HOCHIKI®

World Class Leaders in Fire Detection Since 1918

HFP

Complete Fire Detection Systems

EN

Your Safety, Our Technology

HOCHIKI - The Leader In Innovative Life Safety Solutions

For almost 100 years Hochiki has led the way in the design and manufacture of innovative life safety solutions. Its cutting edge commercial and industrial fire detection and emergency lighting products have acquired global acceptance as the benchmark for high-integrity and long-term reliability.

Hochiki's vision is to provide products and systems that achieve the highest levels of quality. Our range of products virtually eliminates unwanted alarms and, combined with ease of installation, results in unsurpassed dependability and the lowest total cost of ownership possible.

With a global annual sales turnover exceeding £600m Hochiki is a wholly independent, multinational, publicly listed company with over 1,500 employees working across five manufacturing plants, 31 sales offices and 18 subsidiaries.

Our ongoing commitment to manufacturing innovation ensures customer satisfaction and its production facilities in Japan, the USA and Europe offer international continuity in quality, service and supply.

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The HFP system from Hochiki Europe offers complete solutions for all of your fire detection requirements.

With analogue addressable and conventional systems available for commercial and industrial applications, Hochiki also has a range of products for more specialised environments. For especially demanding environments, Hochiki can offer industrial, explosion-proof and marine products which have been designed especially for challening applications.

HFP AP-AS

Analogue Addressable
1-2 Loop Control Panels

Compatible Equipment & Options

Selection of I/O boards

HFP Network Card

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

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

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

Overview

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.

HFP AP-S

Analogue Addressable
2-4 Loop Control Panels

Compatible Equipment & Options


HFP 6-8 Loop


Selection of I/O boards


HFP Network Card

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

- 2 or 4 loop versions as standard (6-8 loop versions available)
- Larger enclosure available (fits 24A/H SLAs)
- 0, 16, 48, or 96 zone indicators
- Network up to 64 panels/repeaters
- 4 programmable sounder circuits as standard
- 5.25 amp power supply to EN54 part 4
- Large graphic display
- In built help and alarm information screens
- Certified to EN54-2/ EN54-4
- Real time clock
- Supports loop powered sounders and beacons
- Sensitivity adjustment and Drift Compensation
- Soft-touch tactile buttons
- 2 programmable functions buttons
- 3 programmable front panel mounted LEDs
- Improved front loading Printer (optional)
- Upt to 512 programmable inputs/outputs per panel via 2 wire RS485 serial link (optional)
- Simple Windows® graphical configuration utility

Overview

The HFP Multi Loop Analogue Addressable fire Control Panel range offers a powerful and scalable solutions for fire detection and alarm systems.

With proven and mature software at its heart, the HFP range benefits from man years of development and refinement to provide a fire alarm control panel range of outstanding robustness, versatility and flexibility.

HFP multi-loop fire panels have a large clear display, context sensitive help screens, easy navigation menus, versatile configuration options and simple control all enhanced by the power and flexibility that comes from compatibility with other components of the multi-loop HFP system and peripherals.

HFP fire panels fully support Hochiki ESP loop drivers, which are capable of providing up to 400 milliamps of loop current for the most demanding applications.

An integral 5.25 Amp power supply and temperature compensated batter charger provides ample power for the 4 standard sounder outputs, loop powered sounders and fully loaded loops of devices.

Connectivity

HFP fire panels connect seamlessly to HFP AS fire panels or other HFP multi-loop panels and repeaters via the fully fault tolerant and robust HFP network. The network topology can e configured for either a fully secure "loop" or as an "open ended" network for replacing older systems and using existing cabling.

The HFP range supports a selection of 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. 0, 16, 48 or 96 zonal LED indicators can be provided as standard and the panel will support up to 500 network wide software zones.

Software

The long established HFP Loop Explorer configuration utility can be used to configure the HFP range. With the all new HFP Loop Explorer 2 offering a simpler and more intuitive programming configuration tool capable of realising the largest and most complex fire alarm systems with ease.

The Guide graphics system or a modem for remote system interrogation by telephone lines may also be connected to HFP panels via the RS232 serial connection. All of the above produce an outstanding and competitive, world class fire alarm control panels range.

Installation

The elegant and simple construction of the HFP panel range with full mechanical protection of all internal electronics, ensures ease of installation and protection of the vital parts during installation.

HFP Repeaters

Analogue Addressable
Fire Control Panel Repeaters

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Peripherals

HFP AP-ARNS
Active Network Repeater

- Semi-Flush Mounting
- Power Supply 750mA

HFP AP-PRNS
Passiv Network Repeater

- Semi-Flush Mounting
- Power Supply 750mA

HFP AP-CRLS
Local LCD Control Repeater

- Semi-Flush Mounting
- Power Supply 750mA
- Access Enable Keyswitch

HFP Repeaters

The simple and attractive HFP repeater panels can be connected to any point on a HFP network to provide and additional compact display point for all events on the fire alarm system.

Using the same large format graphics display as the main control panel ensures that a clear and concise text indication of the system status is given at all times.

Primary indication is provided by the full graphic LCD with additional indications for power, fire, fault and disablement conditions provided buy discrete LEDs.

Controls are kept to a minimum with only two navigation buttons and a silence buzzer button on the HFP AP-PRNS and additional Silence Alarm, Rest and Re-sound alarm buttons on the HFP AP-ARNS.

Ideal for additional building entrances, security desks or nurses stations this unit provides an economical and more compact alternative to a full function, HFP repeater panel.

HFP AP-PRNS connects directly to a fault tolerant HFP network and can also be used as a network booster to extend cable runs beyond the specified lengths as required.

HFP AP-CRLS

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 control 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 require the HFP AP-CRLS is available in either a 24V DC powered option (which can be powered via an additional 2 cores from the HFP control panel auxiliary 24V DC supply) or a 230V powere option with local battery back up.

HFP AP-MATRIX

Intelligent Fire Alarm
Mimic Display System

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

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

- Up to 504 LEDs can be controlled from any HFP AP-S or HFP AP-AS panel (except HFP AP-ASL)
- 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 LEDs
- Available with or without controls
- Same look and feel as HFP range
- HFP Matrix can easily be upgraded on site with minimal cost and effort
- EN54-4 approved PSU (optional)
- Configured via standard HFP Loop Explorer Software

HFP Matrix

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HFP multi-loop fire panels have a large clear display, context sensitive help screens, easy navigation menus, versatile configuration options and simple control all enhanced by the power and flexibility that comes from compatibility with other components of the multi-loop HFP system and peripherals.

HFP fire panels fully support Hochiki ESP loop drivers, which are capable of providing up to 400 milliamps of loop current for the most demanding applications.

An integral 5.25 Amp power supply and temperature compensated batter charger provides ample power for the 4 standard sounder outputs, loop powered sounders and fully loaded loops of devices.

Connectivity

HFP fire panels connect seamlessly to HFP AS fire panels or other HFP multi-loop panels and repeaters via the fully fault tolerant and robust HFP network. The network topology can e configured for either a fully secure "loop" or as an "open ended" network for replacing older systems and using existing cabling.

The HFP range supports a selection of 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. 0, 16, 48 or 96 zonal LED indicators can be provided as standard and the panel will support up to 500 network wide software zones.

Software

The long established HFP Loop Explorer configuration utility can be used to configure the HFP range. With the all new HFP Loop Explorer 2 offering a simpler and more intuitive programming configuration tool capable of realising the largest and most complex fire alarm systems with ease.

The Guide graphics system or a modem for remote system interrogation by telephone lines may also be connected to HFP panels via the RS232 serial connection. All of the above produce an outstanding and competitive, world class fire alarm control panels range.

