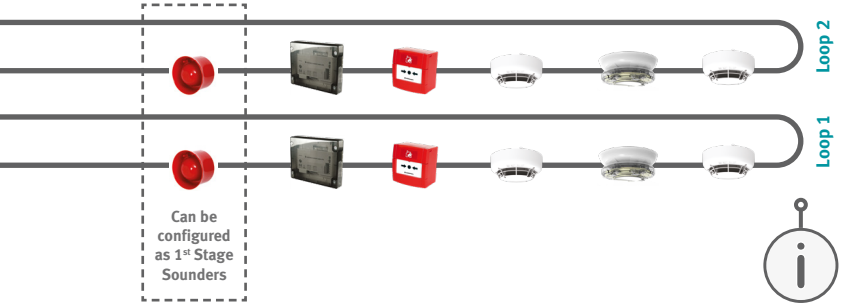
XT+ Connection Diagram

Typical Extinguishing Area Connections



HFP XT+
Addressable Extinguishant Control Panel Multi-Area

Fire Area Connections



Each loop is capable of hosting up to 127 Hochiki Devices

Up to 64 Panels/ Repeaters can be added to the network



HFP Network Card required

HFP Matrix
Fire Alarm Mimic Display System



HFP IDENT
Programmable LED Indication Panels



HFP AP-CRLS
Local LCD Repeater



RS485



16 Channel I/O Board



8 Way Relay Board



6 Way Relay Board



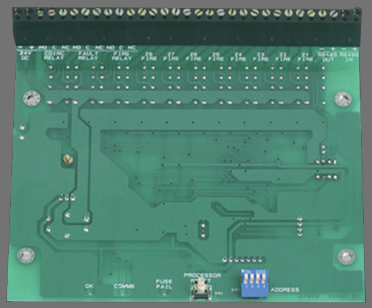
4 Way Conventional Zone Board



HFP CP



HFP CP-R Repeater Panel



HFP CP Ancillary



Sounder Controller Units

HFP CP

Fire Detection Systems

Conventional Fire Alarm Control Panel

The HFP CP range of conventional fire control panels are high specification, fully featured control units designed for the most demanding of conventional fire detection and alarm system applications.

HFP CP is available with two, four or eight detection zones in standard or installation saving, “two wire” versions. The extensive range of configuration features available ensure suitability for new installations or panel replacements on older systems.

Configuration options are stored in non volatile memory and are easily accessed via an intuitive user interface which allows the configuration data to be viewed and changed simply and easily.

HFP CP control panels are compatible with most standard, conventional detectors, call points and sounders and are also compatible with “two wire” detector bases from Hochiki.

An integral three Amp power supply and temperature compensated battery charger provides ample power for the two, 0.5Amp rated standard sounder outputs, zonal sounder outputs on “two wire” versions and an auxiliary 24V supply output.

Powerful Features

The simple and intuitive programming interface on HFP CP panels allows simple configuration of many parameters by entering simple codes which are listed on the inner door look up table and in the operation and maintenance manual. Configurable options include sounder delays, short circuit triggering of zones, non latching zones, silent zones, I.S. barrier compatible zones and system disablements.

Connectivity

HFP CP control panels have a dedicated; serial bus for connection of repeater panels, Ancillary relay boards or zonal sounder extension boards. Up to seven units may be connected to the serial bus which can be up to 1200 metres in length. All units connected to the serial bus are fully monitored and the control panel will announce a fault condition showing the address and type of any units that fail or are disconnected after the panel has been configured to recognize them.

“Two wire” versions of HFP CP can have detectors, call points and standard, polarized sounders connected to the same two core cable, greatly reducing installation time and cost on some installations.

These “two wire” versions also provide the capability of zonal sounders which may be configured as zonal alarm (sounders operate only in the zone of activation), common alarm (all sounders in all zones operate) or two-stage alarm (sounders are continuous in the zone of activation and pulsing in all other zones).

Installation

The elegant and simple construction of the panel enables the chassis to be completely dismantled by removing just two screws. The outer cover can also be detached by removing two hinge pins making first fix installation very simple and enabling the sensitive electronic parts to be stored safely for re-fitting at the commissioning stage.

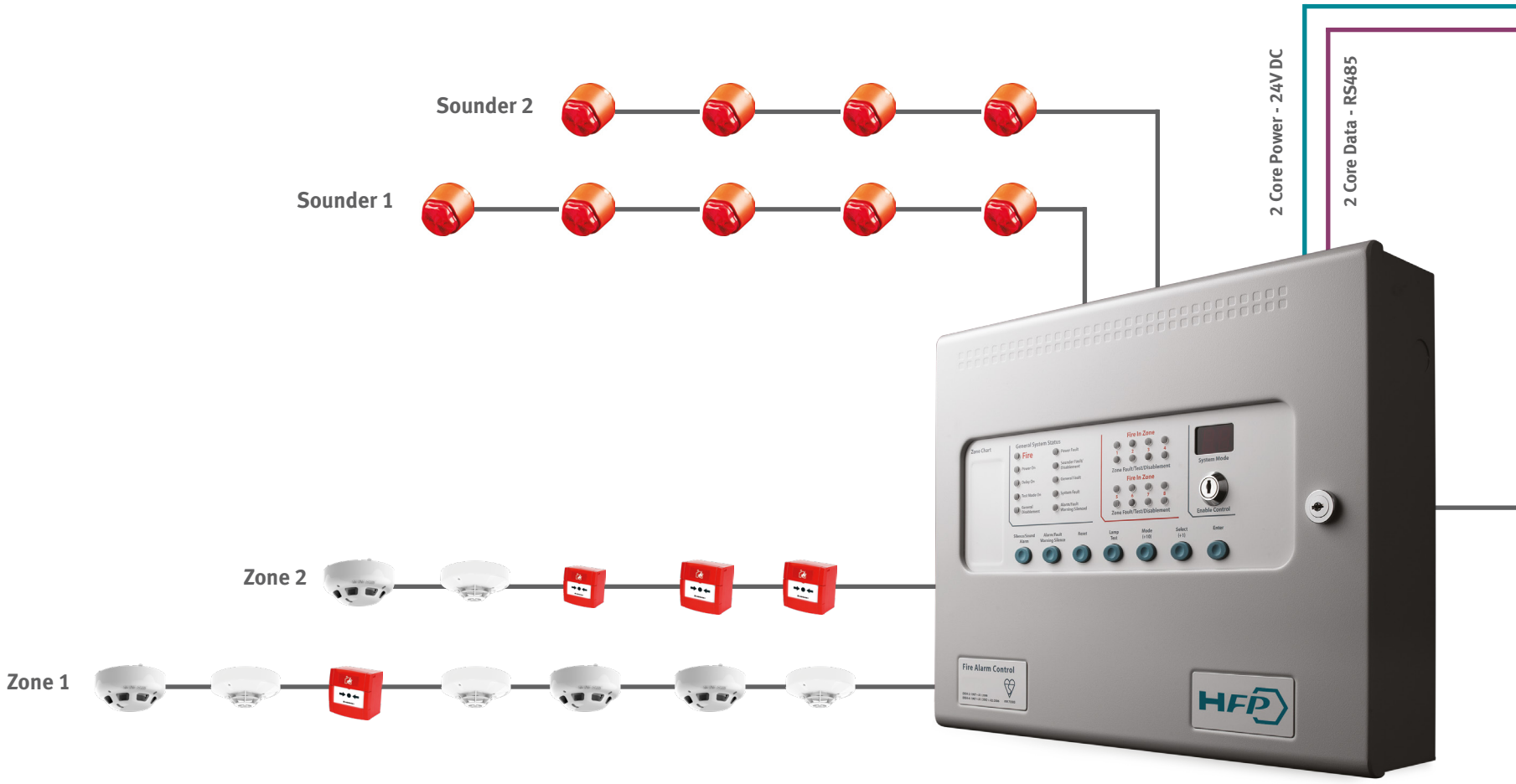
Housed in the same installer-friendly and attractively styled enclosure as the popular HFP CP (Conventional) and HFP CP-XT (Extinguishant) range of fire control panels, HFP AP-AS combines compact and practical styling with the programming power and connectivity normally associated with much larger systems.

Features

- Fully certified to BS EN54-2 and BS EN54-4
- 2-wire and standard versions in 2, 4 or 8 zones
- Compatible for use on BS5839: Part 1: 2013 installations
- 2-wire repeaters and ancillary boards
- Simple, single board construction
- Installer friendly
- Compatible with wide range of detection devices
- Two monitored sounder outputs
- 3 Amp power supply
- Auxiliary power output
- Fully programmable using simple menu options
  - Adjustable sounder delay time
  - Sounder configuration options
  - Silent zones
  - Zone input delay
  - Coincidence input selection
  - I.S. Barrier selection by zone
  - Short circuit fire by zone
  - Non latching zones
  - General panel configuration
  - Zonal sounder delay call detectors only
  - Zonal sounder delay call points only.

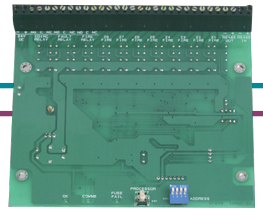
*These items not available on HFP ASL panel. ** Can be fitted to M3 size enclosure only

CP Connection Diagram

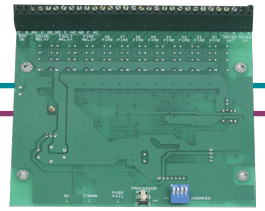




HFP CP -R (24)
Repeater Panel



Ancillary Board

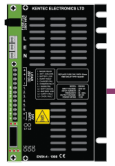


Ancillary Board

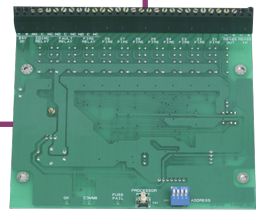


HFP CP - R (24)
Repeater Panel

Factory Controls



24V PSU



Sounder Board



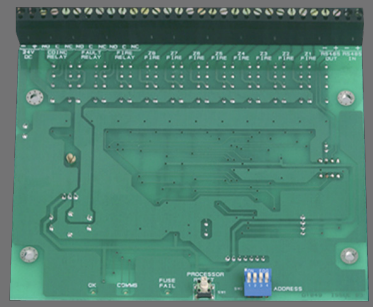
HFP CP-XT



HFP CP-XT Status Units



HFP CP-XT Hold Off Switch



HFP CP-XT Ancillary PCB

HFP

CP-XT

Fire Detection Systems

Extinguishant Control Panel

Designed and manufactured to the highest standards in a quality controlled environment, the HFP CP-XT extinguishant releasing panel offers outstanding value and performance for all small to medium fixed fire fighting installations.

With three detection zones as standard, extinguishant release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) any two from three type activations such as would be required for detection in ceiling void, room and floor void applications.

The extensive configuration options of the HFP CP-XT allow the functionality of the system to be extensively modified while still complying with the requirements of the controlling standards for the equipment.

The panel contains a large LED display to enable easy configuration and control which also displays the time remaining until extinguishant release for added user safety.

The countdown timer is duplicated on up to seven remote status units to provide local indication of the extinguishant system status. With all of the electronics mounted on a single, easily removable, steel plate HFP XT panels are both robust and easy to install.

Connectivity

To compliment the HFP CP-XT control panel there is a range of system status units.

Up to seven status units can be connected on a serial bus and require just two cores for data and two cores for power. Once connected, status units are supervised and the HFP CP-XT control panel will indicate a fault condition should any unit become disconnected.

Installation

The elegant and simple construction of the panel enables the chassis to be completely dismantled by removing just two screws. The outer cover can also be detached by removing two hinge pins making first fix installation very simple and enabling the sensitive electronic parts to be stored safely for re-fitting at the commissioning stage.

Features

- Approved to EN12094-1, EN54-2 and EN54-4
- Three detection zones as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage sounder delays
- Configurable detection delays
- Zero time delay upon manual release option
- Compatible with I.S. barriers
- Configurable extinguishant delays up to 60 seconds in 5 second steps
- Configurable extinguishant duration up to 5 minutes in 5 seconds steps
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control
- Non-latching zone input option to receive signals from other systems such as aspirating equipment.


Zone Chart
General System Status
Fire
Power On
Delay On
Test Mode On
General Disablement
Power Fault
Sounder Fault/ Disablement
General Fault
System Fault
Alarm/Fault Warning Silenced
Fire In Zone
Zone Fault/Test/Disablement
Fire In Zone
Zone Fault/Test/Disablement
System Mode
Enable Control
Silence/Sound Alarm
Alarm/Fault Warning Silence
Reset
Lamp Test
Mode (+10)
Select (+1)
Enter
AREA 1
AREA 2
More
Exit
Enter
Power On
System Fault
Hold Activated
Release Imminent
Reserve Cylinders
Fault
Disablement
Aborted
Extinguishant Released
Manual Only
EXTINGUISHANT RELEASE
PULL DOWN - PUSH BUTTON
Mode Select
Silence Buzzer
Silence Alarm
Reset
Enable Control
Extinguishant Control
Model: Series 21000
Made in U.K.
BS EN12094-1:2003 Class A
KM 96761
HFP

HFP CP-XT+

HFP CP-XT+

Fire Detection Systems

Extinguishant Control Panel Multi-Area

The HFP CP-XT+ range combines feature rich, HFP CP conventional fire detection from two to eight zones with highly configurable extinguishing control modules to provide an integrated control solution for extinguishing systems with up to four protected areas.

The fire detection section connects to the extinguishant control modules via a serial link which allows secure, bi-directional transfer of data between the two. HFP CP-XT+ modules may be mounted remotely in separate enclosures and connected to HFP CP panels via this serial interface to provide central fire detection and control with distributed extinguishing systems.

HFP CP-XT+ modules may also be mounted separately from fire detection and control equipment and activated by addressable output modules or volt free contacts from other systems via two monitored activation inputs.

The fire detection part of the system has all of the benefits of the popular HFP CP range with its many, easily accessed configuration options and compatibility with a wide range of detection devices.

The HFP CP-XT+ extinguishing modules set a new benchmark for extinguishing control panels. Each module is controlled by its own powerful micro controller bringing unparalleled intelligence and versatility to multi area extinguishing systems for the first time.

