

# FIRE DETECTION AND WARNING EQUIPMENT

**1300 INCITE**  
[www.incitefire.com.au](http://www.incitefire.com.au)

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## Company Overview

Commencing operations in 1999, Incite Fire has quickly become a leading supplier for quality fire detection products and ancillaries. Incite Fire supplies Hochiki fire panels and detectors, gas panels and detectors, fire extinguishing and mimic panels, Securiton aspirated smoke detection, QE90 emergency warning evacuation systems and a range of ancillaries including door holders, sounders, BOSCH speakers, STI call points and guards, Potter sprinkler monitors, extinguishers and fire blankets as well as the specialised HFT and "Greenstar" conduits.

Incite Fire have offices in Sydney, Melbourne, Brisbane, Western Australia and a distributor in South Australia. Incite Fire also have a manufacturing/assembly factory located in Sydney.



Sydney Panel Assembly / Customisation Operation



Incite Fire Sydney Office

## Products

### Conventional

Incite Fire stock the complete range of Hochiki detectors, as well as a selection of conventional panels which can be customised to suit your requirements.

### Analogue

Incite Fire is the national distributor of Kentec (Hochiki) fire panels, Hochiki addressable detectors and field modules.

### SECURITON

Incite Fire distribute the Securiton range of ASD products throughout Australia. Aspirating smoke detectors from Securiton provide precise and reliable early warning detection systems against fires. Securiton have a complete range of models that quickly identify the presence of smoke. These cover a wide range of applications and are cost effective.

### Warning Systems

Incite Fire supplies OWS warning systems and accessories to suit your requirements, as well as EWIS panels to suit any site specifications.

### Ancillaries

Incite Fire have a comprehensive range of ancillary devices including KAC manual call points, a selection of speakers, sounders and strobes. We also stock a range of magnetic door holders to suit many different applications including the new brass and chrome finish door holders for more prestigious application.

### Special Application

A selection of detection equipment for special applications including Spectrex flame detectors, and firewire. Also available is intrinsically safe equipment and detectors suitable for marine applications.

### Miscellaneous

For convenience we also stock a selection of tools, fixings, enclosures & cable.



For further information Call: 1300 INCITE (462483) Or visit us at: [www.incitefire.com.au](http://www.incitefire.com.au)

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**Catalogue Disclaimer**

1.1 The information contained in this catalogue is obtained from the various manufacturers of the products. We are merely passing the information to you. We do not guarantee that the information is correct. Prior to making a decision to purchase you should confirm the details of the product with an alternative source directly.

1.2 Product descriptions and specifications are subject to change at any time, without notice.

1.3 We do not guarantee that any particular product will be available for sale. The availability for sale of the products described in this catalogue depends on the manufacturer and is beyond our control. This catalogue is not an offer of sale.



## Taktis

### Analogue Addressable 2-16 Loop Control Panels



**TAKTIS-S1  
TAKTIS FIRE PANEL**  
(H) 585 x (W) 420 x (D) 167



**TAKTIS-S2  
TAKTIS FIRE PANEL**  
(H) 710 x (W) 500 x (D) 167



**TAKTIS-S3  
TAKTIS FIRE PANEL**  
(H) 1065 x (W) 560 x (D) 239

## Product Overview

The Taktis product range 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 large graphical touch screen provides a clear, uncluttered and intuitive interface so the end user requires minimal training.

Available in 4 slot and 8 slot variants, with each slot supporting a 2 loop detection card, the Taktis fire control panel ranges from 2 to 16 detection loops.

The generous quantity of sounder circuits, relays and inputs provided as standard can be further increased by the addition of one or more Taktis I/O plug in expansion cards.

The Taktis Network Card allows networking of up to 128 panels and repeaters meaning that Taktis can provide reassurance to all building owners/ operators whether responsible for a small system or a large complex.

Taktis Vision panels can be connected to the Taktis network to provide a fully functional repeater in a compact enclosure.

The remote management features offered by Virtual Resource can result in reduced fault calls, improved technical support, efficient and proven maintenance, reduction of unwanted alarms, a full audit trail and improved overall service to the end user.

## Standard Features

- 2 to 8 loop or 2 to 16 loop versions
- 500 milliamp loop current
- 4 programmable sounder circuits each rated at 2.5 Amps
- 5.25 Amp or 10.25 Amp power supply options
- 3 programmable inputs
- 5 programmable relay outputs
- Up to 512 programmable I/O via optional plug in and serially connected expansion cards
- Hard wired fire and fault routing inputs and outputs
- Modular electronics
- Over 4000 sub address points per panel
- COINCIDENCE, OR and AND operators in cause and effects
- Option to "invert" inputs and outputs
- Powerful, standard configuration templates
- Network up to 128 panels
- Configurable via USB port to PC or memory stick