Installation

The elegant and simple construction of the HFP panel range with full mechanical protection of all internal electronics, ensures ease of installation and protection of the vital parts during installation.

HFP Network Diagram

High Integrity Configurable Network

Supports all HFP I/O modules.

RS485

HFP AP-AS
Analogue Addressable Control Panel

Up to 16 GUIDE Repeaters may be connected to a GUIDE system via a LAN (Local Area Network)

An RS232 to RS485 data converter is supplied with the GUIDE system.

The GUIDE dongle is fitted to the RS232 serial interface inside the HFP Panel. It converts data to RS485 and must be fitted for the system to work.

HFP GUIDE
Repeater Facility for GUIDE System

LAN

HFP GUIDE
Graphical User Interface for fire Detection Equipment

RS485

RS232

Control panels are supplied with 2 or 4 detection loops and a choice of 0, 16, 48 or 96 zone indicators.

(if fitted) Loop 4

Loop 3

Loop 2

Loop 1

HFP AP-S
Analogue Addressable Control Panel

Each loop is capable of hosting up to 127 Hochiki Devices

Supports all HFP I/O modules.

RS485

RS232

24V DC or 230V AC

HFP AP-PRNS
Network LCD Repeater

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

RS485

16 Channel I/O Board

8 Way Relay Board

6 Way Sounder Board

4 Way Conventional Zone Board

24V DC

24V DC

24V DC

24V DC

Network Card Required

HFP AP-AS
Analogue Addressable Control Panel

Loop 1

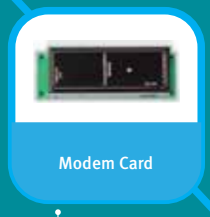
Loop 2 (if fitted)

Each loop is capable of hosting up to 127 Hochiki devices

RS232

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

The HFP system is compatible with Hochiki protocols. Panels can be used on the same network.



Modem Card

The HFP network can be interrogated remotely by using the modem module (normally fitted inside panel) connected via the telephone.

HFP AP-CRL
Local LCD Repeater

24V DC or 230V AC

HFP Matrix
Fire Alarm Mimic Display System

24V DC or 230V AC

HFP AP-ARNS
Network LCD Repeater

24V DC or 230V AC

A mixture of up to 32 devices can be fitted to each panel on the RS485 serial interface.
The maximum number of HFP AP-CRL panels on a single RS485 serial interface is 15.

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Each 2 loop module slot can be fitted with a variety of option boards to provide alternative functionality. Modules can be "hot swapped" to minimise system degradation during fitting and all inputs and outputs can contribute to the L@titude, Industry-leading cause and effect capability.

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
- L@titude "Bridge" Network Card (connect L@titude 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 L@titude control system makes customisation almost limitless.

L@titude Overview

The all new L@titude 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 L@titude 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 l@titude concept is designed to add value to System Designer, Integrator, Service provide and the end user.

Developed from the "ground up" by Hochiki's leading design team and using some of the most advanced technology available, L@titude 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 L@titude brand provide solutions to the most technically challenging applications in life safety, L@titude will deliver added value, market advantage and a competitive edge to your business.

The modular nature of the L@titude 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 cirucits, relay cards, additional sounder outputs or programmable I/O modules as required.

l@titude

Analogue addressable 2-16
Loop Control Panel

Selection of I/O Boards

VR L@titude Media Gateway

L@titude Network Card

L@titude Fire 2-16 Loop Panel

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

- Compliant with EN54-2, En54-4 and EN54-13
- Up to 144 zone LED indicators on standard models
- Support for up to 2000 zones and zone LED indicators
- Built in programmable I/Os
- Up to 512 programmable I/O via optional plug in cards
- Modbus, LonWorks and BACnet interface options
- Full colour, 7" 800x480 touch screen graphical display
- Fully automative display brightness adjustment
- 80 character point and zone text
- Over 4000 sub address points per panel
- Over 5000 cause and effect outputs
- Up to 5000 software groups
- Maximum of 50,000 devices NOT and TIME as well as COINCIDENCE, OR and AND operators in cause and effects.
- Option to "invert" inputs and outputs
- Extensive event log with one second resolution
- Network up to 128 panels
- Configurable via USB port to PC or memory stick

Overview

With the increasing demands for power in fire detection and alarm systems, L@titude 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. L@titude Fire can be supplied with on of a range of remote power supply unit 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.

The addition of a L@titude 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.

L@titude 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 L@titude compatible products.

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

L@titude fire systems are scalable with L@titude Net Enhances High Speed Networking. This allows up to 128 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 L@titude "Bridge" Network CCard to your L@titude Panel or L@titude Network provides an interface between existing HFP and L@titude Control System providing backward compatibility and a unique upgrade path.

l@titude
Intelligent Repeaters

Compatible Equipment & Options


L@titude Network Card


Multi Purpose Flushing Collar

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

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
- Silence-able internal sounder
- Connections Via:
  - Control panel RS485 bus
  - Option to connect to control panel network
- Low current, 24V DC powered
- Slim compact construction
- Configurable functionality
- Configurable languages
- Optional Enable Keyswitch

Overview

L@titude provides a means of allowing full display and optional control of the L@titude 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.

L@titude repeaters 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, L@titude can be configured to provide customisable switches and indications for a host of fire system ancillary functions.

L@titude may be connected to the fire control panels' fault tolerant, ancillary RS485 bus or to the fire alarm panel fault tolerant network using standard, fire rated cable offering flexibility in system wiring.

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

l@titude Virtual Resource

A Comprehensive Suite of Software Based Tools

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

- Unique Life Safety management utility
- Remote access to system data from anywhere
- Revenue driver for all business sizes
- Cut costs and rive up productivity
- Reduce environmental impact through technology
- Modular application based tool set:
  - VR Access: View and manage my projects
  - VR Vault: Store and retrieve system documentation
  - VR Service: Manage, add value and Improve compliance
  - VR Print: Virtual Printer
- More to come...
  More VR application s will be added to the list providing users with further enhancement to their value and revenue streams

Overview

To compliment the new, market leading range of control systems. Virtual Resource is a unique suite of software tools aimed to deliver a whole new dimension in Life Safety System Management. It provides System Designers Integrators and Service Companies with the ability to remotely access and comprehensively manage any system using intelligent analysis of data collected from those systems. End-users and facilities managers can also greatly benefit from the powerful feature set that comes with Virtual Resource. Virtual Resource is one of the most technically advanced management tools for fire detection and other safety systems on the market. With Virtual Resource, installers and service provides are able to offer market leading functionality through remote management and provide improved service at lower cost and greater efficiency. The remote management features offered by Virtual Resource can result in reduced fault call cuts, improved servicing regimes, more effective maintenance, reduction of unwanted alarms and improved overall service to the end user.

Access

Gain access to data from all of your systems, assess performance, check status and make decisions based on facts, not assumptions. VR Access allows a Virtual Resource enabled fire system to periodically report its status to the secure servers and allows a VR Access subscriber to view the latest status report via any web enable device.

Vault

Subscribers to Virtual Resource can securely store system and site related documentation on our permanently backed up servers using VR Vault. VR Vault provides a convenient and permanently accessible storage location for all documentation related to an installation including installation drawings, commissioning details and certificates, service and maintenance records, general notes and any other documents related to the installed system that the user requires.

Services

VR Service provides a means to set up a comprehensive fire alarm system servicing regime adding benefit to both the end customer and Service company. Site details can be imported from VR Access or added and set up manually to create customer records. Service frequency and device activation list schedules can be set and resources allocated including travelling time and estimated time to complete the service providing essential data for planning service engineer 's activities. Service engineers can view and print their work schedules including site specific notes and previous service records directly from the system if required.