HFP CP-XT+ modules have inputs and outputs to cover all system requirements including individual, monitored first and second stage alarms and dual extinguishing outputs. The extinguishing outputs can be configured to operate together or as main and reserve for essential back up following a discharge. The can also be individually calibrated to provide true open and short circuit monitoring through pyrotechnic actuators or a wide range of solenoids.

Powerful Features

In addition to HFP CP-XT+ extinguishing modules, up to seven HFP CP ancillary boards providing zonal and common relay outputs and seven HFP CP sounder boards, each providing an additional eight, monitored sounder circuits can be connected to the HFP CP RS485 serial bus at up to 1200 metres from the control equipment.

Also, up to seven HFP CP-XT ancillary boards and seven HFP Si status units can be connected to each HFP CP-XT+ module to provide remote status indication, control and additional outputs as required at up to 1200 metres. This flexibility ensures that any system configuration can be realised with a minimum of cabling.

Installation

The simple construction of HFP CP-XT+ control panels utilises removable bridge plates for mounting all electronic assemblies. These bridge plates bring the terminals to the front of the enclosure providing easy access to all wiring terminals.

The outer door may be removed to further improve access by withdrawing the easily accessible hinge pins. This ensure clear access for wiring and protection of the electronic assemblies during installation.

Multiple knock-outs in the top, bottom, back and sides of the enclosures provide ample options for cable entries.

Features

- Fully certified to BS EN54-2 and BS EN54-4
- 2, 4 or 8 detection zones
- 1 to 4 extinguishant areas
- Fire and second stage sounder outputs for each area
- First and second stage volt free changeover contacts for each area
- Released volt free contact per area
- Fault volt free contact per area
- Programmable extinguishant delays
- Programmable output duration
- Extract fan control
- Countdown indicator shows time until release in seconds
- Mode select and manual release controls per area
- Monitored remote manual release input
- Monitored remote Hold input
- Monitored remote Mode select (door interlock) input
- Monitored remote Released pressure switch input
- Monitored remote Low Pressure switch input
- Monitored Abort input
- Dual extinguishant outputs for each area (configurable as Main/Reserve).


Extinguishant Hold Off
Made in U.K.
Manual Only
Auto/Manual
Hold Activated
Disabled
Imminent
Released
Seconds until Discharge
Mode Select
Fire Zone 1
Fire Zone 2
Fire Zone 3
Fault
EXTINGUISHANT RELEASE
PULL DOWN - PUSH BUTTON
Extinguishant System Status
Model: K911010 Made in U.K.
Model: K911110 Made in U.K.

HFP CP-XTSI

CP-XTSI

Fire Detection Systems

Extinguishant Status & Ancillary Units

Ancillary PCB Features

- Two wire serial connection
- Up to 7 per system
- 230V AC or 24 VDC powered versions
- Relay operated LED indicators
- Volt free relay outputs for fire and extinguishing system status

HFP CP-XTSI Overview

HFP CP-XTSI is a range of system status indicator units for use with Hochiki HFP XT and HFP XT+ extinguishant releasing control panels. The HFP CP-XTSI range of status indicators provide detailed status information for HFP XT and HFP XT+ extinguishant release control equipment.

All models provide high brightness, LED indication of Manual Only, Automatic and Manual, Hold operated Disabled, Imminent and Released conditions. Models are also available with zonal fire indicators and a common fault indicator.

For systems where local control of the Automatic/Manual mode and or a Manual extinguishant release control are required, units are available with these controls fitted.

All models have monitored inputs for the remote connection of Automatic/Manual mode and Hold switches and are provided with a large, LED display which shows a countdown of the time remaining until the extinguishant is released in seconds.

Hold Off Overview

HFP CP-XTSI Hold off units are available with red or green actuators (BS7273-1 recommends white with red button) and are mounted in a single gang, surface mounting enclosure. For flush mounting, the enclosure may be discarded and the unit mounted to a standard UK single gang electrical back box.

The unit has a durable, shrouded push button to prevent accidental operation and a simple 3 wire connection to HFP-XT, HFP-XT+ or HFP CP-XTSI status units is required.

HFP CP-XTSI Hold off units are fitted with normally open and normally closed contacts to allow operation with monitored and unmonitored systems.

Ancillary PCB Overview

The HFP CP-XT Ancillary PCB is compatible with HFP CP-XT and HFP CP-XT+ control panels. The board provides volt free normally open contacts allowing control of sub-systems and plant remotely from the main panel over a two wire data bus.

Mains powered, boxed Ancillary boards require only a two core data cable from the main control panel. 24 VDC versions require an additional two cores for power either from the main panel or from another 24 VDC source.

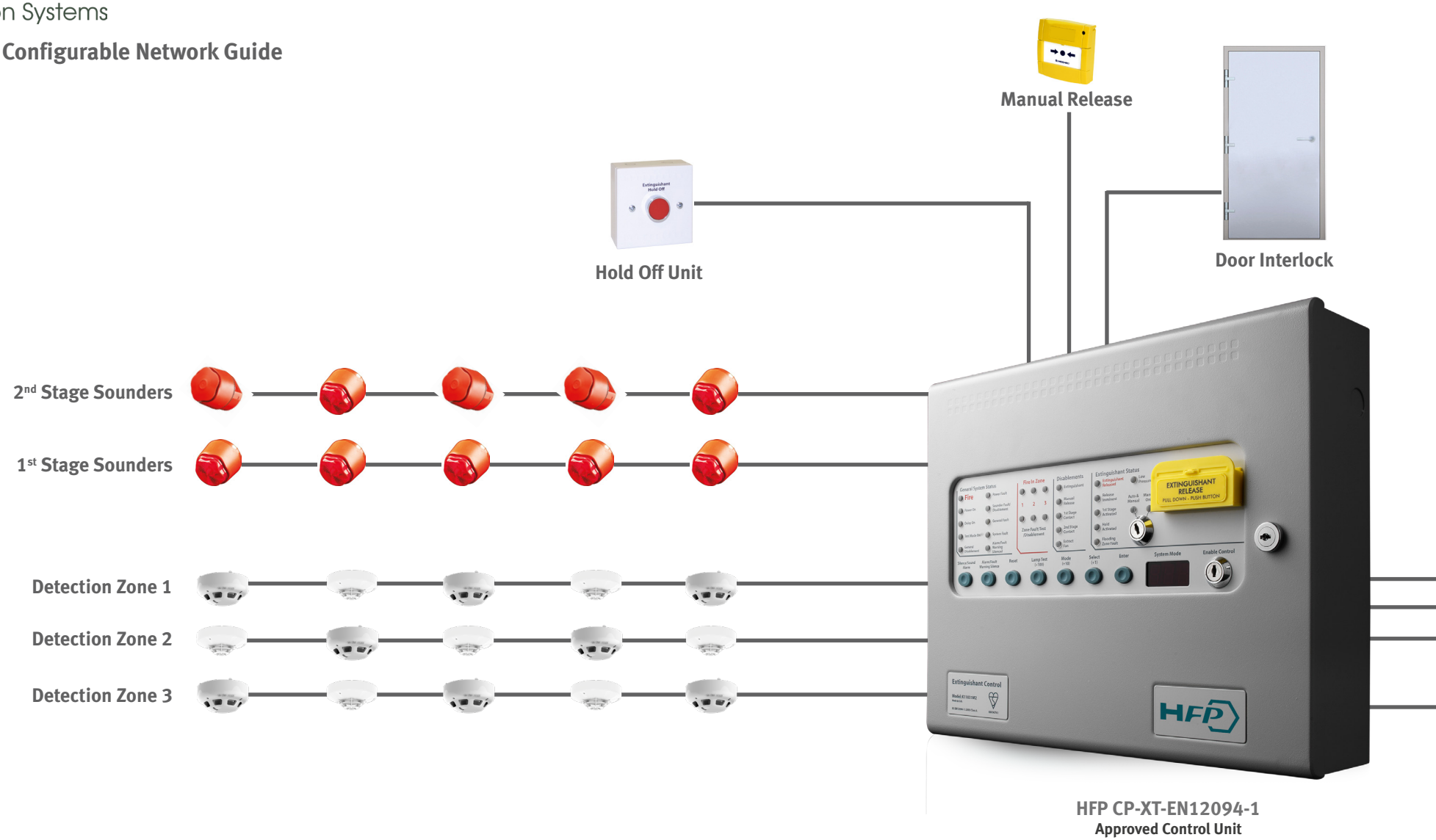
Up to 7 Ancillary boards can be connected to a control panel and each is allocated an address from 1 to 7 using a binary coded DIL switch. The total length of the data cable from the main panel to the last repeater can be up to 1200 metres.

A mixture of status units and Ancillary boards, up to a maximum of 7 of each type, can be connected to the serial data bus.

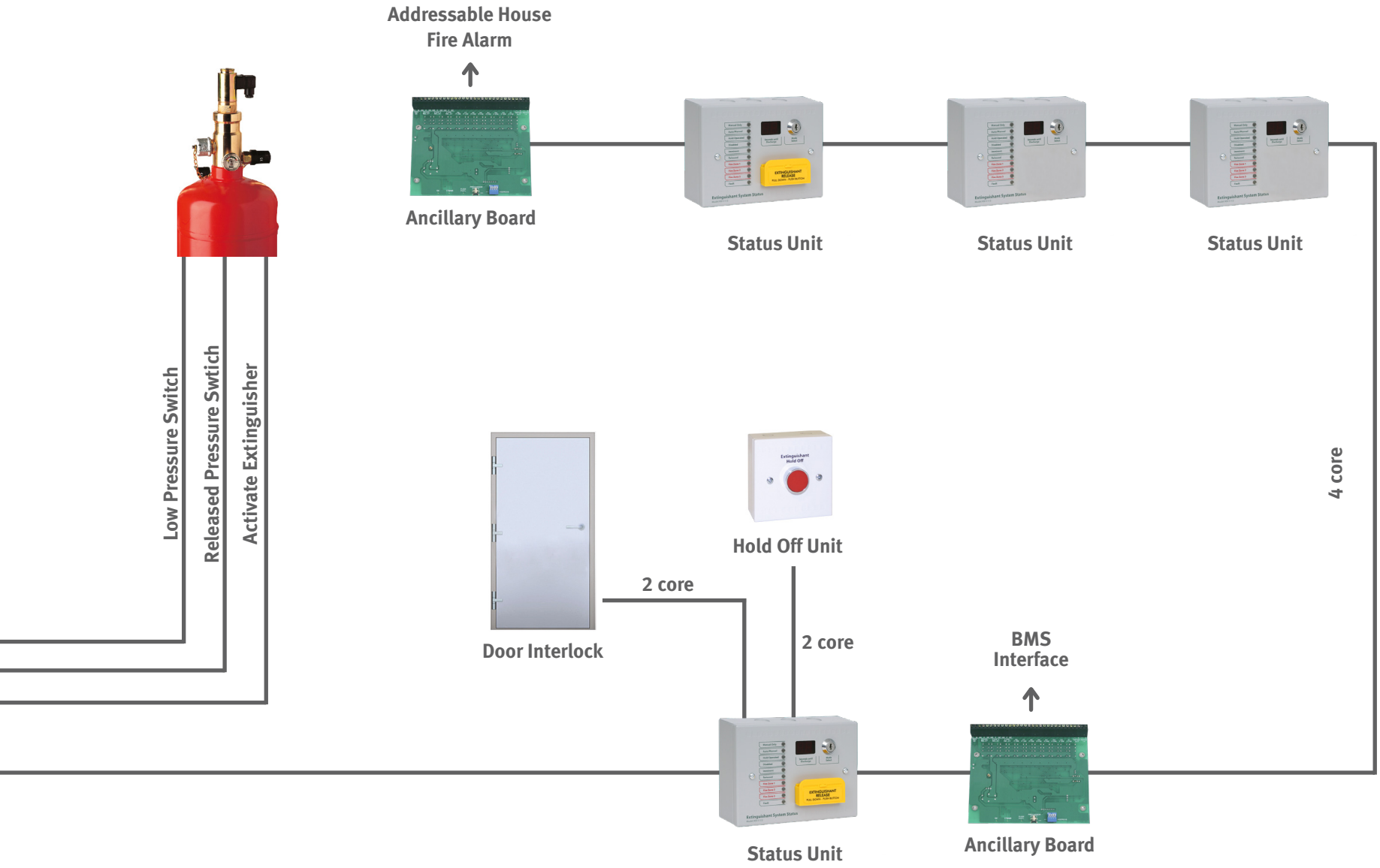
Features

- Approved to EN12094-1, EN54-2 and EN54-4
- 2, 4 or 8 detection zones
- Certified compliant with BS EN12094-1 when used with HFP CP-XT
- High brightness LEDs
- Detailed indication of the status of the control panel
- Monitored data connection
- Countdown timer shows time remaining until release
- Manual only and Automatic & Manual mode select key-switch option
- Protected dual action manual release switch option
- Four wire connection (data and power)
- Protected dual action manual release switch option
- Option for zonal fire and common fault indication with buzzer
- Robust, high quality enclosure
- Easy access to terminals
- Remote Auto/Manual door interlock input (monitored)
- Remote Hold input (monitored)
- Internal fault diagnosis indicators
- Weatherproof IP65 versions available
- Internal buzzer.

CP-XT Connection Diagram



HFP CP-XT-EN12094-1
Approved Control Unit

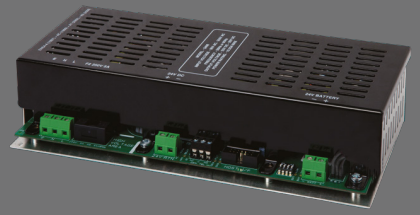

Addressable House
Fire Alarm
Ancillary Board
Status Unit
Status Unit
Status Unit
Low Pressure Switch
Released Pressure Swtich
Activate Extinguisher
4 core
Door Interlock
2 core
Hold Off Unit
2 core
BMS
Interface
Status Unit
Ancillary Board



HFP PSU



SO2014 - 2.5A PSU



S406 - 5.25A PSU

HFP Fire Detection Systems

PSU

Power Supplies

The HFP PSU range of 24 VDC power supplies are designed to meet the exacting requirements of fire detection and alarm systems and fire protection systems.