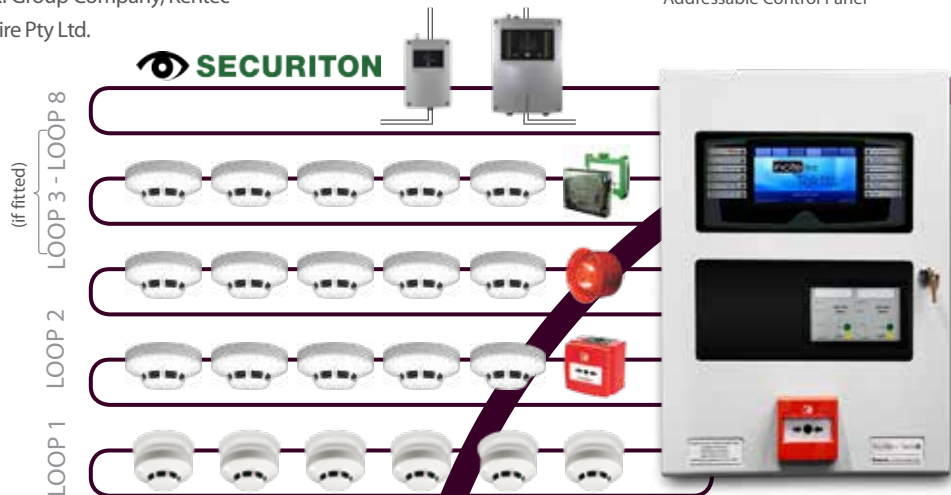
# HOCHIKI SYSTEM (2-16 LOOP TAKTIS PANEL)

HIGH INTEGRITY CONFIGURABLE NETWORK

Control Panel is manufactured by Hochiki Group Company, Kentec Electronics Ltd. and distributed by Incite Fire Pty Ltd.

TAKTIS  
2-8 Loop Analogue  
Addressable Control Panel

Each loop is capable of hosting a combination of: 127 detectors and devices, plus 127 Sounder Bases (254 in total)



**TAKTIS DISPLAY**  
Taktis utilises a full colour, 7" 800x480 touch screen graphical display to provide a clear, simple and intuitive user interface. 80 character zone location and 80 character device messages allow a clear, concise description of each detection device location to be configured.

**TAKTIS DISPLAY - FUNCTION BUTTONS**  
Up to 24 customer specific function buttons may be configured to provide control, disablement and engineering functions. The functions buttons can be configured to be either available or hidden for each log in profile.



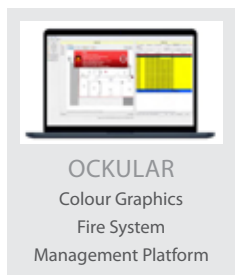
COMING SOON

## TAKTIS VIRTUAL RESOURCE

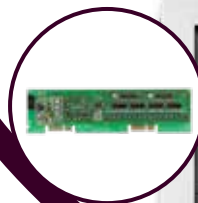
VR ACCESS - Access data from all your systems



TAKTIS VISION-N  
Configurable Fire Alarm Repeater  
24Vdc



Media Gateway

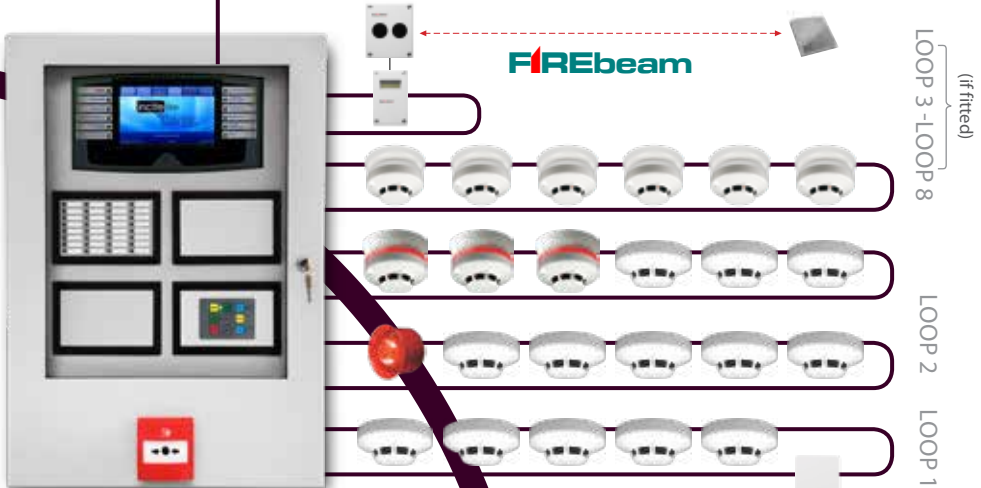


COMING SOON



TAKTIS  
2-16 Loop Analogue  
Addressable Control Panel

TAKTIS  
2-8 Loop Analogue  
Addressable Control Panel



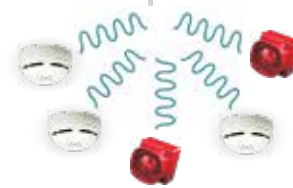
**USER ACCESS**

Level 2 Fire Brigade screen by opening door  
Level 3+ by unique 6 digit programmable passcodes

Up to 64 individual login accounts can be configured, with different profiles and access permissions.

**EVENT LOG**

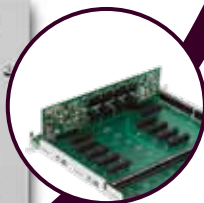
A 10,000 entry event log records all system activity to 1 second resolution. The log is held in secure memory and is retained when power is removed from Taktis. Powerful filtering allows the log to be sorted by event type, between dates, by zone, by panel and by address. Using the LE2 (Loop Explorer 2) configuration program, the event log can be downloaded and stored as a CSV (comma separated values) format.