Print

Designed to replace panel mounted printers which provide very limited information. VR Print provides a secure method of storing and recalling the control system. The suer can simply view the systems events online, print PDF reports or download the data.

l@titude Configure

Loop Explorer 2 (LE2) Configuration Software

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

- Based on the industry leading HFP Loop Explorer
- Delivered and managed via the new L@titude.com web site
- No more out of date version in circulation
- Many new features and benefits
  - Time Manager
  - Group Manager
- 1000s of Cause & Effect options
- Additional C & E operators
- "Not" and Time
- Powerful templates
- Favourite device tab
- Language support

Overview

The powerful central processor and extensive on board expandable memory in the L@titude Fire control system, allows demanding configuration options and many thousand 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 fulfil 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 detector protocols 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, L@titude 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.

l@titude Network Diagram

High Integrity Configuable Network

Cloud Servers

GSM
IP
Dial-Up

Media Gateway

L@titude Fire
2 - 8 Loop Analogue
Addressable Control Panel

24V DC

L@titude Vision
Configurable Fire Alarm Repeater

L@titude Virtual Resource

VR Access - Access data from all your systems
VR Vault - Secure document vault
VR Service - Complete service management utility with automated data transfer
VR Print - Eliminates need for panel mounted printers

(If fitted) Loop 3 - Loop 8

Loop 2

Loop 1

L@titude Fire
2 - 8 Loop Analogue
Addressable Control Panel

Each loop is capable of hosting up to 127 Hochiki devices.

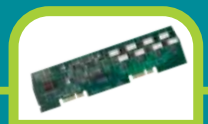
For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

IO Cards

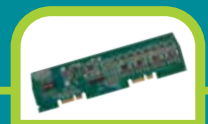
L@titude Fire
2 - 8 Loop Analogue
Addressable Control Panel

Plug in slots

L@titude
16 Channel
I/O Board



L@titude
8 Way
Relay Board



L@titude
8 Way Conventional
Zone Board

L@titude
4 Way
Sounder Board

RS485 bus

The L@titude system is compatible with the Hochiki protocols.

Up to 128 Panels/ Repeaters can be added to the network.

L@titude Vision
Configurable Fire Alarm Repeater

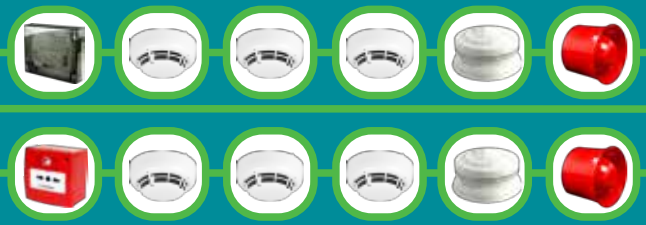
24V DC

L@titude Fire
2 - 8 Loop Analogue
Addressable Control Panel

Loop 3 - Loop 16 (if fitted)

Loop 2

Loop 1



Each loop is capable of hosting up to 127 Hochiki devices.

HFP CP

Conventional Fire Alarm Control Panels

Compatible Equipment & Options

HFP CP-R Repeater Panel

HFP CP Ancillary

Sounder Controller Units

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

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
- Fully programmable using simple menu options
  - Adjustable sounder delay time
  - Sounder configuration options
  - Zonal sounder delay call detectors only
  - Zonal sounder delay call points only
  - Coincidence input selection
  - I.S. Barrier selection by zone
  - Short circuit fire by zone
  - Non latching zones
  - Silent zones
  - Zone input delay
  - General panel configuration
- Simple, singe board construction
- Installer friendly
- Compatible with wide range of detection devices
- Two monitored sounder outputs
- 3 Amp power supply
- Auxiliary power output

Overview

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; re 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 adter 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).

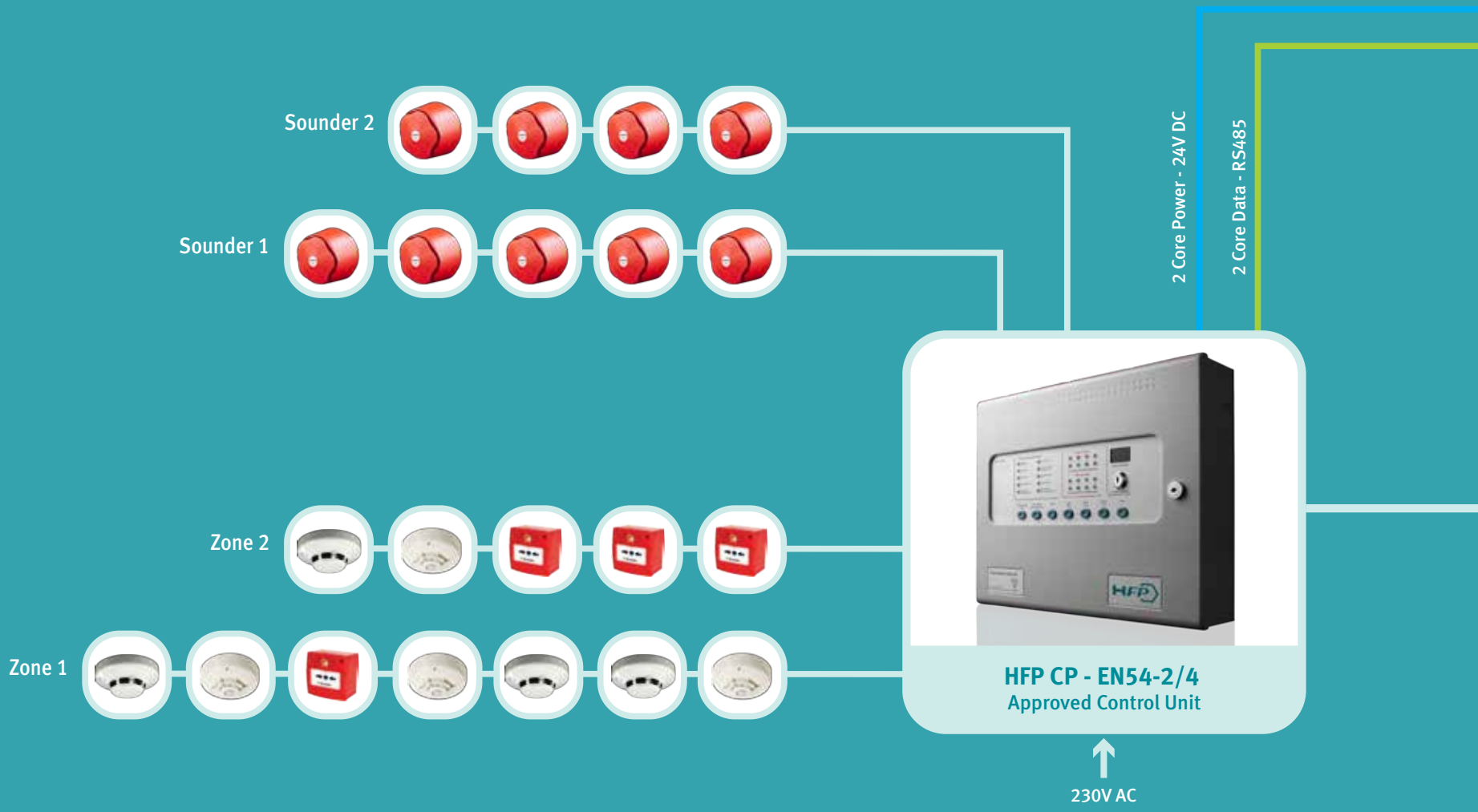
Installation

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-filling at the commissioning stage.

HFP CP panels combine compact and practical styling with the programming power and connectivity required for the most complex and demanding conventional fire alarm system installations.