All models charge sealed lead acid batteries using sophisticated, temperature compensated charging and monitoring techniques to keep the batteries in the best possible condition.

Over depletion of batteries is prevented by a low battery voltage disconnection function which removes the load from the batteries when their terminal voltage reduces to a level which would damage them.

A low battery voltage fault warning is given when the batteries reach the minimum terminal voltage recommended by the battery manufacturers.

A high series resistance in the battery supply circuit which would allow the power supply output voltage to fall outside of the specified range is indicated as a fault condition.

All models are fitted with a dual output board to provide redundant power paths for fire alarm applications and are available in a range of enclosures to accommodate different battery sizes.

On-board LED indicators are provided to indicate the status of the unit and an on-board header is available to extend status signals to other systems volt free relay contact that operates upon any fault condition or total power failure.

Enclosures are designed to match both HFP AP and HFP CP fire panel ranges and are constructed from 1.2mm mild steel and are finished with epoxy powder coating.

The HFP PSU boxed range is available in the following power outputs:

- HFP PSU-2.5/12SS - 2.5A output and up to 12Ah batteries
- HFP PSU-5.25/26SS - 5.25A output and up to 26Ah batteries

Unboxed or caged power supplies for incorporation into other equipment are available as follows:

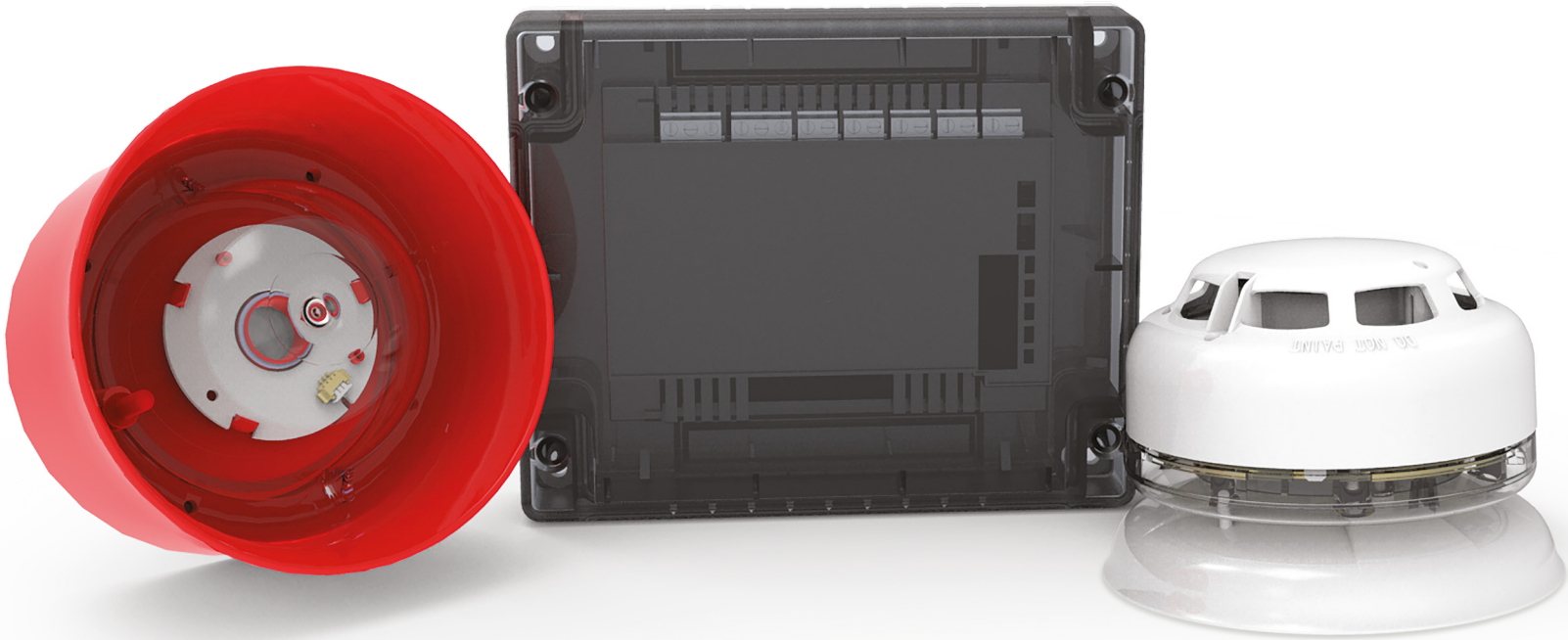
- S2014 - 2.5A output
- S406 - 5.25A output

ESP
Intelligent

Fire Detection

Hochiki's comprehensive ESP intelligent (Analogue Addressable range) is suitable for even the most demanding environments and incorporates high performance sensors, a wide selection of input and output modules and ancillaries. All products use Hochiki's high integrity digital communications link 'ESP' (Enhanced Systems Protocol) that's at the heart of the HFP range.

www.hochikieurope.com/esp





ALN-E(HFP)

A Optical Smoke Sensor incorporating Hochiki's unique High Performance Chamber which allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

- Removable, High Performance Chamber
- Twin fire LEDs allow 360° viewing
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- Approved by LPCB & VdS
- Polling/non-polling controlled from panel*[1]
- Addressed via TCH-B200 Hand Held Programmer.



ATJ-E(HFP)

A Multi-Heat Sensor incorporating a variable Fixed Temperature heat element and Rate Of Rise heat element, both controlled from the Control Panel allowing either thermal element or both elements simultaneously to be active in making the fire decision.

- User selectable modes
- Incorporates Fixed Temperature and Rate Of Rise Heat elements
- Twin fire LEDs allow 360° viewing
- Electronically addressed
- LPCB & VdS approved to Classes A, B & C
- Addressed via TCH-B200 Hand Held Programmer
- Polling/non-polling controlled from panel*[1].



ACC-E(HFP)

A Multi Sensor incorporating a thermal element and a High Performance photoelectric smoke chamber. Has three modes controlled from the Control Panel, allowing either the optical or thermal element or both to be active in making the fire decision.

- User selectable modes
- Incorporates Optical & Heat elements
- Removable, High Performance Chamber
- Twin fire LEDs allow 360° viewing
- Variable sensitivity
- Electronically addressed
- Addressed via TCH-B200 Hand Held Programmer
- Polling/non-polling controlled from panel*[1]
- Approved by LPCB.



ACD-E(HFP)

Addressable Multi Sensor with CO detection An addressable loop-powered multi-sensor, with smoke, heat and CO sensing elements. The unit offers 24 different modes of operation*[1] and seamlessly matches the other sensors in the HFP range. The CO sensing element can be used to detect smoke as well as life-threatening CO levels (acting as a CO alarm).

- User selectable modes
- Low profile
- Multiple modes
- Heat, Optical and CO sensing elements
- CO Alarm (COHb) facility
- Programmable fire threshold level
- 2 colour LED (Polling: Green, Fire: RED)
- RI & LED controllable separately if required*[1]
- Polling/non-polling controlled from panel*[1]
- Addressed via TCH-B200 Hand Held Programmer.
- Designed for up to 10 year's CO cell life*
- Fully monitored CO cell including end of life warning on the panel
- 3 year warranty period.

* Dependent on environmental conditions and in accordance with our installation guidelines.



ACB-EW

An Intelligent IP67 Rated Waterproof Multi-Heat Sensor which can be used externally and is supplied with its own fixing base which is used to fix the sensor. Flying leads from the sensor connect directly to the loop via waterproof connectors.

- User selectable modes
- Incorporates Fixed Temperature and Rate Of Rise Heat elements
- Twin fire LEDs allow 360° viewing
- Electronically addressed
- IP67 rated
- Supplied with fixing base
- LPCB & VdS approved to Classes A, B &C
- Addressed via TCH-B200 Hand Held Programmer & PL-2
- Polling/non-polling controlled from panel*[1].

*[1] Please ensure control panel compatibility.



ALN-E(HFP)-SCI

An Intelligent Optical Smoke Sensor with SCI incorporating Hochiki's newest High Performance Chamber Technology removing the need to use Ionisation Smoke Sensors in the majority of applications. This also allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

- Removable, High Performance Chamber
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- Twin LEDs allow 360° viewing – green when polling, amber when isolating, red in fire
- Polling/non-polling controlled from panel*[1].



ATJ-E(HFP)-SCI

An Intelligent Multi-Heat Sensor with SCI which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The ATJ-E(HFP)-SCI incorporates a Variable Temperature heat element and a Rate of Rise heat element, both of which are controlled from the Control Panel, allowing either thermal element or both elements simultaneously to be active in making the fire decision.

- User selectable modes
- Incorporates Fixed Temperature and Rate of Rise Heat elements
- Electronically Addressed
- Twin LEDs allow 360° viewing – green when polling, amber when isolating, red in fire
- Polling/non-polling controlled from panel*[1].



ACC-E(HFP)-SCI

An Intelligent Multi Sensor with SCI which is fully compatible with Hochiki's ESP Analogue Addressable Protocol, and incorporates a thermal element and a High Performance photoelectric smoke chamber.

The ACC-E(HFP)-SCI has three modes, which are controlled from the Control Panel, allowing either the optical element or thermal element or both elements to be active in making the fire decision*[1].

- Twin fire LEDs allow 360° viewing
- User selectable modes
- Incorporates Optical & Heat elements
- Removable, High Performance Chamber
- Variable sensitivity
- Electronically Addressed
- Twin LEDs allow 360° viewing – green when polling, amber when isolating, red in fire
- Polling/non-polling controlled from panel*[1].



YBV-R/4(HFP)

SCI Sensor Mounting Base which is fully compatible with Hochiki's HFP range of SCI sensors. It is supplied with square cable clamps for secure and reliable cable termination and is also capable of driving a remote LED if required.

- User selectable modes
- Electronics free
- Stainless steel contacts
- Takes 2.5 mm² cables
- Slim profile - only 8 mm
- Rugged wiring contacts
- Facility for remote indicator
- Quick Connection via square cable clamps.



ESP FIREbeam Xtra

An Addressable Reflective Beam Smoke Detector designed to protect large open spaces, features separate detector and controller. The detector unit incorporates a motorised head that can align itself during commissioning. Additional reflector kits enhance detection range.

- Approved by VdS
- Controlled and adjusted from ground level utilising included controller
- 7-70m standard detection range
- Extension kits available to enhance detection range up to 160m
- Fully compatible with the Hochiki ESP analogue addressable protocol
- Addressed via TCH-B200 Hand Held Programmer & PL-3
- Continually corrects itself against building movement.

[1] Please ensure control panel compatibility.



YBN-R/3(HFP)

A Common Mounting Base which is fully compatible with Hochiki's HFP range of sensors. Supplied with square cable clamps for secure and reliable cable termination and is also capable of driving a remote LED if required.

(Red Version - YBO-R/3(RED) for use with CHQ-WSB2(HFP) Wall sounder Beacon

- Electronics free
- Stainless steel contacts
- Takes 2.5mm² cables
- Slim profile - only 8mm
- Rugged wiring contacts
- Facility for remote indicator
- Available in RED for use with CHQ-WS2(HFP) Wall Sounder & CHQ-WSB2(HFP) Wall Sounder Beacon
- Quick Connection via square cable clamps.



YBN-R/3(HFP)-SCI

A sensor mounting base featuring an integral short-circuit isolator which will detect and isolate short-circuits on the loop.

- Features integral SCI
- Easy to fit
- Slim profile
- Matches standard base colours
- Approved to SIL2
- Can be used as a standalone isolator with addition of SI-CAP2
- Compatible with the HFP range of sensors.



CHQ-WS2(HFP)

An Intelligent Loop-Powered Wall Sounder providing 8 volume levels and 51 tones with a maximum output of up to 102 dB(A) (±2 dB(A)) with low current consumption.

Compatible bases:
YBO-R/3(RED), YBO-R/SCI(RED), YBO-R/3(WHT) & YBO-R/SCI(WHT-SNDR).

- Loop Powered
- Variable Sound Output 90 ~ 102 dB(A) (±2 dB(A)) output at 1 metre
- Weatherproof Kit available
- Auto-shutdown Mode available*¹
- Approved by LPCB, VdS & to SIL2
- 51 User-Selectable Tones (all tones EN54-3 compatible)
- Single Loop Address - addressed via the TCH-B200 Hand Held Programmer.

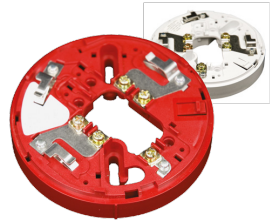


CHQ-WSB2(HFP)*²

An Intelligent Loop-Powered Wall Sounder Beacon as per the CHQ-WS2 but additionally featuring an integral beacon within the horn which utilises high intensity LED technology.

As per CHQ-WS2(HFP) plus:

- Variable flash frequency*¹
- High Intensity LED technology
- Independent control of Sounder and Beacon*¹
- Auto-shutdown Mode available - can be set independently for sounder or beacon*¹
- Approved to EN54-23: 2010 - Category 'O'
- Addressed via TCH-B200 Hand Held Programmer.



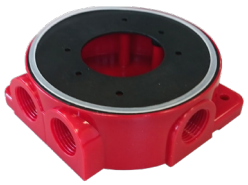
YBO-R/3(RED)

Is a Sounder Mounting Base which is fully compatible with Hochiki's HFP range of sensors and designed specifically for the Hochiki range of wall sounders, the CHQ-WS2(HFP Wall Sounder and the CHQ-WSB2(HFP) Wall Sounder Beacon.

It is supplied with square cable clamps for secure and reliable cable termination.

- Electronics free
- Stainless steel contacts
- Takes 2.5 mm² cables
- Slim profile - only 13 mm
- Rugged wiring contacts
- Also available in white (YBO-R/3(WHT))
- Quick Connection via square cable clamps.

*¹Please ensure control panel compatibility. *²For product variants, see pages 77 to 80.*



CHQ-WPK

A Weatherproof Back Box and gasket set for the CHQ-WS2(HFP) Wall Sounder, CHQ-CB(HFP) Ceiling Beacon, CHQ-WB(HFP) Wall Beacon and CHQ-WSB2(HFP) Wall Sounder Beacon, increases the IP Rating of the Sounder to IP65 for external use.