**FIREwave**

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

1/0 Cards



**OPTIONAL EXPANSION BOARDS**

Plug in slots



TAKTIS-K772  
16 Channel  
I/O Board

TAKTIS-K791  
8 Way  
Relay Board

TAKTIS-K792  
8 Way Conventional  
Zone Board

TAKTIS-K793  
4 Way  
Sounder Board

**FULL RANGE OF SYNCRO 1/0 BOARDS AVAILABLE**

RS485 Bus



SYNCRO-K545  
4 Way Conventional  
Zone Board

SYNCRO-K560  
16 Channel  
I/O Board

SYNCRO-K547  
8 Way  
Relay Board

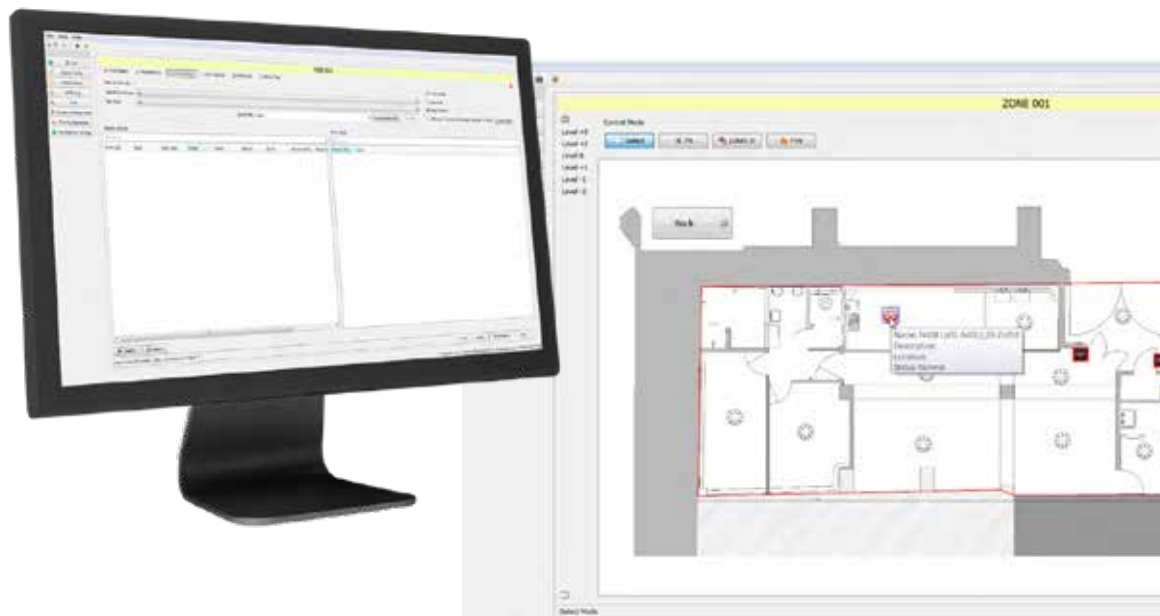
SYNCRO-K546  
Monitored Output  
Board

TAKTIS  
2-16 Loop Analogue  
Addressable Control Panel

## OCKULAR

A powerful and sophisticated software solution, Ockular gives building managers complete monitoring and control over fire detection, providing a comprehensive fire risk and incident management system.

Where time is of the essence, site managers can respond quickly and efficiently to a fire event. Ockular plays a crucial role in safeguarding people, vitally important information and property.



## Product Overview

### Visual Fire Management

Ockular can automatically switch to the area on the site map to where a fire device has been activated to quickly view an event and begin immediate investigation. In addition, it will show the relevant muster and fire control points.

### Immediate Response

With Ockular, operators and users are alerted to an event as soon as it occurs and are directed to the location of the event.

### Flexibility

Ockular enables permissions to be given to users. There are four default user accounts configured upon installation. Additional accounts can be created by the administrator.

### Fire System Maintenance

A maintainer's area provides dedicated functions for a fire alarm system's maintenance team. A comprehensive list of all fire devices along with their statuses, cause and effect rules and integration settings allows operators to quickly view a device, make changes and disable devices all from one workstation.

## Standard Features

- Supports dual screens, allowing a dedicated screen for the 2D location images and a separate screen for listing active events and system management
- Fully configurable on site using administrator login
- Reports configuration mismatch errors – ensuring that the graphics system is properly maintained and updated whenever there are any panel configuration revisions
- Powerful event log filtering and reporting
- Manage the state of the fire system using a combination of graphical images and system controls
- Programmable macro buttons to perform panel control operations
- Full map navigation using configurable buttons or map areas
- Device analogue value reporting
- Perform device and zone disablements/enabements

## Product Overview

### Taktis touch screen repeater

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.

Taktis Vision 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.

## Standard Features

- Robust, full colour, 7" 800 x 480 touch screen graphical display
- Full indication of all information displayed at the fire control panel
- Automatic display brightness adjustment
- Silenceable internal buzzer
- Connections Via: Control panel RS485 bus
- Option to connect to control panel network
- Low current, 24V DC powered

## TAKTIS-VISION-N

Configurable Fire Alarm Repeater  
24V DC



## Product Overview

### Fire Alarm Management Solution

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

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

Upgrade options to interface with two-way radio systems, ESPA telephone and pager modules. Speech diallers are available and connectivity via GSM will be provided for sites where internet connectivity is not available.

Event notifications are triggered and processed immediately. Email or mobile phone messages can be routed to any number of recipients based on the fire alarm event types. These include fire, pre-alarm, fault, disable, in test, technical alarm and security.

As events are sent immediately, this reduces false alarms as it allows alarms to be investigated before sounding to prevent unnecessary evacuation.

Modbus connectivity enables a simple, low-cost integration into building management systems.