HFP CP Network Diagram

High Integrity Configurable Network



For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

HFP CP-R (24)
Repeater Panel

Ancillary Board

Ancillary Board

HFP Matrix
Fire Alarm Mimic
Display System

Plant Controls

HFP CP-R (24)
Repeater Panel

24V PSU

Sounder Board

HFP CP-XT

Extinguishant Control Panel

Compatible Equipment & Options

HFP CP-XT Status Units

HFP CP-XT Hold Off Switch

HFP CP-XT Ancillary PCB

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

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
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- 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

HFP XT Overview

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-filling at the commissioning stage.

HFP CP-XT+

Extinguishant Control Panel Multi-Area

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Features

- Approved to EN12094-1, EN54-2 and EN54-4
- 2, 4 or 8 detection zones
- 1 to 4 extinguishant areas
- Dual extinguishant outputs for each area (configurable as Main/Reserve)
- 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

HFP XT Overview

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.

Connectivity

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 and 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 from the 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.

HFP CP-XTSI

Extinguishant Status & Ancillary Units

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

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 keyswitch 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

Ancillary PCB Features

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

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 discared and the unit mounted to a standard UK single gang electrical back box.

The unit has a durable, shrouded push btton 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. 24V DC versions require an additional two cores for power either from the main panel or from another 24V DC source.

Up to 7 Ancillary boards can be connected to a control panel and each is allocated and 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.

HFP CP-XT Network Diagram

High Integrity Configurable Network

Manual Release

Hold Off Unit

Door Interlock

2nd Stage Sounders

1st Stage Sounders

Detection Zone 3

Detection Zone 2

Detection Zone 1

HFP CP-XT - EN12094-1
Approved Control Unit

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Addressable
House Fire Alarm

Ancillary Board

Status Unit

Status Unit

Status Unit

Low Pressure Switch

Released Pressure Switch

Activate Extinguisher

4 Core

Door Interlock

2 Core

Hold Off Unit

2 Core

BMS
Interface

Status Unit

Ancillary Board

4 Core (FP200 max. length 1200m)

HFP PSU
Power Supplies

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

Compatible Equipment & Options

S2014 - 2.5A PSU

S406 - 5.25A PSU

S408 - 10.25A PSU

Overview

The HFP PSU range of 24V DC 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
- HFP PSU-10.25/45SS - 10.25A output and up to 45Ah batteries

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

- S2014 - 2.5A output
- S406 - 5.25A output
- S408 - 10.25A output

MARINE ASM

Marine & Offshore Analogue Addressable
1-2 Loop Control panel

Detectors & Devices

Marine Repeaters

For our full list of Panel Peripherals download your HFP Pricelist from www.hochikieurope.com

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 1000 last events in event log
- Compact, stylish enclosure
- Installer friendly, removable equipment chassis
- Different language and character set variants available
- Fullly EN54-2 and EN54-4 compliant

Ancillary PCB Features

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

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

Your Safety, Our Technology

For our full list of Detector and Devices visit www.hochikieurope.com

Analogue Fire Detection

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

Hybrid Wireless Fire Detection

Hochiki's **FIREwave** system raises wireless levels of reliability and flexibility. The system utilises the latest wireless technology to provide rapid, yet economic hybrid wireless fire system installations with the minimum of disturbance to the surroundings.
Ideal for historic buildings, remote sites and any projects where the installation of fire cabling is difficult, overly expensive or prohibited.

Marine Fire Detection

Hochiki's **MARINE** Approved Analogue Addressable range of products has been designed around the existing world proven **ESP** range, ideal for use on ships, oil-rigs etc. All products utilise the Hochiki **ESP** Protocol and are approved to MED by Germanischer Lloyd.

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 (9.5~30V).
Also included in this range is our Intrinsically Safe Conventional products. The detectors have been approved for hazardous area use by both LPCB and Germanischer Lloyd.

Air Sampling Systems

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.

Ancillary

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.

ESPintelligent

ALN-E(HFP)

A Photoelectric 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
- Pulsing/non-pulsing controlled from panel*
- Addressed via TCH-B100 Hand Held Programmer
- Approved by LPCB & VdS

ATJ-E(HFP)

A Multi 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
- Pulsing/non-pulsing controlled from panel*
- Electronically addressed
- Addressed via TCH-B100 Hand Held Programmer
- LPCB & VdS approved to Classes A, B & C

ACC-E(HFP)

A Multi-Heat 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
- Pulsing/non-pulsing controlled from panel*
- Variable sensitivity
- Electronically addressed
- Addressed via TCH-B100 Hand Held Programmer
- Approved by LPCB & VdS

ACB-EW

An 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
- Pulsing/non-pulsing controlled from panel*
- Electronically addressed
- IP67 rated
- Supplied with fixing base
- Addressed via TCH-B100 Hand Held Programmer & PL-2
- LPCB & VdS approved to Classes A, B & C

**Please ensure control panel compatibility*

ESPintelligent

ESP FIREbeam

An Analogue 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.

- Continually corrects itself against building movement
- Controlled and adjusted from ground level utilising included controller
- 5-40m standard detection range
- Extension kits available to enhance detection range up to 100m
- Fully compatible with the Hochiki ESP analogue addressable protocol

YBN-R/3(HFP

A Common Mounting Base which is fully compatible with hochiki's ESP 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.

- Electronics free
- Stainless steel contacts
- Takes 2.5mm² cables
- SLim profile - only 8mm
- Rugged wiring contacts
- Facility for remote indicator
- Quick connection via sqaure cable clamps

YBO-R/SCI(HFP)

A Loop Isolator Base which is fully compatible with hochiki's ESP Range of Sensors, Beacons, Sounders and Indicators. The unit incorporates an amber LED to show whhen it is isolating a section of the loop.

- Detects short circuits on loop
- Status LED
- Connection of up to 127 per loop
- Supports ESP devices
- Quick connection via square cable clamps
- Available as a DIN Rail Module
- Approved by LPCB

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. When a short-circuit is detected during power up the unit will drop the power to the rest of the loop.

The YBN-R/3(HFP)SCI is compatible with the ESP range of sensors and does not require a loop address. A remote fire LED facility is provided when a sensor is attached to the base.

- Features integral SCI
- Easy to fit
- Slim profile
- Matches standard HFP base colour

ESPintelligent

YBN-R/3(SCI)-OEM

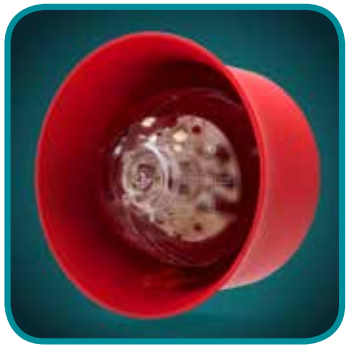
An adaptor featuring an integral short-circuit isolator, which has been designed to be fitted to a standard sensor mounting base (YBN-R/3) to convert it into a short-circuit isolator base. This combined unit will then detect and isolate short-circuits on the loop. When a short-circuit is detected the combined unit will drop the power to the rest of the loop.

- Converts standard mounting base to SCI base
- Easy to fit
- Ultra-slim profile
- Matches standard base colours
- Also available in white
- Sold in a boxed quantity of 10pcs

CHQ-WS2(HFP)

An Addressable 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. Special bases available: YBO-R/3(RED), YBO-R/SCI(RED), YBO-R/3(WHT) and YBO-R/SCI(WHT-SNDR).

- Loop Powered
- Single Loop Address - addressed via the TCH-B100 Hand Held Programmer
- Variable Sound Output 90 ~ 102 dB(A) (±2 dB(A)) output at 1m
- Weatherproof Kit available (WS2-WPK)
- 51 User-Selectable Tones (all tones EN54-3 compatible)
- Auto-shutdown Mode available*
- Approved by LPCB and VdS



CHQ-WSB2(HFP)

An Addressable 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. Special bases available: YBO-R/3(RED), YBO-R/SCI(RED), YBO-R/3(WHT) and YBO-R/SCI(WHT-SNDR).