- Easy to install
- Increases sounder IP Rating from IP21 to IP65 (external use)
- Increases beacon IP rating from IP21 to IP33 (external use).



YBO-BS(HFP)

An Intelligent Loop-Powered Base Sounder providing 13 volume levels and 51 tones with maximum output of up to 98 dB(A) (±2 dB(A)) with low current consumption.

Compatible bases:
YBN-R/3(HFP) or YBN-R/3(HFP)-SCI Bases.

- Loop Powered
- Single Loop Address - addressed automatically by Control Panel or via the TCH-B200 Hand Held Programmer
- 50 ~ 98 dB(A) (±2 dB(A)) output at 1m
- Fits Hochiki Standard or Isolator Base and supports ESP Sensors, Beacons and Remote Indicator
- Approved by LPCB, VdS & to SIL2
- 51 User-Selectable Tones (all tones EN54-3 compatible).



YBO-BS2(HFP)-SCI

An Intelligent Loop-Powered Base Sounder with integral SCI providing 13 volume levels and 51 tones (including a bell tone) with a maximum output of up to 98 dB(A) (±2 dB(A)) with low current consumption.

Compatible bases:
YBN-R/3(HFP) or YBN-R/3(HFP)-SCI Bases.

- Loop Powered
- Single Loop Address - addressed automatically by Control Panel or via the TCH-B200 Hand Held Programmer
- 50 ~ 98 dB(A) (±2 dB(A)) output at 1m
- Fits Hochiki Standard or Isolator Base and supports ESP Sensors, Beacons and Remote Indicator
- Approved by LPCB, VdS & to SIL2
- 51 User-Selectable Tones including a bell tone (all tones EN54-3 compatible)
- Features integral short-circuit isolator
- 57 EN54 & VdS approved tones.



YBO-BSB2(HFP)*2

An Intelligent Loop-Powered Base Sounder Beacon providing 13 volume levels and 51 tones with a maximum output of up to 98 dB(A) (±2 dB(A)) with low current consumption.

Compatible bases:
YBN-R/3(HFP) or YBN-R/3(HFP)-SCI Bases.

- Loop Powered
- Single Loop Address, addressed by either Control Panel or TCH-B200
- 50 ~ 98 dB(A) (±2 dB(A)) output at 1m
- Fits Hochiki Standard or Isolator Base and supports ESP Sensors, Beacons and Remote Indicator
- Beacon and Sounder can be controlled independently*1
- Approved to EN54-23: 2010 - Category O'
- 51 User-Selectable Tones (all tones EN54-3 compatible).



CHQ-CB(HFP)*2

An Intelligent Loop-Powered Ceiling Beacon with a high-intensity LED and a custom designed free-form optic which produce a highly visible flash. Variants available in 5m, 7.5m, 10m and 15m area coverage.

- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Addressable via TCH-B200
- Choice of 2 LED colours (red and white)
- Approved to EN54-23: 2010 - Category 'C'
- High efficiency
- Selectable light output*1
- Operating Voltage 17-41 VDC.

*1Please ensure control panel compatibility. *2For product variants, see pages 77 to 80.



CHQ-WB(HFP)*2

An Intelligent Loop-Powered Wall Beacon with a high intensity LED and a custom designed free-form optic which produces a highly visible flash. Variants available in 5m, 7.5m and 10m area coverage.

Compatible bases:
YBN-R/3(HFP), YBN-R/3(HFP)-SCI, YBO-BS(HFP) or the YBO-R/(HFP)-SCI

- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Addressable via TCH-B200
- Choice of 2 LED colours (red and white)
- Approved to EN54-23: 2010 - Category 'W'
- High efficiency
- Selectable light output*1
- Operating Voltage 17-41 VDC.



CHQ-ARI(HFP)

An Intelligent Loop-Powered Remote Indicator, with high-intensity LEDs and a Fresnel lens design which produces a highly visible signal. The casing exactly matches the Hochiki HFP Sensor range in shape and colour providing seamless integration.

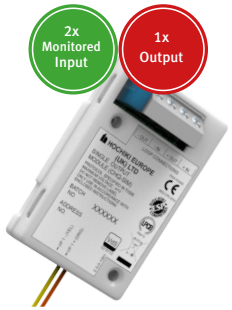
- High Intensity LED technology
- Addressable via TCH-B200
- Approved by VdS
- Non EN54-23 Compliant.



CHQ-AB(HFP)

An Intelligent Loop-Powered Visual Indicator with high-intensity LEDs and Fresnel lens design which produces a highly visible flash. The casing exactly matches the Hochiki HFP Sensor range in shape and colour providing seamless integration.

- High Intensity LED technology
- 1 Hz flash frequency
- Addressable via TCH-B200
- Choice of 3 lens colours (red, amber and blue)
- Approved by VdS (red and amber lens)
- Non EN54-23 Compliant
- Supplementary indicator.



CHQ-POM(HFP)

An Intelligent Powered Output Module designed to supply a nominal 24 VDC at various, user-selectable current levels from 2 to 32 mA (in increments of 2 mA). The unit is small enough to be added to other third-party devices thereby allowing a range of equipment to be added to the ESP loop. The unit also features two monitored inputs.

- Supplies a nominal 24 VDC at various current levels, 2 mA to 32 mA in increments of 2 mA
- User-selectable current output
- Includes two monitored inputs
- Approved by LPCB & VdS
- Addressed with TCH-B200 Hand Held Programmer & PL-3
- Colour-coded flying leads for simple installation
- Small design, provides simple connectivity to ESP loop for third-party devices, such as IFD-E.



CHQ-SIM(HFP)

An Intelligent Single Input Module designed to allow a single monitored input to be connected to the ESP loop. This provides a compact, low-cost option where the installation of the larger CHQ 'Smart-Fix' Range of Modules might be difficult.

- Small design for simple provision of a monitored input onto an ESP loop
- Flying leads for easy installation
- Addressed with TCH-B200 Hand Held Programmer & PL-3
- Approved by LPCB & VdS.

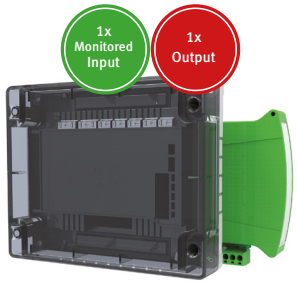
*1 *Please ensure control panel compatibility.*



CHQ-SOM(HFP)

An Intelligent Single Output Module designed to allow a single relay output to be connected to the ESP loop. The unit incorporates a volt-free relay contact that can be configured as either N/O or N/C, the relay contact is rated to 30 VDC (max), 1 A (resistive load). The unit features three colour-coded flying leads, the unit also features a wiring terminal block for loop connection.

- Small design for simple provision of a monitored input onto an ESP loop
- Flying leads for easy installation
- Approved by LPCB
- Addressed with TCH-B200 Hand Held Programmer & PL-3.

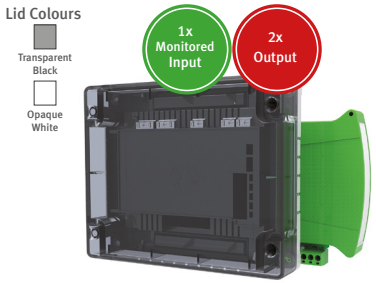


CHQ-MRC2(HFP)-SCI

An Intelligent Mains Relay Controller providing a single mains rated relay output for the control of such devices as dampers, extractors or plant and equipment shut-down. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- 1 x mains out & 1 x input
- Integral SCI
- Loop-powered
- Single loop address
- DIL switch addressable
- Single mains rated relay contact
- Relay contact rated at 250 VAC @ 5A (resistive) & 48 VDC @ 2A (resistive)
- Auxiliary monitored input
- Both models approved by LPCB
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-MRC2/DIN(SCI)

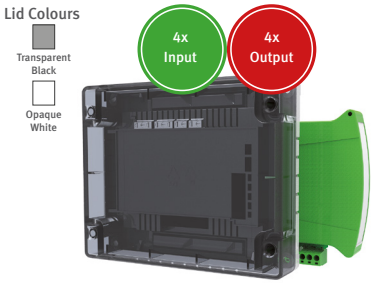


CHQ-DRC2(HFP)-SCI

An Intelligent Dual Relay Controller designed to provide two general-purpose relay outputs, each output can be controlled independently and used to control dampers, plant and equipment shut-down. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- Loop powered
- Single loop address
- DIL switch addressable
- Relays contact rated at 30 VDC at 1 A
- Auxiliary monitored input
- Both models approved by LPCB & VdS
- Deeper back box available CHQ-BACKBOX
- Two independently controlled changeover relays
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-DRC2/DIN(SCI)

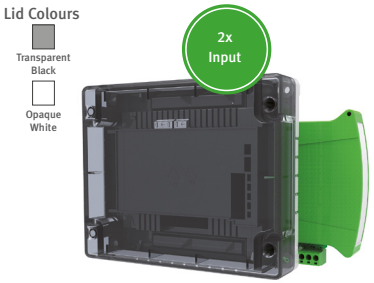


CHQ-PCM(HFP)-SCI

A Plant Control Module with four independent change-over relay outputs, with N/O and N/C volt free contacts and four inputs. These outputs can be driven separately by the fire alarm control panel and can be used for the control of devices such as dampers or for plant and equipment shut-down. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- 4 x inputs & 4x outputs
- Single loop address
- Loop powered
- DIL switch addressable
- 4 change-over relay outputs
- 4 independent inputs for monitoring of volt-free contacts
- Both models approved by LPCB
- Deeper back box available CHQ-BACKBOX
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-PCM/DIN(SCI)

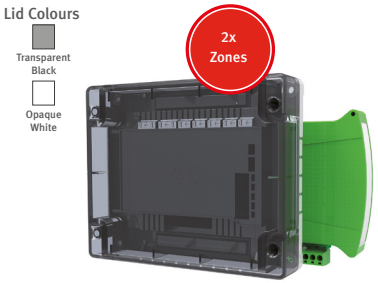


CHQ-DIM2(HFP)-SCI

An Intelligent Dual Input Module designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switches and plant equipment. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- Loop powered
- Single loop address
- DIL switch addressable
- Each input can be configured to operate on either an open or short-circuit.
- Both models approved by LPCB & VdS
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-DIM2/DIN(SCI)

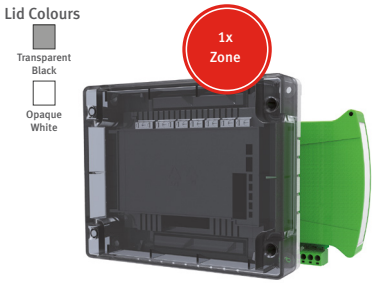


CHQ-DZM(HFP)-SCI

An Intelligent Dual Zone Module designed to allow up to 60 conventional detectors (30 per zone) or up to 6 SPC-ET (3 per zone) to be interfaced to Hochiki's ESP analogue addressable system. The unit also features Schottky and Zener line continuity options. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- 2 x zonal inputs
- Single loop address
- Supports two independent zones of conventional detectors
- DIL switch addressable
- Requires an auxiliary 24 VDC supply
- Both models approved by LPCB
- Deeper back box available CHQ-BACKBOX
- Both zones fully monitored for Open and short Circuit
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-DZM/DIN(SCI)

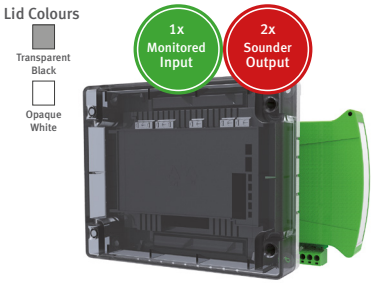


CHQ-SZM2(HFP)-SCI

An Intelligent Single Zone Monitor designed to allow up to 6 conventional detectors or 1 beam detector to be interfaced to Hochiki's ESP analogue addressable system. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- 1 x zonal input
- Loop powered
- Up to 6 Conventional Detectors
- DIL switch addressable
- Single loop address
- Remote LED output
- Both models approved by LPCB & VdS
- Deeper back box available CHQ-BOX
- Fully monitored for Open and Short Circuit faults
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-SZM2/DIN(SCI)

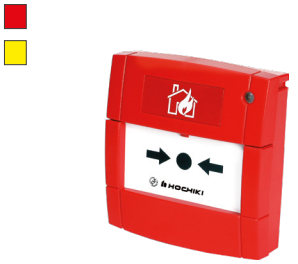


CHQ-DSC2(HFP)-SCI

An Intelligent Dual Sounder Controller which has been designed to provide two sounder outputs (that can be driven separately) with full fault monitoring. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- Single loop address
- Two independent sounder circuits
- DIL switch addressable
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1 A
- Auxiliary monitored Input
- Outputs are synchronised and can be driven continuously or intermittently
- 24 VDC auxiliary power required
- Both models approved by LPCB & VdS
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-DSC2/DIN(SCI)



HCP-E(HFP)-SCI

An Intelligent Manual Call Point Isolator fully compatible with Hochiki's ESP analogue addressable protocol and featuring an integral short-circuit isolator (SCI). Features a bi-coloured LED to indicate either fire (red) or short-circuit (amber). Also features plug-in wiring terminals for easy installation.

- Fast response
- Integral short-circuit isolator
- Bi-colour status LED
- Non-frangible element fitted as standard (conforms to EN54)
- Addressed with TCH-B200 Hand Held Programmer & PL-3
- Surface or flush mounting
- LPCB Approved to EN54
- Approved to SIL2.



HCP-W(HFP)-SCI

An Intelligent IP67 Weatherproof Manual Call Point Isolator fully compatible with Hochiki's ESP analogue addressable protocol and featuring an integral short-circuit isolator (SCI). Features a bi-coloured LED to indicate either fire (red) or short-circuit (amber). Also features plug-in wiring terminals for easy installation.

- Fast response
- Integral short-circuit isolator
- Bi-colour status LED
- Non-frangible element fitted as standard (conforms to EN54)
- Addressed with TCH-B200 Hand Held Programmer & PL-3
- Surface mounting
- LPCB Approved to EN54
- IP67 rated
- Approved to SIL2.