RS232 serial connection is provided for compatible panels with 16 switched inputs (0V) to interface conventional fire alarm systems or any device providing a switched output.

Through Mass Notification, Vizulinx keeps the occupants and key emergency responders aware of alarm conditions with location description or area messages and required event actions.

Provides building managers & service organizations instant updates on any faults & fire alarm activity, thus providing convenience and time-saving efficiencies.

## Standard Features

- Monitor fire alarm activity on your workstation or device
- Receive alerts by email, SMS or pager
- Easy user subscription function - opt in opt out via text
- Defined message notification for managers, engineers or building occupiers
- Compatible with Modbus protocols
- Configurable via web browser - No PC software required
- USB, WiFi connectivity (via dongle)
- Quick setup, user friendly operation
- Internal memory event log
- Isolated RS232 port
- A convenient and cost effective solution
- Housed or module only options
- DIN rail mountable (module only)

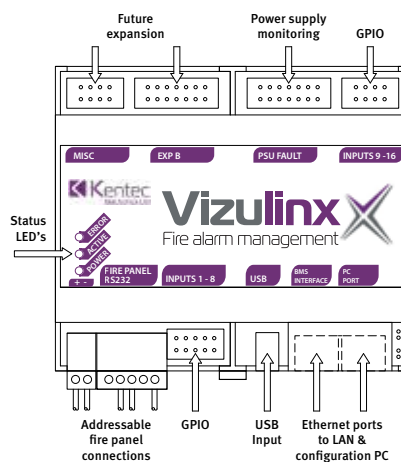
## VIZULINX



Module Only



Housed Version



Modbus





## TAKTIS LOOP EXPLORER 2

Loop Explorer 2 (LE2) is a configuration software which is easy to use even when producing the most complex configurations.



### Product Overview

LE2 is highly configurable, enabling 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 operators 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 LE2 to far beyond what was previously achievable.

LE2 can also be used to select, (where applicable) the appropriate detection loop protocol. It is possible to run different loop protocols on individual loop cards. Powerful standard templates allow rapid configuration of common fire system configurations for applications such as high-rise buildings or alarm verification from hotel rooms.

Access to LE2 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.

### Standard Features

- Highly configurable software
- Powerful standard templates allow rapid configuration
- Taktis Virtual Resource subscribers can store LE2 configuration files
- Enables customisation of languages, colour schemes and company logos
- Cause and effect allows the configuration of large, complex networks with ease.

## TAKTIS VIRTUAL RESOURCE - Coming Soon

Virtual Resource is an advanced management tool for fire detection which 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 their systems. End-users and facilities managers can also greatly benefit from the powerful feature set that comes with Virtual Resource.



### Product Overview

The remote management features offered by Virtual Resource can result in reduced fault call outs, reduction of unwanted alarms and improved overall service to the end user.

Gain access to data from all your systems, assess performance, check status and make decisions based on facts, not assumptions.

VR Access allows your fire system to periodically report its status to the secure servers to enable you to view the latest status report via any web enabled device.

Whether you are a service provider, building owner or facilities manager, Taktis VR can help you reduce costs, add value and improve service integrity by employing the latest communication and analytical technologies.

### Standard Features

- Proof of Testing - Virtual Resource records the fire alarm control panel activity, including specific details of device status and identify information so you can be assured that testing has been carried out and it reduces inaccuracy.

### Standard Features Cont.

- Extended and Searchable Logs - Virtual Resource provides an extended searchable event log.
- Asset List - Virtual Resource creates and maintains an asset list of all the fire alarm components quantifying and detailing each panel, loop, addressed device, and device type with descriptive labels.
- Reports- Virtual Resource records servicing and weekly test activity to specific logs in pre-defined annual summary format. Users may also generate specific reports based on their own search criteria: Date/Time, Mode, Event, Panel, Loop, Device and protocol partners.
- Confirmed Fire events- Reduce false alarms with the Virtual Resource Confirmed Fire event
- Notifications - Event notifications are sent by:
  - Email
  - Mobile phone application
  - Secure IP monitored applications
- File Storage - Virtual Resource provides the ability to attach and store electronics files.
- Virtual Resource Android Phone Application – 3 different available applications include Notify, Weekly Test and Engineer



**TAKTIS-S1**  
Taktis Fire Panel  
(H) 585 x (W) 420 x (D) 167



**TAKTIS-S2**  
Taktis Fire Panel  
(H) 710 x (W) 500 x (D) 167



**TAKTIS-S3**  
Taktis Fire Panel  
(H) 1065 x (W) 560 x (D) 239



**TAKTIS-VISION-N**  
Configurable Fire  
Alarm Repeater  
24V DC



**TAKTIS-K772**  
16 Channel  
I/O Board



**TAKTIS-K791**  
8 Way  
Relay Board

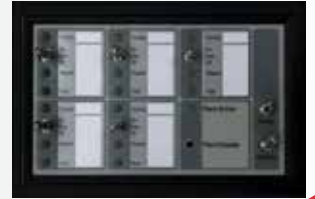


**TAKTIS-K792**  
8 Way Conventional  
Zone Board



**TAKTIS-K793**  
4 Way  
Sounder Board

**TAKTIS-KAU2044**  
Taktis Fan Controller (5)  
(Master Module)



**TAKTIS-KAU2060**  
Taktis Fan Controller (6)  
(Slave Module)



**TAKTIS-KAU2045**  
Taktis Ancillary  
Module (8)



**TAKTIS-KAU2046**  
Taktis LED Module (32)  
Selectable columns:  
Green, Red, Amber



**TAKTIS-ASE**  
Select your  
ASE Bracket



**EVAC-SD-FACIA**  
Taktis OWS Control  
and Microphone



**TAKTIS-SECRDU**  
Securiton (2)  
Control Display



**TAKTIS BATTERY BOX**  
**TAKTIS-BBS1**  
(H) 230 x (W) 420 x (D) 167  
**TAKTIS-BBS2**  
(H) 300 x (W) 500 x (D) 169  
**TAKTIS-BBS3**  
(H) 395 x (W) 560 x (D) 239