As per CHQ-WS2 plus:

- Variable flash frequency*
- High Intensity LED technology
- Independent control of Sounder and Beacon*
- Auto-shutdown Mode available - can be set independently for sounder or beacon*
- Addressed via TCH-B100 Hand Held Programmer
- Approved to EN54-23: 2010 - Category 'O'

YBO-BS(HFP)

An Addressable Loop-Powered Base Sounder providing 13 volume levels and 51 tones with a maximum output of up to 98 dB(A) (±2 dB(A)) with low current consumption. The unit is designed to fit either the YBN-R/3 or the YBO-R/SCI Bases.

- Loop Powered
- Single Loop Address - addressed automatically by Control Panel or via the TCH-B100 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
- 51 User-Selectable Tones (all tones EN54-3 compatible)
- Approved by LPCB & VdS

**Please ensure control panel compatibility*

ESPintelligent

YBO-BSB2(HFP)

An Addressable 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. The unit is designed to fit either the YBN-R/3 or the YBO-R/SCI Bases.

- Loop Powered
- Single Loop Address, addressed by either Control Panel or TCH-B100
- 50 ~ 98 dB(A) (±2 dB(A)) output at 1m
- Fits Hochiki Standard or Isolator Base and supports ESP Sensors, Beacons and Remote Indicator
- 51 User-Selectable Tones (all tones EN54-3 compatible)
- Approved to EN54-23: 2010 - Category 'O'

CHQ-CB(HFP)

An Addressable Loop-Powered 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 diameter.

- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Addressable via TCH-B100
- Choice of 2 LED colours (red and white)
- Approved to EN54-23: 2010 - Category 'C'
- High efficiency
- Selectable light output

CHQ-ARI(HFP)

An Addressable 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 ESP Sensor range in shape and colour providing seamless integration.

- High Intensity LED technology
- Addressable via TCH-B100
- Up to 127 devices per loop
- Approved by VdS

CHQ-POM(HFP)

A 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
- Small design, provides simple connectivity to ESP loop for third- party devices, such as IFD-E
- Colour-coded flying leads for simple installation
- Addressed with TCH-B100 Hand Held Programmer & PL-3
- Approved by LPCB & VdS

**Please ensure control panel compatibility*

ESPintelligent

CHQ-SIM(HFP)

A 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.

- Includes a single monitored output
- Small design for simple provision of a monitored input onto an ESP loop
- Flying leads for easy installation
- Addressed with TCH-B100 Hand Held Programmer & PL-3
- Approved by LPCB & VdS

CHQ-SOM(HFP)

A 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 V dc (max), 1 A (resistive load). The CHQ-SOM features three colour-coded flying leads, the unit also features a wiring terminal block for loop connection.

- Includes a single monitored output
- Small design for simple provision of a monitored input onto an ESP loop
- Flying leads for easy installation
- Addressed with TCH-B100 Hand Held Programmer & PL-3
- Approved by LPCB

Lid Colours

Transparent Black

Opaque White

CHQ-DIM(HFP)-SCI

A 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
- Two independent inputs for monitoring of volt-free contacts
- Each input can be configured to monitor either Normally Open or Normally Closed contacts
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB

Lid Colours

Transparent Black

Opaque White

CHQ-DRC(HFP)-SCI

A 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 shutdown. 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
- Two independently controlled changeover relays
- Relays contact rated at 30 Vdc at 1 A
- Auxiliary monitored input
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB & VdS

ESPintelligent

Lid Colours
Transparent Black
Opaque White

CHQ-DSC(HFP)-SCI

A Dual Sounder Controller which has been designed to provide two sounder outputs 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
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1 A
- Auxiliary monitored Input
- 24 Vdc auxiliary power required
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB & VdS

CHQ-MRC2(HFP)-SCI

A Mains Relay Controller providing a single mains rated relay output for the control of such devices as dampers, extractors or plant and equipment shutdown. 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
- Single mains rated relay contact
- Relay contact rated at 250 Vac @ 5A (resistive) & 48 Vdc @ 2A (resistive)
- Auxiliary monitored input
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB

Lid Colours
Transparent Black
Opaque White

CHQ-SZM(HFP)-SCI

A Single Zone Monitor designed to allow up to 6 conventional detectors or 1 SPC-ET/SRA-ET beam detectors 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.

- Loop powered
- Up to 6 Conventional Detectors
- DIL switch addressable
- Single loop address
- Remote LED output
- Fully monitored for Short and Open Circuit faults
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB & VdS

Lid Colours
Transparent Black
Opaque White

CHQ-DZM(HFP)-SCI

A Dual Zone Module designed to allow up to 60 conventional detectors (30 per zone) or up to 6 SPC-ET or SRA-ETs (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.

- Single loop address
- Supports two independent zones of conventional detectors
- DIL switch addressable
- 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

ESPintelligent

Lid Colours
Transparent Black
Opaque White

CHQ-DZM/IS(HFP)-SCI

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
- Approved by LPCB

Lid Colours
Transparent Black
Opaque White

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 shutdown. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

- Single loop address
- Loop powered
- DIL switch addressable
- 4 change-over relay outputs
- 4 independent inputs for monitoring of volt-free contacts
- Each input can be configured to monitor either Normally Open or Normally Closed contacts
- DIN Rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB

HCP-E(HFP)-SCI

A 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-B100 Hand Held Programmer & PL-3
- Surface or flush mounting
- LPCB Approved to EN54

Note - requires SR MOUNTING BOX if surface mounted (sold separately)

HCP-W(HFP)-SCI

An 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-B100 Hand Held Programmer & PL-3
- Surface mounting
- LPCB Approved to EN54
- IP67 rated

FIREwave

RSM-WTM

A Wire to Wireless Translator Module which allows a wireless fire detection system to be interfaced directly onto the loop. Fully loop powered, the unit can support up to 32 wireless devices* or up to 7 RSM-EXP Expander Modules**. A maximum of 6 units can be fitted per loop.

- Loop Powered
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexible on site device adjustment
- IP65 protection for exterior mounting

ACC-EN

A Wireless Expander Module which allows extended signal coverage for the wireless system by boosting signal strengths from translators, to cover larger buildings for example. Up to 7 RSM-EXP Expander Modules** can be supported by a single RSM-WTM Wireless Translator Module.

- Bi-derectional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexibile on site device adjustment
- IP65 protection for exterior mounting
- Makes additions to existing wired systems easy and cost effective
- Requires external power supply (24 Vdc)

The RSM-WTM Translator Module (T) is fitted to the analogue addressable fire system loop. It then provides an interface between the loop and the wireless devices. The module is fully powered by the loop and full control and monitoring of the wireless devices is possible through the control panel.

The RSM-EXP Expander Module (E) allows the wireless system to provide greater coverage by receiving and re-transmitting the boosted wireless signal.

* *Maximum number of 16 output devices as A/V or output modules.*

** *Maximum of 5 child Expander Modules connected in cascade or a maximum of 3 child Expander Modules connected direcly to the Translator Module or another Expander Module.*

FIREwave

RSM-IP

A Wireless Single Channel Input Module which allows the on/off status (alarm/fault) of an external device to be transmitted to a control panel wirelessly via an RSM-CIM, RSM-EXP or RSM-WTM.

- Input circuits are monitored for fire and fault conditions
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexible on site device adjustment

RSM-OP

A Wireless Single Channel Output Module which allows the control panel to activate/switch the circuits of an external device wirelessly via an RSM-EXP or RSM-WTM. The unit's contacts can be configured to be normally open or normally closed and switch at 40 Vdc/125 Vac at 2 A.