SR BACKBOX

Call Point Surface Mounting Box

Allows the HCP-E(HFP)-SCI to be surface mounted.



PS200

Hinged cover for Call Point

An acrylic hinged cover for the HCP-E(HFP)-SCI manual call point range which protects against accidental operation/vandalism.

- Easy to install
- Protects against accidental activation
- Requirement under BS5839.



TCH-B200

A Hand Held Address Programmer designed to address the HFP range of Sensors and other intelligent devices such as the YBO-BS(HFP) Base Sounder.

Designed to be light, robust and easy to use it operates from a single PP3 size battery which can provide up to 8000 operations.

- Lightweight design
- Quick and reliable addressing
- Up to 8000 address settings from one battery
- Displays sensor analogue value.

CDX

Conventional

Fire Detection

Hochiki's CDX range offers one of the most extensive product portfolios available, providing solutions for most conventional fire detection applications as well as security systems, due to its wide operating voltage range (9.5~30 VDC).

www.hochikieurope.com/cdx





SOC-E3N(HFP)

A Conventional Photoelectric Smoke Detector which is fully compatible with the majority of existing Conventional systems.

- Removable, High Performance chamber
- Remote Indicator output
- Wide voltage range (12 ~ 30 VDC)
- Low profile design with one piece outer cover
- Single fire LED - 360° viewing
- Range of mounting bases
- Approved by LPCB
- Automatic Sensitivity Window Verification (ASWV) – Drift Compensation Technolog.



DCD-AE3(HFP)

A Conventional Rate of Rise Heat Detector incorporating a 60°C fixed temperature element. The thermistor and linearising circuit provide an accurate linear response Heat Detector. A third terminal provides integral remote indicator output.

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 VDC)
- Twin fire LEDs allow 360° viewing
- Range of mounting bases
- Approved by LPCB & VdS.



DCD-CE3(HFP)

A Conventional Rate of Rise Heat Detector incorporating a 90°C fixed temperature element. The thermistor and linearising circuit provide an accurate linear response Heat Detector. A third terminal provides integral remote indicator output.

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 VDC)
- Twin fire LEDs allow 360° viewing
- Full range of mounting bases
- Approved by LPCB & VdS.



DFJ-AE3(HFP)

A Conventional 60°C Fixed Temperature Heat Detector using a thermistor and linearising circuit to provide an accurate linear response Heat Detector. A third terminal provides integral remote indicator output.

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 VDC)
- Twin fire LEDs allow 360° viewing
- Fixed Temperature Detector
- Full range of mounting bases
- Approved by LPCB & VdS.



DFJ-CE3(HFP)

A Conventional 90°C Fixed Temperature Heat Detector using a thermistor and linearising circuit to provide an accurate linear response. A third terminal provides integral remote indicator output.

- Electronic linear heat detection
- Wide voltage range - can be installed on security systems
- Twin fire LEDs allow 360° viewing
- Fixed Temperature Detector
- Full range of mounting bases
- Approved by LPCB & VdS.



DFG-60BLKJ

An IP67 Waterproof Conventional 60°C Fixed Temperature Heat Detector with minimal standby current and high reliability. Particularly suited to environments, which are exposed to high levels of condensation or are hosed down.

- Waterproof design – rated to IP67
- Low profile shape
- Utilises a bi-metallic strip to sense temperature change
- No Mounting base required
- Minimal standby current
- Approved by LPCB & VdS.



DRD-E

A Conventional Flame Detector designed for internal use to detect large flames. The detector fits any of the HFP conventional mounting bases. The detection zone is a 90° cone and the detection range is up to and including 25m.

- Class 1 performance as defined in
- BS EN54-10:2002 (range up to 25m)
- Single IR technology
- Robust and slim design
- Low current consumption
- Easy to install
- Twin LEDs for 360° view
- Approved by LPCB & VdS
- Fits any ivory conventional mounting base.



IFD-E

A Conventional IR^3 Infrared Flame Detector designed to respond to low-frequency (1 to 15Hz) flickering IR radiation emitted from flames during combustion, the unit can discriminate between flames and spurious sources of radiation such as sunlight. An I.S. version and an explosion-proof version are also available.

- Triple IR sensor
- Class 1 sensitivity to EN54-10 detects 0.1m^2 fire @ 25m
- Excellent optical interference immunity (solar blind)
- Selectable output options - conventional 2-wire, 4-20 mA, latching or non-latching relay contacts, fire/fault, pre-alarm
- Selectable response speed
- Optical self-test
- Low power consumption
- Approved by LPCB
- SIL Capable.



16591

A UV/Dual IR Flame Detector, Alloy Housing **Model 16591 is an IR^2 flame detector with an additional UV detection element, designed for use where open flaming fires may be expected and responds to the light emitted from flames during combustion.**

The detector discriminates between flames and other light sources by responding only to particular optical wavelengths and flame flicker frequencies. This enables the detector to avoid false alarms due to such factors as flickering sunlight.

- Highest immunity to false sources
- Suitable for indoor and outdoor areas
- Selectable response speed
- Optical self-test
- Low power consumption
- Approved to EN54
- Detects invisible flames from fuels such as Hydrogen and other inorganic fuels.



1800-101 TT2

The Flame Decector Tester TT2 is a test and calibration unit explicitly designed to workwith the full range of IFD Flame Detectors. Simple to use hand held unit with rechargeable NiCd battery pack and charger

- Used to test UV, UV/IR, UV/IR2, UV/IR3 flame detectors, in-situ
- 8m testing range
- Can calibrate flame detectors (with kit - sold separately)
- Integral rechargeable battery

[1]Please ensure control panel compatibility.



YBN-R/6(HFP)

A Conventional Detector Mounting Base associated with the CDX Range of Detectors and Beacons and is fully compatible with the majority of existing conventional fire alarm control panels.

- Integral remote indicator output
- Low Profile, only 8mm
- Rugged design and electronics free
- Quick connections via square cable clamps
- Accepts up to 2.5mm² cables
- Bayonet slot, low insertion force for detectors.



YBO-R/6PA

A Conventional Detector Mounting Base for 2-Wire systems where detectors and sounders are on same zone cables*.

- Integral remote indicator output
- Rugged design
- Dedicated cable screen terminal
- Quick connection via square cable clamps
- Accepts up to 2.5mm² cables
- Bayonet slot, low insertion force for detectors.



YBO-R/6R(HFP)

A Conventional Latching Relay Detector Mounting Base associated with the CDX Range of Detectors and is fully compatible with the majority of existing conventional fire alarm and security control panels.

- Integral remote indicator output
- Rugged design
- Quick connections via square cable clamps
- Accepts up to 2.5mm² cables
- Bayonet slot, low insertion force for detectors
- Approved by LPCB
- Wide voltage range - can be used in security systems.



YBO-R/6RN

A Conventional Non-Latching Relay Detector Mounting Base associated with the CDX Range of Detectors and is fully compatible with the majority of existing conventional fire alarm and security control panels.

- Integral remote indicator output
- Wide voltage range - can be used in security systems
- Rugged design
- Quick connections via square cable clamps
- Accepts up to 2.5mm² cables
- Bayonet slot, low insertion force for detectors
- Approved by LPCB.

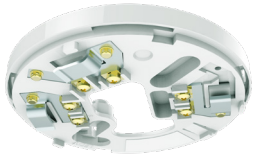


YBO-R/6RS

A Conventional Latching Schottky Diode Relay Detector Mounting Base associated with the CDX Range of Detectors and is fully compatible with the majority of existing conventional fire alarm control panels.

- Integral remote indicator output
- In-line Schottky Diode for Line Continuity
- Rugged design
- Quick connections via square cable clamps
- Accepts up to 2.5mm² cables
- Bayonet slot, low insertion force for detectors
- Approved by LPCB.

[1]Please ensure control panel compatibility.



YBN-R/6SK

A Conventional Detector Mounting Base with in-line Schottky Diode, associated with the CDX Range of Detectors and is fully compatible with the majority of existing conventional fire alarm control panels.

- Integral remote indicator output
- In-line Schottky Diode for line continuity
- Low profile, only 8mm
- Rugged design
- Quick connections via square cable clamps
- Accepts 2.5mm^2 cables
- Bayonet slot, low insertion force for detectors.



IDENTIFIRE RL

A Conventional Remote Lamp Unit designed for both conventional and analogue addressable fire alarm systems.

Available as a visual indicator and audible/visual indicator, the Identifire Remote Lamp Unit can be easily retrofitted to existing systems or incorporated as part of a new installation.

- 4 x 20 mm knockouts for surface and glanded entry
- 2 Wire compatibility
- Will operate at both 12 and 24 VDC
- Low current consumption
- Available as both a lamp and combined lamp/buzzer
- Discrete design
- Available in Red or White.



IDENTIFIRE VID

A Conventional Visual Indicating Device (VID) suitable for use on fire, security and other building control systems.

Used as an ancillary visual alarm in fire systems, the Identifire range of VIDs are suitable for conventional and 2 Wire fire systems as well as general alarm and signalling systems.

- Choice of 5 coloured lenses white, red, blue, green and amber
- 2 Wire compatibility
- 4 x 20 mm knockouts for surface and glanded entry
- Aesthetically appealing design
- Available in Red or White.



IDENTIFIRE TS

A Conventional Tritone Sounder designed with a low profile sleek design, the Hochiki Tritone sounder is ideal for standard installations and where aesthetics are an important consideration.

Tritone's low operating current means it can easily be interfaced onto Analogue Addressable fire alarm systems with a suitable output module.

- Simple installation for new or retrofit applications
- 2 Wire compatibility
- Aesthetically appealing design
- Sounder approved by UL to EN 54 Part 3
- Selectable Output - High: 92-96 dB(A) / Low: 86-90 dB(A)
- 4 x 20mm knockouts for surface and glanded entry
- Available in Red or White.



IDENTIFIRE TSB

A Conventional Tritone Sounder Beacon designed for conventional fire alarm systems, it is an ideal solution for environments that require a discreet but affective device.

Used as an ancillary visual alarm in fire systems; Hochiki Tritone Sounder VIDs are suitable for conventional and 2 Wire fire systems as well as general alarm and signalling systems.

- Easy installation for new or retrofit applications
- 2 Wire compatibility
- Aesthetically appealing design
- Sounder approved by UL to EN 54 Part 3
- 4 x 20 mm knockouts for surface and glanded entry
- Selectable Output - High: 92-96 dB(A) / Low: 86-90 dB(A)
- Available in Red or White.



IDENTIFIRE AR

A Conventional Auxiliary Relay Unit featuring two volt free contacts to control/interface additional equipment from the Fire Alarm Control Panel.

The relay allows other equipment to be engaged or disengaged during a fire alarm condition.

- 4 x 20 mm knockouts for surface and glanded entry
- 2 Wire compatibility
- Bright LED signals activation
- Can be flush or surface mounted
- Consistent with all other Identifire products
- Dual pole - live and negative both isolated
- Available in Red or White.



IDENTIFIRE SC

A System Connection Box designed to junction and terminate fire rated cabling. A robust connection box enabling installers and designers to extend system wiring to additional products.

- Simple installation for new or retrofit applications
- 2 Wire compatibility
- 4 x 20 mm knockouts for surface and glanded entry
- Available in Red or White
- Discrete design.



CLB-E(HFP)

A Conventional Visual Indicator for use on 24 V Sounder Circuits. The unit is fitted with a Fresnel lens and high-intensity LEDs, a design which produces a highly visible flash. The casing exactly matches the CDX Detector range in shape and colour providing seamless integration.

- High Intensity LED technology
- Fits standard CDX base (YBN-R/6)
- Supplementary indicator
- Not EN54-23 compliant
- Colour-matched to existing detector and base ranges.



CWST-S5

A Conventional Beacon which features high output LEDs, advanced optics and an innovative lens design, providing outstanding Omni-directional light coverage at low current draw. Specifically designed for, and approved to meet EN54-23. CWST-S5 delivers quality, reliability and long operational life.

- Approved to EN54-23, C & W categories*
- Advanced optics ensures superior light coverage at low current draw
- Available in either red or white casings
- Available with either a red or white LED
- Synchronised flash exceeds EN54-23 standard
- Soft start feature reduces power surges during system start-up.



CWST-W5

A Conventional Weatherproof Beacon, which features high output LEDs, advanced optics and an innovative lens design, providing outstanding Omni-directional light coverage at low current draw. Specifically designed for, and approved to meet EN54-23. Weatherproof base provides IP65 for external use applications.

- Approved to EN54-23, C & W categories*
- Available in either red or white casings
- Available with either a red or white LED
- Synchronised flash exceeds EN54-23 standard
- Soft start feature reduces power surges during system start-up
- Advanced optics ensures superior light coverage at low current draw.



CLAMBELL

A Conventional Fire Alarm Bell EN54-3 approved fire bell incorporates traditional and innovative design.

Low power consumption and good sonorous tone result from use of an aluminium gong which also significantly reduces weight.

Three mounting versions are available: shallow base, deep base and purpose designed weatherproof option.

- Tested and Approved by LPCB
- Permanently fitted gong
- Specifically designed weatherproof back box
- Mounting options for European, Asian and US style installations
- Hinged design for quick and easy installation.

**For product variants, see pages 77 to 80.*



FB/024/R/W

A Conventional Alarm Bell six inches diameter, which has the same operation as the MBF-6EV except it comes equipped with a weatherproof back box enabling it to be used externally.

- Low profile
- Low current consumption
- Fully suppressed and polarised
- 100 dB(A) at 1m (typ)
- Weatherproof for external installation
- Approved by LPCB
- Simple installation with multi-fixing base plate.



CCP-E

A Conventional Manual Call Point based upon the industry standard KAC world series housing. The unit can support either a 'Frangible Glass' element or a 'Non Frangible Plastic' element. It is also supplied complete with SR-BACKBOX for surface mounting.

Note - Yellow version not EN54 compliant

- Approved to EN54-11:2001
- Other colours available on request
- Approved by LPCB
- Terminals can accommodate up to a 2.5mm² solid conductor.



CCP-W

An IP67 Conventional Weatherproof Call Point which can be used externally.