**ANALOGUE SENSORS**


The below chart shows each panel and its corresponding detectors, along with a recommended solution for each site. Where a site has a FFE9000 or FFE10000 panel and only HRE detectors, (Red column below) the only solution is to change the entire fire system. If a site has Firenet panels there may be an option to update the system by changing only the panels as can be seen on the opposite page.

**PRODUCTS:**  
 - FFE9000  
 - FFE10000  
 - AB3000



**Solution**  
 (1) Replace Fire system

**PRODUCTS:**  
 - FIRENET





























**Solution**  
 (1) Possibility to upgrade loop card to link to HRE detectors (to be confirmed with Incite Fire)  
 (2) Continue to maintain system with available parts  
 (3) Upgrade system with Syncro / Taktis panels

**PRODUCTS:**  
 - Syncro (Hochiki Product)  
 - Taktis (Hochiki Product)



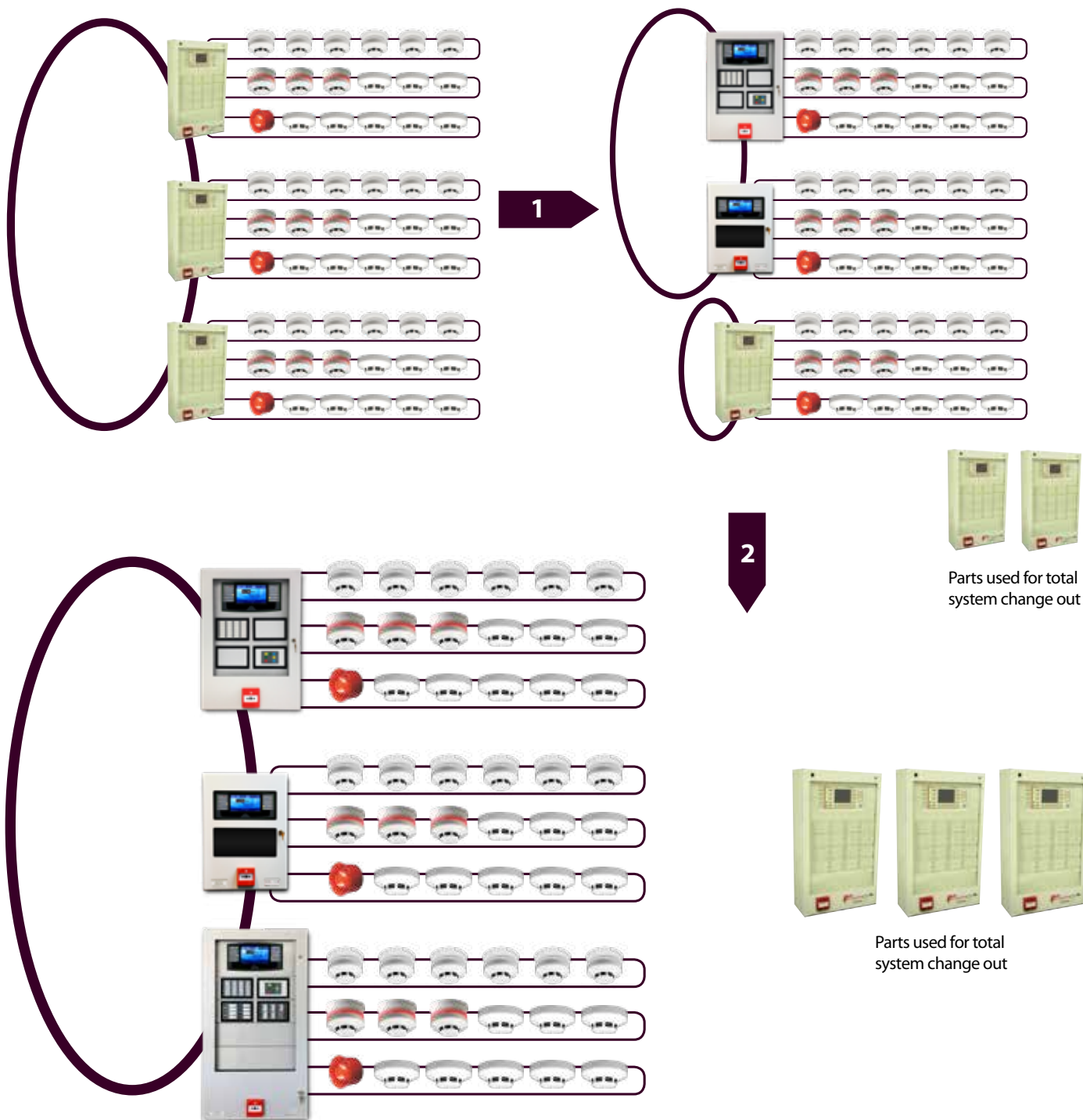
**Solution**  
 (1) Continue as is for the future