- Contacts can be configured as N/O or N/C Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- Requires external power supply

RSM-POM

A Wireless Powered Output module which allows the control panel to activiate/switch the circuits of an external device or system wirelessly via an RSM-CIM, RSM-EXP or RSM-WTM. The unit's contacts can be configured to be normally open or normally closed and switch at 30 Vdc / 125 Vac at 2 A. The unit can be configured to provide either a 12 Vdc or a 24 Vdc output

- Contacts can be configured as N/O or N/C
- Selectable output - 12 Vdc or 24 Vdc Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexibile on site device adjustment
- Makes additions to existing wire systems easy and cost effective
- Requires external power supply

RSM-STK

A comprehesive Wireless System Survey and Test Kit housed in a rugged case. The kit allows for one man radio integrity surveys to be carried out to determine the optimum installation locations fo the FIREwave Translators, Expanders and field devices.

Kit comprises:

- Transmitter/receiver head unit
- Extension pole
- Receiver keypad
- Transmitter unit
- Power supply

FIREwave

RSM-CP

A 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.

- Bi Directional wireless communication
- Fully intelligent
- Utilises standard low cost lithium battery technology
- Long battery life
- Resettable Element
- Clear 'device activated' warning flag
- High reliability
- Self optimising wireless amplitude and frequency

ROD-E

A Wireless Intelligent Photoelectric Smoke Sensor with a patented smoke chamber ensuring optimal smoke sensitivity with increased protection from airborne contamination and background illumination. The sensor is fitted with a single omni-directional LED and a reed switch facility allowing testing using a magnet.

- Patented smoke chamber design
- Bi-directional wireless communication
- Adaptive signal processing helps with the elimination of false alarms
- Automatic wireless channel hopping
- Fully intelligent with high reliability and sensitivity
- Flexible on site deivce adjustment
- Makes additions to existing wired systems easy and cost effective

RHD-E

A Wireless Intelligent Rate of Rise Heat Sensor with a termistor sensing element. The sensor is fitted with a single omni-directional LED and a reed switch facility allowing testing using a magent.

- Thermistor-type heat sensing element
- Bi-directional wireless communication
- Adaptive signal processing helps with the elimination of false alarms
- Automatic wireless channel hopping
- Fully intelligent with high reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective

RMD-E

A Wireless Intelligent Multi Sensor with a patented smoke chamber and themistor heat sensing element. The sensor is fitted with a single omni-directional LED and a reed switch facility allowing testing using a magent.

- Detects smoke and/or heat
- Bi-directional wireless communication
- Adaptive signal processing helps with the elimination of false alarms
- Automatic wireless channel hopping
- Fully intelligent with high reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired system easy and cost effective

FIREwave

RSM-WS(RED)

A Wireless Intelligent Wall Sounder providing 3 tones with an adjustable volume4 level up to a maximum output of 100 dB(A), adjustable own in increments of 6 dB(A). Also available in white, RSM-WS(WHT).

- 3 Tones, adjustable volume up to 100 dB(A)
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- IP21C

RSM-WS/W(RED)

A Wireless Intelligent WEatherproof Wall Sounder providing 3 tones with an adjustable volume level up to a maximum output of 100 dB(A), adjustable down in increments of 6 dB(A). Also available in white, RSM-WS/W(WHT).

- 3 Tones, adjustable volume up to 100 dB(A)
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- IP66

RSM-WSB(RED)

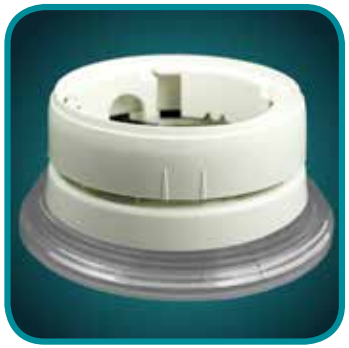
A Wireless Intelligent Wall Sounder Beacon providing 7 tones with an adjustable volume level up to a maximum output of 100 dB(A), adjustable down in increments of 6 dB(A). Also provides a flash rate/light output of 1 Hz/1 Cd and is available in white RSM-WSB(WHT).

- 7 Tones, adjustable volume up to 100 dB(A)
- Flash rate/light output of 1 Hz/1 Cd
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- IP21C

RSM-WSB/W(RED)

A Wireless Intelligent Weatherproof Wall Sounder Beacon providing 7 tones with an adjustable volume level up to a maximum output of 100 dB(A), adjustable down in incremements of 6 dB(A). Also provides a Flash Rate/Light Output of 1 Hz/1.

- 7 Tones, adjustable volume up to 100 dB(A)
- Flash rate/light output of 1 Hz/1 Cd
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- IP66



FIREwave

RSM-BS

A Wireless Intelligent Base Sounder providing 32 tones as standard with a volume range of between 90.1 to 92.4 dB(A) at 1 metre. The pre-moulded base will accommodate any type of FIREwave wireless detector, or a lock cover plate (RSM-C)

- 32 Tones, adjustable volume from 90.1 to 92.4 dB(A)
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems

RSM-BSB

A Wireless Intelligent Base Sounder Beacon providing 32 tones as standard with a colume range of between 90.1 to 92.4 dB(A) at 1 metre and a 1 Hz flash rate. The pre-moulded base will accommodate any type of FIREwave wireless detector, or a locking cover plate (RSM-C)

- 32 Tones, adjustable volume from 90.1 to 92.4 dB(A)
- Flash rate of 1 Hz
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems.

MARINE

ALG-ENM

A Marine Approved Analogue Addressable Photoelectric 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
- Pulsing/non-pulsing controlled from panel*
- Approved to MED by GL
- GL Type approval

ACB-EM

A Marine Approved Analogue Addressable Multi-Heat Sensor incorporating a variable Fixed Temperature heat element and a 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
- Adaptive signal processing helps with the elimination of false alarms
- Twin fire LEDs allow 360° viewing
- Pulsing/non-pulsing controlled from panel*
- Electronically Addressed
- Approved to MED by GL
- GL Type approval
- Approved by LPCB to Classes A, B & C

YBN-R/3M

A Marine Approved Common Mounting Base which is fully compatible with Hochiki's ESP Range of Marine Approved Sensors. Supplied with square cable clamps for secure and reliable cable termination and is also capable of driving a remote LED if required.

- Electronics free
- Supports ESP Marine Approved Sensors
- Takes 2.5mm^2 cables
- Slim profile - only 8mm
- Facility for remote indicator
- Quick Connection via square cable clamps
- Approved to MED by GL
- GL Type approval
- Approved by LPCB

YBO-2/SCIM

A Marine Approved Loop Isolator Base which is fully compatible with Hochiki's ESP Range of Marine Approved Sensors. The unit incorporates an amber LED to show when it is isolating a section of the loop.

- 7 Tones, adjustable volume up to 100 dB(A)
- Flash rate/light output of 1 Hz/1 Cd
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- IP66

**Please ensure control panel compatibility*

MARINE

Lid Colours
Transparent Black
Opaque White

CHQ-DIM/M(SCI)

A Marine Approved Analogue Addressable Dual Input Module designed to interface to a variety of inputs such as door contacts, sprinkler flow/ door switches and plant equipment. Features an integral short-circuit isolator.

- Loop powered
- Single loop address
- Two independent inputs for monitoring of volt-free contacts
- Each input can be configured to monitor either Normally Open or Normally Closed contacts
- Features an integral short-circuit isolator
- Approved to MED by GL

Lid Colours
Transparent Black
Opaque White

CHQ-DRC/M(SCI)

A Marine Approved Analogue Addressable 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 shutdown. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. Features an integral short-circuit isolator.