- Approved to EN54-11:2001
- Supplied with back-box as standard
- Other colours available on request
- Ingress Protection rated to IP67
- Approved by LPCB
- Terminals can accommodate up to a 2.5mm² solid conductor.



CCP-SAVWIRE

Conventional Savwire Call Point Red based upon the industry standard KAC world series housing and features easy to install, push-fit wiring terminals. The unit has been specifically designed for use on "Savwire" (two-wire) systems.

The unit can support either a 'Frangible Glass' element or a 'Non Frangible Plastic' element.

- Approved to EN54-11:2001
- Terminals can accommodate up to a 2.5mm² solid conductor
- Designed for use on "Savwire" (two-wire) systems.



CCP-KS

Conventional Key Switch Manual Call-Point based upon the industry standard KAC 9000 series housing and features flying leads for simple wiring.

The unit features two key positions marked as "1" and "0" – with the key easily removable in either position

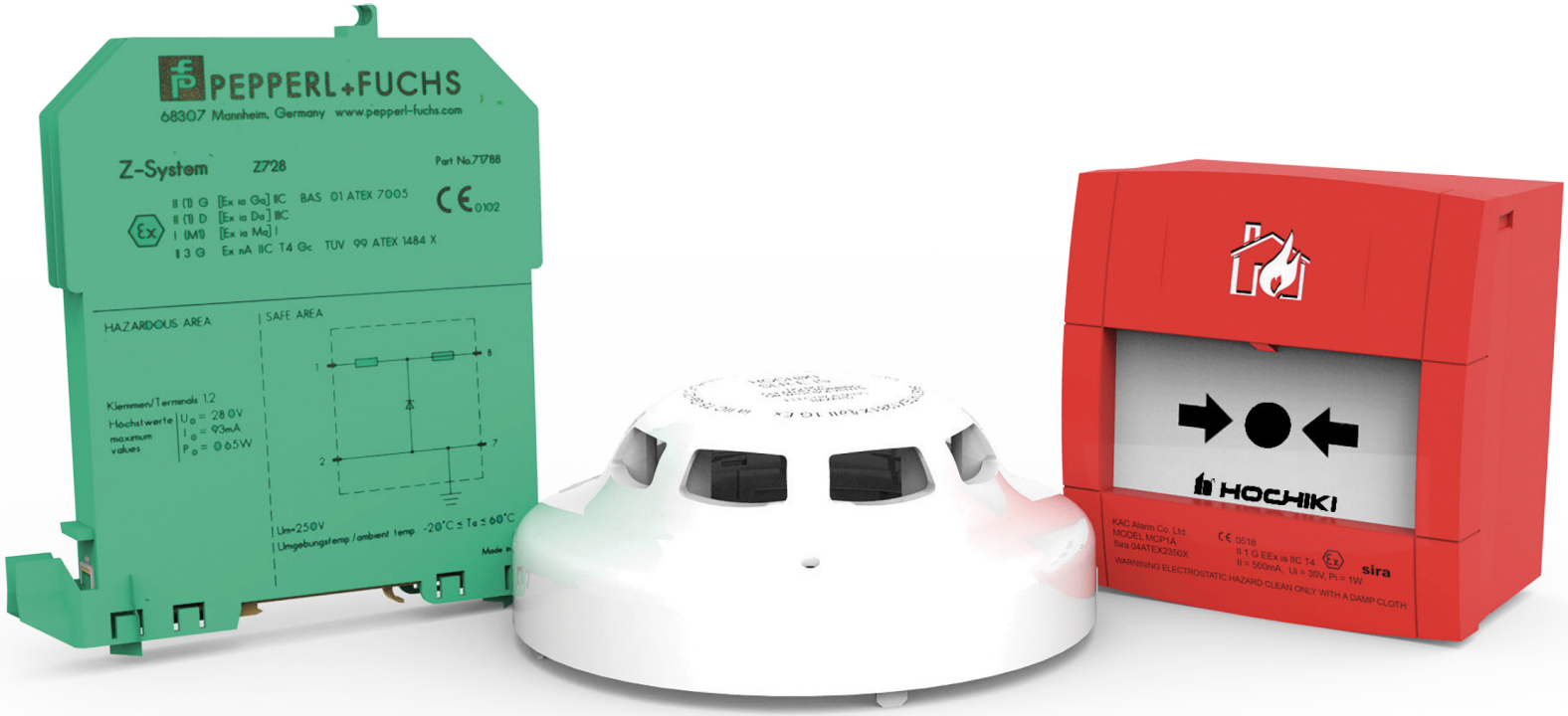
- Two position keyswitch (marked 1 and 0)
- Key removable in both positions
- Supplied with back box for surface fixing
- Terminals can accommodate up to a 2.5mm² solid conductor
- Supplied in RED - other colours available on request
- Suitable for fire, security and other specialist applications.

IS

Intrinsically Safe

Hochiki's Intrinsically Safe and Explosion Proof range of products has been designed and produced to ensure that all the great benefits of Hochiki's high quality fire detection technology can be safely operated within industrial and hazardous environments.

www.hochikieurope.com/is





SOC-E-IS

Model SOC-E-IS is a Photoelectric Smoke Detector designed for use in hazardous areas which also incorporates a remote indicator output and a removable chamber for easy maintenance.

- Twin fire LEDs allow 360O viewing
- Removable, High Performance chamber
- Supported by a range of barriers
- Remote indicator output
- ATEX Classification to: Ex ia IIC T5 Ga
- (-20°C ≤ Ta ≤ +55°C)
- Suitable for installation in areas at Category 1
- (inc all lower categories)
- Available in white and ivory
- Approved by LPCB & VdS



DCD-1E-IS(WHT)

A Conventional I.S. Rate of Rise Heat Detector designed for use in hazardous areas. Incorporates a remote indicator output and a 60°C fixed temperature element.

- Twin fire LEDs allow 360° viewing
- Electronics free mounting base
- Remote indicator output
- ATEX certification to: II 1G EEx ia IIC T5 (Tamb=55°C)
- Suitable for installation in areas at Category 1 (inc all lower categories)
- Approved by LPCB, GL and to IECEx.



YBN-R/4(WHT)-IS

A Conventional Detector Mounting Base associated with the CDX Range of Intrinsically Safe Detectors and is fully compatible with the majority of existing conventional fire alarm control panels.

- Low Profile, only 8mm
- Rugged design
- Dedicated cable screen terminal
- Accepts from 1 to 2.5mm² cables
- Quick connection via square cable clamps
- Electronics free
- GL Type approval.



CCP-E-IS

A Conventional Manual Call Point designed for use in hazardous areas and based upon the industry standard KAC world series housing.

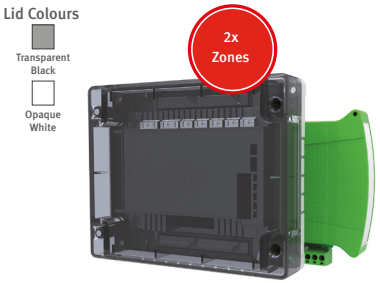
- Terminals can accommodate up to a 2.5mm² solid conductor
- Approved to EN54 Part 12
- Rugged design
- GL Type approval
- ATEX Classification to: II 1G EEx ia IIC T4
- Supports either a 'Frangible Glass' element or a 'Non Frangible plastic' element.

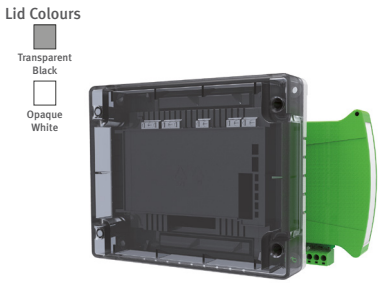


CCP-W-IS

An IP67 Conventional weatherproof call point designed for use in hazardous areas and based upon the industry standard KAC world series housing.

- Sealed to IP67
- Terminals can accommodate up to a 2.5mm² solid conductor
- Approved to EN54 Part 12
- Rugged design, with anti-tamper facility
- ATEX Classification to: II 1GD Ex ia IIC T4 Ga
- Supports either a 'Frangible Glass' element or a 'Non Frangible plastic' element.











CHQ-DZM/ OEM(HFP)-SCI-IS

A Dual Zone Module which is fully compatible with Hochiki's ESP analogue addressable protocol and I.S. equipment. The module will allow connection of up to 40 Hochiki I.S. conventional detectors (20 per zone) through a Galvanic isolator or Zener barrier, which are then fully monitored for open and short circuit. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- Single loop address
- Supports two independent zones of Hochiki I.S. Conventional Detectors
- Both zones fully monitored for short/ open-circuit
- Requires an auxiliary 24 VDC supply
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB
- Installed in safe area
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-DZM/DIN(SCI)-IS

CHQ-ISM(HFP)

This Sounder Control Module interfaces between the Hochiki Analogue system via a CHQ-DSC2(HFP)-SCI or conventional sounder O/P's and the intrinsically safe sounder/beacon units via an intrinsically safe barrier.

The module provides line monitoring for open or short circuits on the wiring connected to both the safe and hazardous areas.

- Provides dual sounder circuits
- Fully monitored for short-circuits
- Requires 24 VDC external power supply
- Also available as a DIN module
- Installed in safe area
- Requires I.S. barrier
- Interfaces between loop and I.S. sounders/beacons
- Allows 1 I.S. Sounder or Beacon to be connected per circuit.
- Can be used with CHQ-BACKBOX to comply with BS 7671.

CHQ-ISM/DIN

Z787

A Zener-Diode Barrier Dual channel, DC version, positive polarity, Working voltage 26.5 V at 10 µA, Series resistance max. 327 Ω, Fuse rating 50 mA, DIN rail mounting, With diode return, Number of channels: channel-2, Type: DC, positive, Working voltage: max. 27 V.

- Simple installation onto standard DIN 'top-hat' railing
- Removable colour-coded terminals for easy connection
- Can accommodate conductors up to 2.5 mm^2
- Supports two zones of I.S. products.

Z728

A Zener-Diode Barrier 1-channel, DC version, positive polarity, Working voltage 26.5V at 10 µA, Series resistance max. 327 Ω, Fuse rating 50 mA, DIN rail mounting, Number of channels: 1-channel, Type: DC, positive, Working voltage: max. 26.9 V.

- Simple installation onto standard DIN 'top-hat' railing
- Input circuit protected against reverse polarity
- Simplified installation and maintenance using plug-in connectors.

KFDO-CS-EX2.51P

This Isolated Barrier is used for intrinsic safety applications. It transfers DC signals from fire alarms, smoke alarms, and temperature sensors in hazardous areas. It can also be used to control I/P converters, power solenoids, LEDs, and audible alarms.

- 2-channel isolated barrier
- Current input/output 0 mA to 40 mA
- I/P or transmitter power supply
- Accuracy 1%
- Reverse polarity protection
- Up to SIL2 acc. to IEC 61508.



IFD-E(IS)

An Intrinsically Safe Conventional Infrared Flame Detector designed to respond to low-frequency (1 to 15Hz) flickering IR radiation emitted from flames during combustion, the unit can discriminate between flames and spurious sources of radiation such as sunlight.

- Unaffected by convection currents, draughts or wind and solar-blind
- ATEX certification to: EEx ia IIC T4 (135°C) (zones 0, 1 and 2)
- Selectable response speed
- Approved by LPCB
- SIL capable
- Mounting bracket available IFD-MB
- Responsive to a flame more than 25m away
- Class 1 performance as defined in BS EN54-10:2002 (on the high sensitivity setting)
- Tolerant of fumes, vapours, dust and mist.



IFD-E(Exd)

A Conventional Explosion-Proof Infrared Flame Detector designed to respond to low-frequency (1 to 15Hz) flickering IR radiation emitted from flames during combustion, the unit can discriminate between flames and spurious sources of radiation such as sunlight.

- Unaffected by convection currents, draughts or wind and solar-blind
- ATEX certificated to: EEx d IIC T6 (85°C) (zones 1, 21, 2 and 22)
- Responsive to a flame more than 25m away
- Selectable response speed
- Approved by LPCB
- SIL capable.



1800-101 TT2

The Flame Decector Tester TT2 is a test and calibration unit explicitly designed to workwith the full range of IFD Flame Detectors. Simple to use hand held unit with rechargeable NiCd battery pack and charger

- Used to test UV, UV/IR, UV/IR2, UV/IR3 flame detectors, in-situ
- 8m testing range
- Can calibrate flame detectors (with kit - sold separately)
- Integral rechargeable battery

Ekho

Hybrid Wireless

Fire Detection

Hochiki's Ekho system raises wireless fire detection and alarm systems to new levels of reliability and flexibility.

The hybrid system utilises the latest MESH net technology to provide absolute, yet economic wireless fire system installations with the minimum of disturbance to the surroundings. Ideal for historic buildings, remote or temporary sites and any project where the installation of fire cabling is difficult, overly expensive or prohibited.

www.hochikieurope.com/ekho







EK-WL8-TRH

A Hybrid Wire to Wireless Translator Module is a fully intelligent wired to wireless Translator Module. Compatible with the Hochiki ESP protocol, the module allows the use of fully intelligent radio (wireless) field devices alongside standard hard wired devices.

The Translator Module allows the connection of up to 126* radio field devices to an addressable fire detection loop. Multiple Translators can be used on a system providing the system has sufficient loop power and addresses available.

- Optional back box available
- Approved to EN54-17, 18 and 25
- RED compliant
- Loop Powered
- OLED Graphical Display
- Integral Loop Short Circuit Isolator
- Bi-directional wireless communication
- Self-optimising wireless amplitude and frequency
- Tamper switch
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective.

EK-WL8-EXP

A Hybrid Wireless Expander Module increases radio coverage of an Ekho Translator Module, allowing the use of the system in larger buildings and in difficult wireless environments. Multiple Expanders can be utilised in a micro cell structure to provide a solution to large, complex systems.

When multiple Expander Modules (two or more) are used, these provide a MESH solution maintaining the wireless systems integrity.

- Approved to EN54-18 and 25
- RED compliant
- Supports MESH communications
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Makes additions to existing wired systems easy and cost effective
- Requires external power supply (24 VDC).