ANALOGUE SENSORS	HRE DETECTORS	HRE DETECTORS	GTP DETECTORS		GTP DETECTORS		ESP DETECTORS
PHOTO	 ALB-E	 ALB-E	 ALG-AS	 ALK-AS	 ALG-AS	 ALK-AS	 ALK-ASN
ION	 AIA-E	 AIA-E	 AIE-AS		 AIE-AS		
HEAT	 ATA-E	 ATA-E	 ATG-AS	 ACB-AS	 ATG-AS	 ACB-AS(*)	 ACB-ASN
HEAT WATER-PROOF			 ACB-ASW		 ACB-ASW		 ACB-ASNW
MULTI			 AAM	 ACA-E	 AAF	 ACA-E	 ACA-ASN
COLOUR	IVORY	IVORY	IVORY		IVORY		WHITE
BASE	YBF-RL/2NBF	YBF-RL/2NBF	YBN-R/2NA		YBN-R/2NA		YBN-R/3(WHT)

All Hochiki GTP loop protocol devices will work with Syncro and Taktis

(\*) Operates in fixed temperature mode only as per ATG-AS

## FIRENET CHANGE OUT SOLUTION



Parts used for total system change out



Parts used for total system change out

### Only Use Compliant Products When Performing Changeouts

“Hochiki Australia’s AS approved Analogue Sensors (excluding HRE protocol sensors and Conventional Detectors) are compatible, tested and approved for use with the following fire control panels:

- Manufacturer Kidde Australia Pty Ltd/Model: NFP1&2, Phoenix, FIRENET
- Manufacturer Kentec Electronics Ltd /Model: Syncro AS, Taktis”

For further information please contact: FireNet Support Team (02) 9644 7144-PRESS 2.

AFP : 2014





## Syncro AS

Analogue Addressable  
Fire Control Panels  
(1 or 2 Loops)



### Key Features

1. **Accommodation mode:** Accommodation mode is an automatic function that provides a local warning to the occupants and allows a time frame to clear smoke from the detector. This function helps prevent false alarms, fire brigade call outs and their associated costs.
2. **Conventional detector** connectivity.
3. **Seamless wireless connectivity**, including detectors, sounders, inputs and outputs
4. **LED mimics, diagrammatic mimics and LCDs:** Up to 32 devices (Including Syncro View, Ident and Matrix) can be fitted to each panel on the RS485 serial interface.
5. **Networking:** Up to 64 panels can be added to a network
6. **Building Management Interface:** Syncro allows a BMS interface so you can initiate a BMS solution.

### Standard Features

- ActivFire listed AFP-2761
- Approved to AS7240.2 and AS7240.4
- Available in 1 or 2 loops and networkable up to 64 panels with up to 500 zones per network (the perfect solution for small and large solutions)
- 127 devices per loop / Up to 800 sub addresses
- LCD display & 16 zone LED indication
- Compatible with Hochiki ESP detectors and modules
- Open protocol, non-proprietary software
- System enabled with 003 key
- Optional OWS available - 20,40,60,120
- Optional fan control available
- Capable of driving a high number of loop powered sounders
- Base cabinet size 385W x 520H x 110D (mm)
- Range of cabinet sizes available

#### Other Features

- Standard or deep cabinet options
- 16 zonal LED indicators
- 5 preconfigured digital inputs
- Easily configured using Loop Explorer software
- Up to 32 RS485 expansion modules per panel

### Product Overview

The Syncro AS addressable control panel is designed to meet the requirements of AS7240.2, AS7240.4

Available in 1 or 2 loops and networkable up to 64 panels with up to 500 zones per network (the perfect solution for small and large projects)

The Syncro AS is capable of driving a full loop of 127 sounders @ 85dB

Housed in the same installer friendly and attractively styled enclosure as the Sigma CP (conventional) and Sigma XT (extinguishant) range of control panels, the Syncro AS combines compact and practical styling with the programming power and connectivity normally associated with much larger systems

### Additional Features

- Comprehensive day/night mode facility
- Programmable one touch test mode
- Powerful and versatile cause & effect programming
- Cause and effect wizard including:
  - Cause and effect action
  - Disablement configuration
  - Test mode configuration
- Accommodation Mode
- AAF
- Non latching detectors
- Non fire attributes: Detector options for system control only



## Build Your Own Syncro 1 or 2 Loop Panel

SYNCRO-Cabinet Size + Loop + Option = Syncro Ordering Code (see below example)

SYNCRO-M32C which is an M3 cabinet, 2 loop panel with ASE Romtec

**Cabinet Size**

**M2**  
Includes:  
- Tamper door  
- MCP  
- 3Amp P/S

**Loop**

(1) 1 Loop  
(2) 2 Loop  
(3) 1 Loop Network  
(4) 2 Loop Network



**Cabinet Size**

**M3**  
Includes:  
- Tamper door  
- MCP  
- 3Amp P/S

**Loops**

(1) 1 Loop  
(2) 2 Loop  
(3) 1 Loop Network  
(4) 2 Loop Network

**Options**

(A) Blank  
(B) 20 Watt OWS and Controls  
(C) ASE Romtec  
(D) ASE Romtec, 20 Watt OWS & Controls  
(E) ASE Tyco



**Cabinet Size**

**D3**  
Includes:  
- Tamper door  
- MCP  
- 5Amp P/S

**Loops**

(1) 1 Loop  
(2) 2 Loop  
(3) 1 Loop Network  
(4) 2 Loop Network

**Options**

(A) Blank  
(B) 20 Watt OWS and Controls  
(C) ASE Romtec  
(D) ASE Romtec, 20 Watt OWS & controls  
(E) ASE Tyco  
(F) 60 Watt OWS & controls  
(G) ASE Romtec, 60 Watt OWS & controls