- Loop powered
- Single loop address
- Two independently controlled changeover relays
- Relays contact rated at 30 Vdc at 1A
- Auxiliary monitored input
- Feature an integral short-circuit isolator
- Approved to MED by GL
- GL Type approval
- Approved by LPCB

Lid Colours
Transparent Black
Opaque White

CHQ-DSC/M(SCI)

A Marine Approved Analogue Addressable 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. Features an integral short-circuit isolator.

- Single loop address
- Two independent sounder circuits
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1A
- Auxiliary monitored Input
- Outputs are synchronised and can be driven continuously or intermittently
- 24 Vdc auxiliary power required
- Features an integral short-circuit isolator
- Approved to MED by GL
- GL Type approval
- Approved by LPCB

Lid Colours
Transparent Black
Opaque White

CHQ-SZM/M(SCI)

A Marine Approved Analogue Addressable Single Zone Monitor designed to allow up to 6 marine approved conventional detectors to be interfaced to Hochiki's ESP analogue addressable system. Features an integral short-circuit isolator.

- Loop powered
- Up to 6 Conventional Detectors
- Single loop address
- Remote LED output
- Fully monitored for Short and Open Circuit faults
- Features an integral short-circuit isolator
- Approved to MED by GL
- GL Type approval
- Approved by LPCB

MARINE

HCP-EM

A Marine Approved Analogue Addressable Manual Call Point fully compatible with Hochiki's ESP analogue addressable protocol and featuring plug-in wiring terminals for easy installation.

Note - requires SR MOUNTING BOX if surface mounted (sold separately)

- Fast response
- Status LED
- Non-frangible element fitted as standard (conforms to EN54)
- Addressed with TCH-B100 Hand Held Programmer
- Surface or flush mounting
- Weatherproof IP67 version available (HCP-WM)
- Approved to MED by GL

HCP-WM

An 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-B100 Hand Held Programmer & PL-3
- Surface mounting
- LPCB Approved to EN54
- IP67 rated

MBB-1

A Marine Back Box providing a splash proof and secure fixing for the Hochiki ESP and CDX Marine Approved 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
- Approved to MED by GL
- GL Type approval
- Non-marine use version available (SBB-1)

YBN-R/6M

A Marine Approved Conventional Detector Mounting Base for the CDX Marine Approved Range of Detectors and fully compatible with the majority of existing conventional fire alarm control panels.

- Integral remote indicator output
- Low profile, only 8mm
- Rugged design
- Electronics free
- Quick connections via square cable clamps
- Accepts 2.5mm^2 cables
- Bayonet slot, low insertion force for detectors
- Approved to MED by GL
- GL Type approval

MARINE

SLR-E3NM

A Marine Approved Conventional Photoelectric Smoke Detector which is fully compatible with the majority of existing Marine Conventional systems and incorporates a remote indicator output.

- Removable, High Performance chamber
- Remote indicator output
- Wide voltage range (9.5 ~ 30 Vdc)
- Low profile design with one pieceouter cover
- Twin fire LEDs allow 360° viewing
- One master base
- Approved by LPCB
- Approved to MED by GL

DCD-AE3M

A Marine Approved 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
- Approved by LPCB
- Approved to MED by GL
- GL Type approval

RHD-E

A Marine Approved 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
- Approved by LPCB
- Approved to MED by GL
- GL Type approval

CDXconventional

SLV-E3(HFP)

A Conventional Photoelectric Smoke Detector, which is fully compatible with the majority of existing Conventional systems. A third terminal provides an integral remote indicator output.

- Removable, High Performance Chamber
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 Vdc)
- Low profile design with one piece outer cover
- Twin fire LEDs allow 360° viewing
- Range of mounting bases
- Approved by LPCB

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

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

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

CDX conventional

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 CDX range of 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
- Fits any of the CDX Range of mounting bases
- Twin LEDs for 360° view
- Approved by LPCB & VdS

IFD-E

A Conventional IR³ Infra-Red 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.

- Class 1 sensitivity to EN54-10 detects 0.1m² fire @ 25m
- Excellent optical interference immunity (solar blind)
- Selectable output options - conventional 2-wire, 4-20mA, latching or non-latching relay contacts, fire/fault, pre-alarm
- Selectable response speed
- Optical self-test
- Low power consumption
- Approved by LPCB
- SIL Capable

CDX conventional

IFD Flame Detector Tester

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.

- Flame-free UV testing, ideal for hazardous areas
- Simple to use hand held unit with rechargeable NiCd battery pack and charger
- Tests many Flame Sensors Types UV, UV/IR, UV/IR^2, IR^3, IR^2, IR
- Range typically 3m and beyond
- Selectable optical output intensity with LED bar graph indication

SPC-ET(HFP)

A Conventional Beam Smoke Detector that consists of an emitter and receiver that cover a distance of 5 - 100m providing a maximum coverage of 1500m^2. Features an automatic signal strength adjustment facility and is also available with a latching or a non-latching relay.

- 5 - 100m range
- Automatic compensation
- Automatic signal strength adjustment
- Emitter unit can be powered direct from zone (or loop)
- Features a Latching or Non-Latching Fault Relay
- Can be interfaced onto ESP system via CHQ-DZM(SCI) or CHQ-SZM(SCI)
- GL Type approval
- Approved by LPCB & VdS

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 2.5mm^2 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
- Wide voltage range - can be used in security systems
- Rugged design
- Quick connections via square cable clamps
- Accepts up to 2.5mm^2 cables
- Bayonet slot, low insertion force for detectors
- Approved by LPCB

CDX conventional

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 2.5mm^2 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 2.5mm^2 cables
- Bayonet slot, low insertion force for detectors
- Approved by LPCB

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

CSB-E

A Conventional Base Sounder which has been designed to complement the CDX range of detectors. Improved electronic design enables very low current consumption whilst providing a range of tones and volumes selectable from each unit.

- Robust design
- Low current consumption
- Easy to install
- Maximum 93 dB(A) @ 1m (Tone 1)
- 32 user-selectable tones and 3 user-selectable volumes
- Lockable cap available (CS/CAP)

CDX conventional

CSBB-E

A Conventional Base Sounder Beacon which has been designed to complement the CDX range of detectors. Improved electronic design enables very low current consumption whilst providing a range of tones and volumes selectable from each unit. Features integral beacon.

- Robust design
- Low current consumption
- Easy to install
- Maximum 93 dB(A) @ 1m (Tone 1)
- 32 user-selectable tones and 3 user-selectable volumes
- Utilises high intensity LEDs
- Lockable cap available (CS/CAP)

CWSB-E

A Conventional Wall Sounder Beacon with improved electronic design enables very low current consumption whilst providing a range of tones and volumes selectable from each unit. Features integral beacon. The unit can be used without a detector by the addition of a lockable cap (CS/CAP).

- Robust design
- Low current consumption
- Easy to install
- Maximum 113 dB(A) @ 1m (Tone 15)
- 32 user-selectable tones
- Utilises high intensity LEDs

BANSHEE EXCEL

An Electronic Conventional Sounder which can be installed internally.

- Robust design
- Low current consumption
- Easy to install
- Maximum 110 dB(A) at 1m (dependent on tone selected)
- 32 user-selectable tones
- Approved by VdS

BANSHEE EXCEL IP66

An Electronic Conventional Sounder comes with a deeper IP66 back box, which enables the unit to be installed externally.

- Robust design
- Low current consumption
- Easy to install
- Deep base provides IP66 protection
- Maximum 110 dB(A) at 1m (dependent on tone selected)
- 32 user-selectable tones
- Approved by VdS

CDX conventional

BANSHEE EXCEL LITE

An Electronic Conventional Sounder Beacon which can be installed internally.