SYSTEM ARCHITECTURE

Self-configuring mesh technology in the Ekho range is a new and unique level of reliability

- **Each device automatically chooses its parent expander**
- **Expanders automatically form a network for delivering information to the main control panel**

Self-configuring mesh technology provides

- **High level of reliability**
- **Automatically adapting to changing operating conditions: all devices automatically choose a parent expander depending on the quality of connection**
- **Extended information system capacity allowing complex issues to be managed and solved**
- **A simple design and commissioning process**

The system will automatically decide which device connects to which expander and build a wireless network.

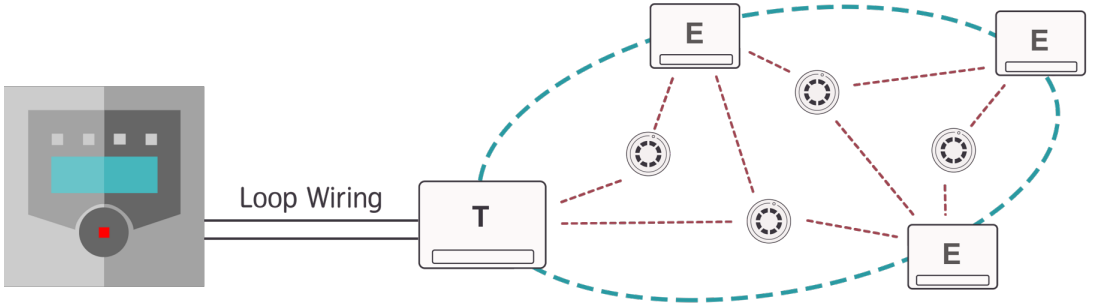
Advantages for installers

- **Simplified design and planning process**
- **Faster commissioning process**
- **Solutions to complicated problems and challenges**

Ekho Hybrid Wireless automatically

- **Connects the devices with their corresponding expanders and reconfigures if necessary**
- **Adapts to changing operating conditions.**

In addition, both the wireless and wired components of the system can be configured in one software.



**Dependent on available loop address capacity.*



EK-WL8-OV

A Hybrid Wireless Optical Smoke Sensor with Built in Voice Annunciator and VAD with white LEDs and 0.5 Hz flash rate. The sensor utilises optical smoke detection technologies and algorithms for improved performance, which can contribute to reducing unwanted alarms.

Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved.

- Approved to EN54-3, 7, 23 & 25
- RED compliant
- Voice Sounder and VAD Incorporated
- Internal algorithm processing for optimal performance
- Tamper switch
- Up to 10 years battery life*
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Compatible with all Ekho Translator/ Expander modules.



EK-WL8-O

A Hybrid Wireless Optical Smoke Detector which utilises optical smoke detection technologies and algorithms for improved performance.

Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved.

An in-built magnet test allows easy activation to verify correct functionality and response.

- Approved to EN54-7 & 25
- RED compliant
- Internal algorithm processing for optimal performance
- Tamper switch
- Up to 10 years battery life*
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Compatible with all Ekho Translator/ Expander modules.



EK-WL8-H

A Hybrid Wireless A1R Heat Sensor designed for open area protection. The sensor is designed for installations where smoke detection technology is not suitable.

The well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

- Approved to EN54-5 and 25
- RED compliant
- Internal algorithm processing for optimal performance
- Tamper switch
- Up to 10 years battery life*
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Compatible with Ekho Translator/ Expander module.



EK-WL8-OH

A Hybrid Wirless Multi-Sensor is the latest in wireless multi-criteria sensor technology.

The sensor combines both smoke and heat detection technologies (A1R) for improved performance. Utilising well-proven adaptive radio signal processing algorithms ensures that the highest levels of life safety and system reliability are achieved.

An in-built magnet test allows easy activation to verify correct functionality and response.

- Approved to EN54-5,7,25 & 29
- RED compliant
- Internal algorithm processing optimises performance
- Tamper switch
- Up to 10 years battery life*
- Utilises standard low-cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Compatible with all Ekho Translator/ Expander modules.



EK-WL8-CP

A Hybrid Wireless Resettable Manual Call Point which features a simulated glass front. When activated, a plastic 'flag' is displayed in the window of the unit; the supplied key will reset the flag and unit.

- Supplied with back box
- Approved to EN54-11 & 25
- RED compliant
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Tamper switch
- Utilises standard low cost lithium battery technology
- Up to 10 years battery life*
- Resettable Element
- Clear 'device activated' warning flag.

**Dependent on operational usage*



EK-WL8-IN

A Hybrid Wireless Single Channel Input Module providing a convenient and cost effective solution for monitoring third party equipment.

The module is also controllable from the Fire Control Panel via the cause and effect programming and offers the same level of flexibility as a standard addressable module.

- Optional back box available
- Approved to EN54-18 and 25
- RED compliant
- Monitored Input
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Tamper Switch
- Up to 10 years battery life*.



EK-WL8-OUT

A Hybrid Wireless Powered Output Module which allows the control panel to switch the circuits of an external device wirelessly via an Ekho Translator/Expander module.

The unit provides a switched voltage output (24 VDC recommended) only. Optional back box is available.

- Optional back box and relay unit available
- Approved to EN54-18 and 25
- RED compliant
- Contact is configured as N/O contact
- Bi-directional wireless communication
- Up to 10 years battery life*
- Self optimising wireless amplitude and frequency
- Includes a fault monitoring input
- Requires external power supply (24 VDC).



EK-WL8-SND

A Hybrid Wireless Sounder equipped with 4 tones forms the core of our wireless EN54-3 modular alarm device range which can be set locally at the sounder as well as volume control to allow for effective communication.

When configured onto an Ekho Translator, the Wireless Sounder is fully addressable and benefits from intelligent monitoring functionality.

- Flexible modular design
- Approved to EN54-3 and 25
- RED compliant
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Tamper Switch
- 4 Tone Settings
- Up to 10 year battery life*
- Easy to install.



EK-WL8-RI

The EK-WL8-RI wireless remote indicator is used to indicate the status of an Ekho wireless detector when installed in hidden or hard to access locations such as ceiling voids or locked rooms. It is fully compatible with the Ekho wireless Translator and Expander modules.

Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved.

The remote indicator has a battery life of up to ten years* and will illuminate red when activiated.

- Tamper switch
- Up to 10 years battery life
- Utilises standard low cost lithium battery technology
- Bi-directional wireless communications
- Self optimising wireless amplitude and frequency
- Designed for use with Ekho Translator and Expander modules.
- Requires external power supply (24 VDC).



EK-WL8-SK

Our Hybrid Wireless Survey Test Kit consists of a portable wireless translator, a portable smoke detector and a keypad.

The keypad displays the wireless communication signals between the detector and the translator module, enabling you to design a wireless system successfully.

- Power supply not included
- Robust carry case
- Easy to use (training is required before purchase)
- Allows for surveying potential hybrid wireless Installations.



FIRElink

High Sensitivity Smoke Detection

Hochiki's FIRElink range of high sensitivity air sampling equipment consists of detectors and sampling pipe accessories to the very highest levels of sensitivity in environments such as computer areas and clean rooms. In these applications it is able to give warning to the very slightest trace of smoke. All detectors in the FIRElink range have been approved to EN54-20:2006 Classes A, B & C by LPCB.

www.hochikieurope.com/firelink



FIRElink-25

A Single Pipe Air Sampling Detector designed to provide very high sensitivity smoke detection. The unit will automatically setup for easy installation and is also designed to fit into a Docking Station which accepts all sampling pipes and cables leaving the detector to be fitted during the final commissioning phase.

- Approved LPCB
- False alarms reduced by unique dust discrimination
- RS485 communications for networking and remote communications
- Ultra small, low cost aspirating smoke detector
- Single sampling pipe up to 50m in length (still air)
- High sensitivity provided by laser based forward light scatter for reliable early warning.



FIRElink-100

A Two Pipe Air Sampling Detector designed to provide very high sensitivity smoke detection. The unit will automatically setup for easy installation and is also designed to fit into a Docking Station which accepts all sampling pipes and cables leaving the detector to be fitted during the final commissioning phase.

- Approved LPCB
- Two sampling pipes up to 100m (aggregate) in length (still air)
- RS485 communications for networking and remote communications
- Ultra small, low cost aspirating smoke detector
- False alarms reduced by unique dust discrimination
- High sensitivity provided by laser based forward light scatter for reliable early warning.



FIRElink-400

A Four Pipe Air Sampling Detector designed to provide very high sensitivity smoke detection with inherent immunity to dust/dirt build-up. Discriminates between 'dirty' and 'clean' operating periods such as day and night, automatically substituting appropriate system sensitivity without the need for external input or adjustment.

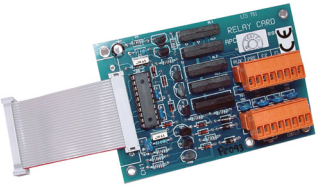
- Approved LPCB
- Four sampling pipes up to 200m (aggregate) in length (still air)
- RS485 communications for networking and remote communications
- False alarms reduced by unique dust discrimination
- High sensitivity provided by laser based light scatter for reliable early warning.



FIRElink-400CM

A Four Pipe Air Sampling Detector with integral Command Module designed to provide very high sensitivity smoke detection with inherent immunity to dust/dirt build-up. Added "Command Module" allows the user to control, program and test other FIRElink units on the same "network".

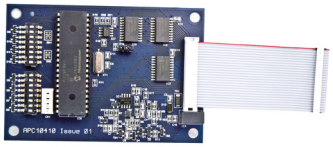
- Approved LPCB
- Four sampling pipes up to 200m (aggregate) in length (still air)
- RS485 communications for networking and remote communications
- Command Module allows control over other FIRElink units on network
- False alarms reduced by unique dust discrimination
- High sensitivity provided by laser based light scatter for reliable early warning.



FL-RC

An Input Relay Card designed to provide detector inputs that may be programmed for Remote Day/Night Mode Changeover, Remote Reset or ClassiFire Override as well as power supply fault monitoring.

- Relay contacts rated at 0.4 A @24 VDC
- Common Fault relay energised normally closed for fail safe operation
- Only compatible with FIRElink-25 and FIRElink-100
- 4 staged normally open relay outputs for unmonitored connection to other systems.



FL-APIC

An Addressable Protocol Interface Card used to decode and relay FIRElink detector information directly to an Hochiki ESP compliant Fire Control Panel.

- Full address range (1 - 127)
- Compatible with all FIRElink detectors and command modules
- Supports both single and multi mode operation.



FIRElink Sampling Pipes

The sampling pipe and connectors are used in conjunction with the FIRElink Range of Air Sampling Detectors.The Pipe-cad software supplied with each FIRElink detector calculates the length of pipe and configuration of sampling holes required for each installation.

Prices and further details provided upon request.



FIRElink Dust Filters

FL-DF1 Hochiki Dust Filter For FIRElink 400 Series

FL-DF2 Hochiki Dust Filter For FIRElink 25/100 Series

Prices and further details provided upon request.

ANCILLARY

Equipment

Hochiki's comprehensive range of ancillary equipment includes products to help make routine maintenance and commissioning of analogue and conventional smoke detectors easier and more reliable. The range includes head removal tools, heat detector tester poles, loop commissioning and emulation equipment and duct smoke detection equipment.





DH-24

An Electromagnetic Door Holder designed to hold open fire doors and is ideally suited for hospitals, schools and other public buildings. In a fire situation the doors can be released automatically via a connection to the fire alarm system or manually by activating the release button.

- 24 VDC
- Surface mounted
- 200 Newton holding force
- Swivel keeper plate
- Spring-loaded ejector pin
- Manual release button.



SDP-3

A Duct Probe Housing allowing a standard photoelectric smoke detection device, either a conventional detector or an analogue sensor, to be mounted on the outside of an air duct for the purpose of monitoring the air within the duct.

- One-tube air sampling system
- Test hole on cover
- Simple installation/maintenance
- Sensitive flow indication
- Installer-friendly connection of cables
- Allows air duct sampling using standard detector or sensor
- Fits either square or round section ducting (with additional brackets).



TCH-B200

A Hand Held Address Programmer designed to address the HFP range of Sensors and other intelligent devices such as the YBO-BS Base Sounder. Designed to be light, robust and easy to use it operates from a single PP3 size battery which can provide up to 8000 operations.

- Lightweight design
- Quick and reliable addressing
- Up to 8000 address settings from one battery
- Displays sensor analogue value.



16091

A Hand Held Flame Detector Tester providing a flame-free method of UV testing the industrial IR³ series of flame detectors: IFD-E, IFD-E(IS) and the IFD-E(Exd).

THIS EQUIPMENT IS ALSO AVAILABLE FOR HIRE. Please contact your Sales Representative for further information.

- Simple to use hand held unit with rechargeable NiCd battery pack and charger
- Tests many Flame Sensors Types UV, UV/IR, UV/IR², IR³, IR², IR
- Range typically 3m and beyond
- Selectable optical output intensity with LED bar graph indication
- Flame-free UV testing, ideal for hazardous areas.



YBN-UA(WHT)

A Recess Mounting Adaptor for both the ESP and CDX Range of sensors and detectors and their associated mounting bases. Allows a base and head combination to be flush mounted by providing a recess fixing to the ceiling.

(Shown with base fitted – not supplied)

- Sturdy construction, easy to install
- Supplied with fixing brackets
- Colour-matched to existing ivory-coloured sensor/detector ranges
- Suitable for a maximum ceiling thickness of 30mm
- Allows base and analogue sensor or conventional detector to be flush mounted.



YBD-RA(WHT)

A Surface Wiring Adaptor which allows the majority of Hochiki Sensors/ Detectors and their Mounting Bases to be fitted flush against a fixing surface, whilst also allowing surface wiring (without conduit) to be connected.

- Low profile - only 16mm
- Compatible with the majority of exisiting Analogue and Conventional bases
- Colour matches standard Hochiki Analogue and Conventional sensor / dectector / base ranges.



SOLO POLES

Fibreglass Poles designed to be completely interchangeable with all of the SOLO Tools. Manufactured in a lightweight fibreglass, the poles are completely non-conductive and have been subjected to rigorous conductivity testing to ensure the integrity of the insulating qualities.