**Cabinet Size**

**D4**  
Includes:  
- Tamper door  
- MCP  
- 5Amp P/S

**Loops**

(1) 1 Loop  
(2) 2 Loop  
(3) 1 Loop Network  
(4) 2 Loop Network

**Options**

(A) Blank  
(B) 20 Watt OWS and Controls  
(C) ASE Romtec  
(D) ASE Romtec, 20 Watt OWS & controls  
(E) ASE Tyco  
(F) 60 watt OWS & controls  
(G) ASE Romtec, 60 Watt OWS & controls  
(H) ASE Tyco, 20 Watt OWS & controls  
(I) ASE Tyco, 60 Watt OWS & controls



### Customised SYNCRO Panel Options available on request :

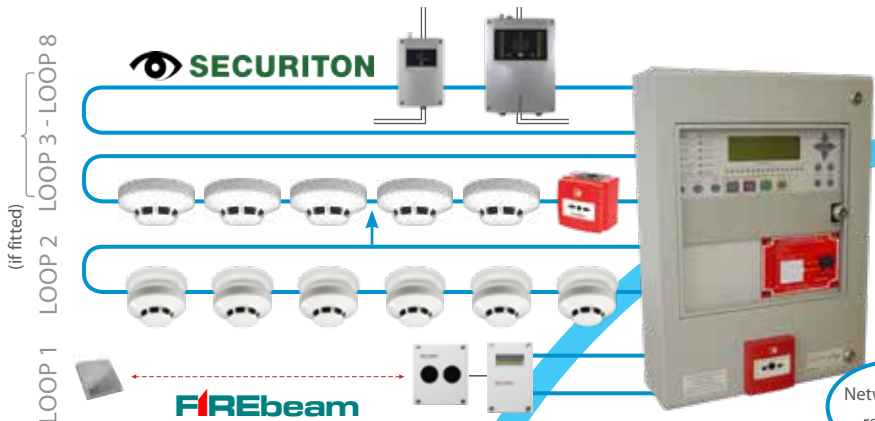
\* Fan Controls \* ANC Controls \* Relay Cards \* Other Cabinet Sizes

# High Integrity Configurable Network

**1. Accomodation Mode**

Accomodation Mode is an automatic function that provides a local warning to the occupants and allows a time frame to clear smoke from the detector.

This function helps prevent false alarms, fire brigade call outs and their assoociated costs.



SYNCRO AS  
1-2 Loop Analogue  
Addressable Control Panel



(1) ACCOMODATION MODE

**6. Building Management Systems Solutions**

Syncro allows a BMS interface so you can initiate a BMS solution



BMS

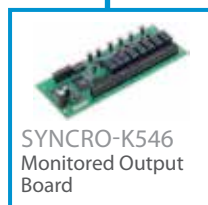
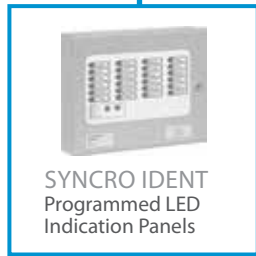
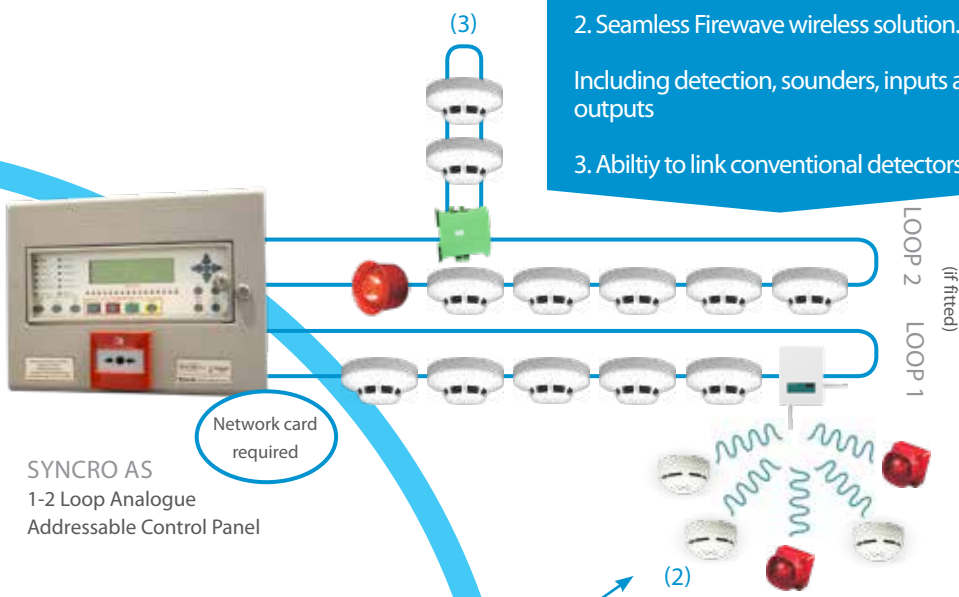


SYNCRO AS  
1-2 Loop Analogue  
Addressable Control Panel

**2 & 3. Wireless and Conventional connectivity**

2. Seamless Firewave wireless solution.  
Including detection, sounders, inputs and outputs

3. Ability to link conventional detectors



**4. Graphics, mimics and repeaters**

A mixture of up to 32 devices (including Syncro View, Ident and Matrix) can be fitted to each panel on the RS485 serial interface.