- Robust design
- Low current consumption
- Easy to install
- Xenon beacon technology
- Maximum 110 dB(A) at 1m (dependent on tone selected)
- 32 user-selectable tones
- Approved by VdS

BANSHEE EXCEL LITE IP66

An Electronic Conventional Sounder Beacon comes with a deeper IP66 back box, which enables the unit to be installed externally.

- Robust design
- Low current consumption
- Easy to install
- Xenon beacon technology
- Deep base provides IP66 protection
- Maximum 110 dB(A) at 1m (dependent on tone selected)
- 32 user-selectable tones
- Approved by VdS

MBF-6EV

A Conventional Alarm Bell six inches diameter and for internal use, based upon the industry standard KOBELL range.

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

CSB-E

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
- Simple installation with multi-fixing base plate
- Approved by LPCB

CDXconventional

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.

Supplied complete with SR-BACKBOX for surface mounting.

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

CCP-W

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

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

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
- Terminals can accommodate up to a 2.5mm solid conductor
- Supplied in RED - other colours available on request
- Supplied with back box for surface fixing
- Suitable for fire, security and other specialist applications

CDX intrinsically safe

SLR-E-IS(WHT)

A Conventional I.S. Photoelectric Smoke Detector designed for use in hazardous areas. Incorporates a remote indicator output and a removable chamber for easy maintenance.

- Removable, High Performance chamber
- Twin fire LEDs allow 360° viewing
- Supported by a range of barriers
- 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 IECEx

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 IECEx

YBN-R/4IS(WHT)

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 2.5mm^2 cables
- Quick connection via square cable clamps
- Electronics free

CCP-E-IS

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

- Supports either a ‘Frangible Glass’ element or a ‘Non Frangible Plastic’ element
- Terminals can accommodate up to a 2.5mm^2 solid conductor
- Approved to EN54 Part 12
- Rugged design
- ATEX Classification to: *II 1G EEx ia IIC T4*

CDXintrinsically safe

MTL7728+

A Zener-Diode Barrier which is intrinsically safe and zone-powered, for use in conventional fire detection systems for protection within hazardous areas. Certified 'ia' for all zones and 'IIC' for all explosive atmospheres. Can be used with the IFD-E(IS) Flame Detector.

- Simple installation onto standard DIN 'top-hat' railing
- Simplified installation and maintenance using plug-in connectors
- Input circuit protected against reverse polarity
- Supports 2 zones of I.S. Detectors

MTL7787+

A Zener-Diode Barrier which is intrinsically safe and zone-powered, for use in conventional fire detection systems for protection within hazardous areas. Certified 'ia' for all zones and 'IIC' for all explosive atmospheres.

- 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 one zone of I.S. products

MTL5561

A Galvanic Isolator for use in conventional fire detection systems for protection within hazardous areas.

The unit has reverse input polarity protection. Certified for use in Zone 0, IIC, T4-6 hazardous areas.

- Simple installation onto standard DIN railing
- Simplified installation and maintenance using plug-in connectors
- Input circuit protected against reverse polarity
- Supports two zones of I.S. Detectors

IFD-E(IS)

An Intrinsically Safe Conventional Infra-Red 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
- Tolerant of fumes, vapours, dust and mist
- ATEX certification to: EEx ia IIC T4 (135°C) (zones 0, 1 and 2)
- Responsive to a flame more than 25m away
- Selectable response speed
- Class 1 performance as defined in BS EN54-10:2002 (on the high sensitivity setting)
- Approved by LPCB
- SIL Capable

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.

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

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.

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

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.

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

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”.

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

FIRElink

FIRElink-NANO

A Single Pipe Air Sampling Detector designed to provide very high sensitivity smoke detection. The unit will automatically setup for easy installation.

- Ultra small, low cost aspirating smoke detector for easy and discreet installation
- High sensitivity provided by laser based forward light scatter for reliable early warning
- Single sampling pipe up to 50m in length (still air)
- Easy commissioning without the need for a PC. Can be commissioned with a PC by installing Communication Card FIRElink Nano Only (FL-CC)
- Approved LPCB

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.

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

FL-APIC

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

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

FIRElink Sampling Pipes

and connectors used in conjunction with the FIRElink Range of Air Sampling Detectors. The PipeCAD 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.

FIREvac® EN

Hochiki's FIREvac EN range of voice alarm and disabled refuge equipment is designed to provide fully BS EN54-16 compliant voice alarm and communication systems, suitable for installation in a wide range of environments.

A voice alarm system has to work when needed during an emergency and is, therefore, fully monitored at all times. A combination of clear pre-recorded messages and live announcements (to selected areas) enable a controlled and gradual or 'phased' evacuation.

Activated automatically by the fire alarm panel during an emergency, the system will, typically, evacuate areas in immediate danger and alert others. Used on a daily basis for public address, timed spot announcements for advertising or general information and background music, the voice alarm system is not just for use during emergencies.

The FIREvac EN DSP-controlled voice alarm routers are all BS EN54-16 certified.

- Phased evacuation
- Multi-lingual digital messaging
- Selectable pre-recorded messages
- Microphone priority handling
- Induction loop
- Public information announcements
- Advertisement injection
- Background music for ambience
- Broadcast of opening/closing times

CARE2 is a radial wired emergency voice communication system which is versatile and easy to use:

- Stylish, versatile and easy to operate
- Suitable for small or large systems - fully networkable
- Monitored roaming telephone handsets - enables use with confidence
- Facilitates clear communication during an emergency event
- Ideal for retro-fitting old star-wired systems
- Simple to navigate and control
- Activity/fault log
- Ethernet port for configuration diagnostics and accessing activity/fault log
- Any combination of outstation on one system

ANCILLARY

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

TCH-B100

A Hand Held Address Programmer designed to address the ESP range of Sensors and other addressable 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.

(shown with sensor fitted – not supplied)

- Lightweight Design
- Quick and Reliable Addressing
- Over 8000 address settings from one battery
- Displays Sensor Analogue Value

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)

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

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.

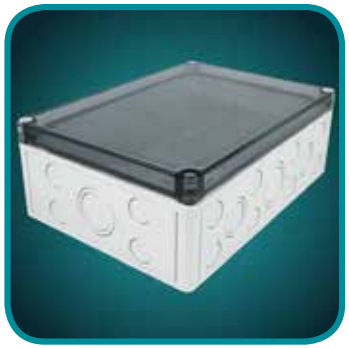
- Compatible with the majority of existing Analogue and Conventional bases
- Colour matches standard Hochiki Analogue and Conventional sensor/ detector/base ranges
- 4 pre-moulded knock-outs provide wiring entry
- Low profile - only 16mm

ANCILLARY

TE-TLE

A Loop Emulator System which consists of Software and a Hardware Interface that together allow a 'virtual' loop to be created on a PC connected to a Fire Alarm Control Panel. In this way, a complete fire detection system can be tested and proven before any actual hard-wiring commences, saving time and resources.

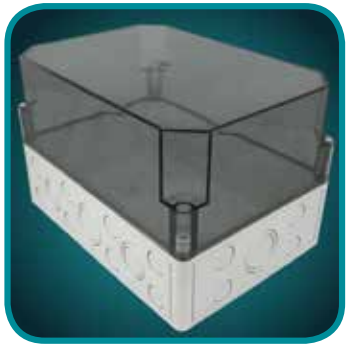
- Allows simulation of up to 4 loops of Hochiki analogue devices (127 per loop)
- System 'Cause and Effect' can be verified along with double address and short circuit simulation
- Saves time and installation costs as whole system can be tested 'virtually'



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.

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



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.

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

DIN rail supplied

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.

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

DIN rail supplied

NOTES:

NOTES:

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CPD MEMBER Construction CPD Certification Service

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