- Lightweight, non conductive
- Accept all of the SOLO tools
- Can extend to 9m.



TESTIFIRE

A fully portable field device for functional testing of fire detectors. The unit is suitable for testing optical/ photoelectric and ionisation smoke sensors, thermal sensors (fixed temperature or rate-of-rise), and carbon monoxide (CO) fire sensors, be they conventional, addressable or analogue addressable.

- Powered by battery batons within pole
- Heat detector test times reduced through wider range of settings
- Clearing cycle provides rapid detector reset with no repeat alarm
- Stimuli capsules for smoke and CO held within unit
- Faster, more productive testing with just one tool
- Simultaneous stimuli (smoke and heat can cut test times in multi-sensors by up to 66%.



SOLO 200

A Universal Detector Removal Tool suitable for the majority of current Hochiki detectors*

*Except those with flying leads, for example the DFG-60E or the ACB-EW.

- Colour-coded grips twist into place to create different size combinations
- Universal, counterbalanced joint ensures the tool remains horizontal.



SOLO 330

A Smoke Detector Tester providing functional testing to introduce (simulated) smoke or CO through the detector vents and into the sensing chamber.

- Robust, lightweight design
- Touch sensitive, ideal for suspended ceilings
- Clear cup allows view of detector LED
- Spring-loaded dispenser mechanism conserves aerosol
- Test gas canisters (non CFC) are available containing either simulated smoke (for testing smoke detectors) or CO (for testing CO detectors).



SOLO 423/424

A Heat Detector Tester mains-powered and available in both 110/120 and 220/240 V versions.

- Initiates heat detectors into alarm, whether rate of rise or fixed.
- Comes complete with a 5m lead as standard (Optional 5m extension available).



SOLO 461

A Cordless Heat Detector Tester which utilises Cross Air Technology to ensure the correct temperature is applied to the sensing elements, not the detector plastics.

- Safe, cable free, battery-powered operation
- Supplied with 2 Battery Batons™ and a fast charger
- Intelligent device, only heats when detector present.



SOLO 823 KIT

A Universal Set Of Tools for testing and removing smoke and heat detectors up to 9m high.

Contains:

- 1 x Solo 100 Telescopic Pole
- 3 x Solo 101 Extension Pole
- 1 x Solo 330 Aerosol Smoke Dispenser
- 1 x Solo 461 Cordless Heat Detector Test Kit (includes 2 Battery Batons™ and Charger)
- 1 x Solo 610 Protective Carrying Bag
- 1 x Solo 200 Universal Detector Removal Tool.



HE-PSU(2.5A)

A Stand-Alone Power Supply Unit with integrated charger designed to be used with Hochiki's FIRElink range of air sampling detectors and the CHQ Modules that are non loop-powered (CHQ-DZM(HFP), CHQ-DZM(HFP)-IS and CHQ-DSC2(HFP)-SCI).

- Enclosure mounted with battery space
- Fully enclosed and robust construction
- 110 V or 230 V input
- Regulated, true 24 V output
- House up to 26 Ah batteries
- Status indicators for monitored faults
- Intelligent battery charging and temperature compensation
- Dual output for powering fire alarm control panels remotely.



HE-PSU(5.25A)

A Stand-Alone Power Supply Unit with integrated charger designed to be used with Hochiki's FIRElink range of air sampling detectors and the CHQ Modules that are non loop-powered (CHQ-DZM(HFP), CHQ-DZM(HFP)-IS and CHQ-DSC2(HFP)-SCI).

- Enclosure mounted with battery space
- 110 V or 230 V input
- Regulated, true 24 V output
- House up to 26 Ah batteries
- Status indicators for monitored faults
- Fully enclosed and robust construction
- Dual output for powering fire alarm control panels remotely
- Intelligent battery charging and temperature compensation.



SMB-1

An IP66 Rated, Grey (RAL7035) Enclosure designed for use with the Hochiki range of Modules. Supplied with a transparent black lid as standard. Used in conjunction with the SMB-ADAPTOR this enclosure can house any of the PCB assemblies from the Hochiki Smart-Fix Module range.

- 32 knock-outs
- Grey lid available SMB-1(LID)
- Quick-release screws Polyurethane gasket provides IP66 protection
- Temperature resistance to +70°C, Impact resistant, and Non-flammable
- Corrosion free, resistant to most alkaline and acid.



SMB-2

An IP66 Rated, Grey (RAL7035) Enclosure designed for use with the Hochiki range of DIN Modules. Supplied with a transparent black lid as standard. The unit is supplied with a DIN Rail section (plus fixings) and will accept up to six Hochiki DIN Rail Modules, side-by-side.

- Quick-release screws
- Polyurethane gasket provides IP66 protection
- 32 knock-outs
- Supplied with DIN Rail and fixings
- Grey lid available SMB-2(LID)
- Temperature resistance to +70°C, Impact resistant, and Non-flammable
- Corrosion free, resistant to most alkaline and acid
- Designed to house up to 6 Hochiki DIN Modules.



SMB-3

A Grey (RAL7035) Enclosure Designed for use with the Hochiki range of DIN Modules. Supplied with a transparent black lid as standard. The unit is supplied with a DIN Rail section (plus fixings) and will accept up to four Hochiki DIN Rail Modules, side-by-side.

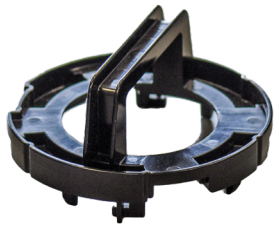
- 20 knock-outs
- Quick-release screws
- Polyurethane gasket provides IP66 protection
- Supplied with DIN Rail and fixings
- Grey lid available SMB-3(LID)
- Temperature resistance to +70°C, Impact resistant, and Non-flammable
- Corrosion free, resistant to most alkaline and acid
- Designed to house up to 4 Hochiki DIN Modules.



PL-3

Additional Programming Lead 3 Way Connection For use on Hochiki devices that feature the square programming terminal, HCP-E(SCI) call points for example. The jack plug fits into the socket on the TCH-B200 programmer and the square programming plug fits to the device.

- Allows connection of TCH-B200 programmer
- For use with Hochiki devices with square connector.



REMOVAL TOOL-3

Outer Cover Removal Tool allows the case of any photoelectric sensor or detector to be removed easily, even if the locking tabs have been employed. This allows easy access to the photoelectric chamber for maintenance or replacement.

Fits ALN-E(HFP), ACC-E(HFP) and ATJ-E(HFP) only.



CHQ-BACKBOX

The Module Backbox is designed for installations where the CHQ Range of Modules - CHQ-DIM2(HFP)-SCI, CHQ-SZM2(HFP)-SCI, CHQ-DZM(HFP)-SCI, CHQ-DSC2(HFP)-SCI, CHQ-MRC2(HFP)-SCI, CHQ-DRC2(HFP)-SCI & CHQ-PCM(HFP) require mounting within a glanded enclosure. The unit features ten knock-outs suitable for cable glands (not supplied) and accepts the CHQ Modules directly as a lid.

- Provides glanded cable connections
- Compatible with all CHQ Modules
- Robust design.



SBB-2(WHT)

Surface Mounting Back Box providing a splash-proof and secure fixing for the HFP Addressable and Conventional Range of Sensors and Detectors and their associated Bases. Provides an aesthetically pleasing solution where surface fixed devices are required. The housing supports four 20mm glanded entries for cabling access.

- 4 Glanded cable entry holes (glands not supplied)
- Colour matched
- Approved Sensor and Base range
- Provides moisture and dust resistant fixing
- Ideal for bulk-head fixing.



SI-CAP2(WHT)

A Protective Cap which can be fitted to the YBO-R/SCI(HFP) isolator base range, the YBO-BS2(HFP) base sounder or the YBO-BSB2(HFP) base sounder beacon when either of these devices isn't fitted with a sensor. It can also fit the YBN-R/3(HFP) and the YBN-R/3(HFP)-SCI.

- Easy to Fit (Twist-fit)
- Protects Wiring Terminals on Isolator Bases and Base Sounders.

A Guide To Our Sounder / Beacon Variants

Example product code

CHQ-WSB2(WHT)/RL

WHT = White Case
RED = Red Case

RL = RED LEDs
WL = WHITE LEDs



YBO-BSB2(HFP)

An Addressable Loop-Powered
Base Sounder Beacon



CHQ-WSB2

An Addressable Loop-Powered
Wall Sounder Beacon

Product Type	Product Code	LED Colour	Case Colour	Rating
Base Sounder Beacon	YBO-BSB2(HFP)/WL	White	Ivory	'O'
Base Sounder Beacon	YBO-BSB2(HFP)/RL	Red	Ivory	'O'
Base Sounder Beacon	YBO-BSB2(WHT)/WL-HFP	White	White	'O'
Base Sounder Beacon	YBO-BSB2(WHT)/RL-HFP	Red	White	'O'

Product Type	Product Code	LED Colour	Case Colour	Rating
Wall Sounder Beacon	CHQ-WSB2(HFP)/WL	White	Ivory	'O'
Wall Sounder Beacon	CHQ-WSB2(HFP)/RL	Red	Ivory	'O'
Wall Sounder Beacon	CHQ-WSB2(WHT)/WL-HFP	White	White	'O'
Wall Sounder Beacon	CHQ-WSB2(WHT)/RL-HFP	Red	White	'O'

A Guide To Our Conventional Beacon Variants

Example product code

CWST-WR-S5

- R = Red Case
- W = White Case
- R = Red LEDs
- W = White LEDs
- S = Standard Base
- W = Weatherproof Base



CWST-S5

A Conventional Beacon



CWST-W5

A Conventional Weatherproof Beacon

Product Type	Product Code	Led Colour	Case Colour	EN54-23 Ratings			
				Wall Fitted	Ceiling Fitted		
Conventional Beacon	CWST-RR-W5	Red	Red	W-2.4-6.2	C-3-9.4	C-6-8.6	-
Conventional Beacon	CWST-RR-S5	Red	Red	W-2.4-6.2	C-3-9.4	C-6-8.6	-
Conventional Beacon	CWST-RW-S5	White	Red	W-2.4-9.0	C-3-9.5	C-6-9.5	C-9-9.5
Conventional Beacon	CWST-RW-W5	White	Red	W-2.4-9.0	C-3-9.5	C-6-9.5	C-9-9.5
Conventional Beacon	CWST-WR-S5	Red	White	W-2.4-6.2	C-3-9.4	C-6-8.6	-
Conventional Beacon	CWST-WR-W5	Red	White	W-2.4-6.2	C-3-9.4	C-6-8.6	-
Conventional Beacon	CWST-WW-W5	White	White	W-2.4-9.0	C-3-9.5	C-6-9.5	C-9-9.5
Conventional Beacon	CWST-WW-S5	White	White	W-2.4-9.0	C-3-9.5	C-6-9.5	C-9-9.5

A Guide To Our Ceiling Beacon Variants

Example product code

CHQ-CB(WHT)/WL

WHT = White Case
RED = Red Case

WL = WHITE LEDs
RL = RED LEDs



CHQ-CB

An Addressable Loop-Powered Ceiling Beacon

Product Type	Product Code	LED Colour	Case Colour	EN54-23 Ratings		
				0	1	2
Ceiling Beacon	CHQ-CB/WL	White	Ivory	C-3-5	C-3-7.5	C-3.10
Ceiling Beacon	CHQ-CB/WL-15	White	Ivory	O	C-3-10	C-3-15
Ceiling Beacon	CHQ-CB/RL	Red	Ivory	O	C-3-7.5	C-3-10
Ceiling Beacon	CHQ-CB (WHT)/WL	White	White	C-3-5	C-3-7.5	C-3-10
Ceiling Beacon	CHQ-CB (WHT)/WL-15	White	White	O	C-3-10	C-3-15
Ceiling Beacon	CHQ-CB (WHT)/RL	Red	White	O	C-3-7.5	C-3-10
Ceiling Beacon	CHQ-CB (RED)/WL	White	Red	C-3-5	C-3-7.5	C-3-10
Ceiling Beacon	CHQ-CB (RED)/WL-15	White	Red	O	C-3-10	C-3-15
Ceiling Beacon	CHQ-CB (WHT)/RL	Red	White	O	C-3-7.5	C-3-10

A Guide To Our Wall Beacon Variants

Example product code

CHQ-WB(WHT)/WL

WHT = White Case
RED = Red Case

WL = WHITE LEDs
RL = RED LEDs



CHQ-WB

An Addressable Loop-Powered Wall Beacon

Product Type	Product Code	LED Colour	Case Colour	EN54-23 Ratings		
				0	1	2
Wall Beacon	CHQ-WB/WL	White	Ivory	W-3-5	W-3-7.5	W-3.10
Wall Beacon	CHQ-WB/RL	Red	Ivory	W-3-5	W-3-7.5	W-3.10
Wall Beacon	CHQ-WB(WHT)/WL	White	White	W-3-5	W-3-7.5	W-3.10
Wall Beacon	CHQ-WB(WHT)/RL	Red	White	0	W-3.10	W-3.15
Wall Beacon	CHQ-WB(RED)/WL	White	Red	0	W-3.10	W-3.15
Wall Beacon	CHQ-WB(RED)/RL	Red	Red	0	W-3.10	W-3.15

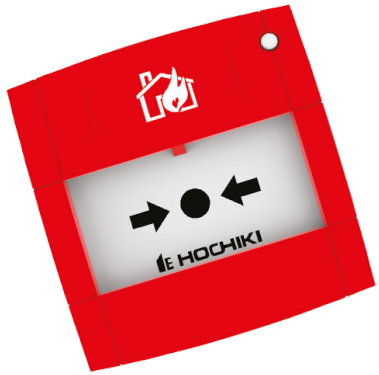
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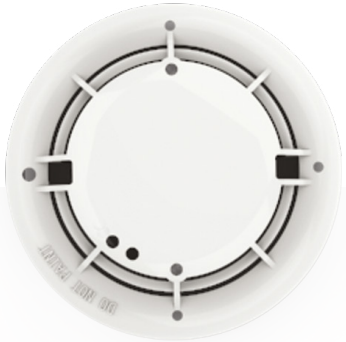
Your Safety, Our Technology

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