The maximum number of Syncro View panels on a single RS485 serial interface is 15.

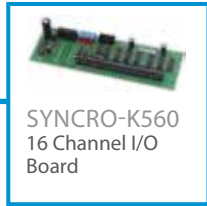
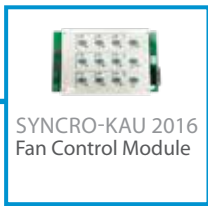
**5. Networking**

Up to 64 Panels can be added to the network

**HOCHIKI**  
ANALOGUE SENSORS AND DEVICES



Syncro-K555 Network card required



SYNCRO AS 1-2 Loop Analogue Addressable Control Panel

24V DC

24V DC

24V DC

24V DC

## Syncro Matrix



### Product Overview

#### Intelligent Mimic Display System

The Syncro Matrix system uses flexible, fibre optics light to illuminate areas on a floor plan, laid over a high resolution grid.

This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for wiring modifications.

**Syncro Matrix-CP-M2 Matrix CP Mimic panel in M2 cabinet ( Max 24 zones)**

**Syncro Matrix-CP-M3 Matrix CP Mimic panel in M3 cabinet ( Max 56 zones)**

**Syncro Matrix-CP-S4 Matrix CP Mimic panel in S cabinet ( Max 88 zones)**

### Standard Features

- Up to 504 LED's can be controlled from any Syncro AS panel
- Full colour printing
- Available in a range of standard enclosures to suit any application
- Bespoke sized units can be made upon request
- Choice of Red, Green or Yellow LED's
- Available with or without controls
- Same look and feel as the Syncro range
- Syncro Matrix can easily be upgraded on site with minimal cost and effort

## Syncro View



### Product Overview

#### Local LCD Control Panel repeater

The large, graphic liquid crystal display and high brightness LED indicators duplicate the indications on the Syncro fire alarm control panel at up to 15 additional locations via a simple, two-wire serial data connection.

### Standard Features

- Up to 15 annunciators can be connected to each Syncro AS fire control panel.
- Large liquid crystal display (240 x 64 pixels)
- High brightness LED indications
- Internal sounder
- Replicates all Syncro panel controls
- Simple, two-wire serial connection
- Small, Syncro style enclosure

## Syncro Ident



### Product Overview

#### Programmable LED Indication Panel

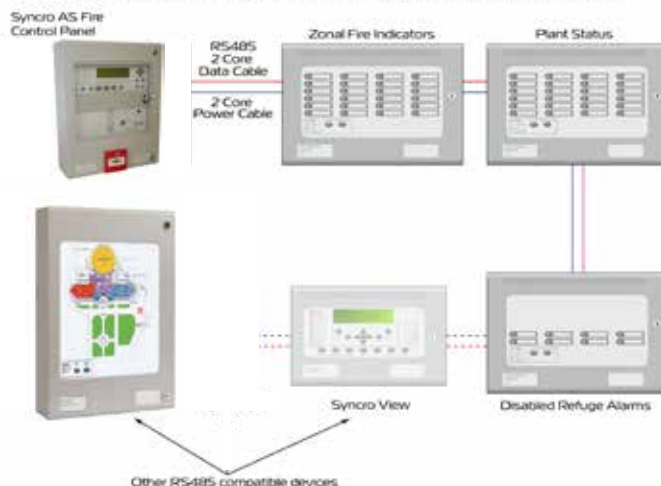
The compact, slimline enclosure is unobtrusive and is ideal for mounting in locations where a larger control and indication unit would be unsuitable.

Each indication has a dedicated field for customised text to provide a concise description of the indication. Multiple Syncro Ident panels can be connected to the Syncro serial bus to provide a diverse range of indications at multiple locations.

### Standard Features

- 8 and 24 LED versions available as standard
- Large versions available to special order
- Up to 16 x 24 way Syncro Ident can be connected to each fire panel
- Programmable flashing or steady states
- Red, yellow or green indications/options
- Common Fire, Fault and Disabled indication
- Customisable label identification tags

Examples of Syncro Ident panel used to provide supplementary indications from the fire control panel



## Product Overview

### Industrial Cabinet

- Various sizes available to suit application
- 1.6mm thick zinc coated steel
- Powdercoated finish
- Polycarbonate viewing window
- Protection rating IP 66

## Standard Features

### Stainless Steel Cabinet

- Various sizes available to suit application
- 1.6mm thick 316 stainless steel
- Polycarbonate viewing window
- Protection rating IP 66
- Optional 003 keyed lock for any cabinet
- 3 point locking on larger cabinets
- Polyurethane gasket foamed in place
- Guttered door opening

## M2/M3



## Product Overview

### Occupant Warning Control (OWC)

The Incite SyncroAS occupant warning control (OWC) has been designed to enable ease of interface to building services providing smoke control in an installation.

The OWC manual controls will only operate when the enable keyswitch on the SyncroAS panel is in the enable position.

The OWC contains 3 of 1668 control and status indicators, a general fire trip and isolate, and a lamp test button.

## Standard Features

- Fits the standard Syncro AS & Sigma cabinet carrier plate
- Secure access to the control via standard 003 Key switch
- Alarm and fault indicators
- High quality inbuilt panel microphone
- Compatible with Evactron 20,40,60,120 OWS AMPS
- Compatible with Tyco TGen50 OWS AMPS
- Quick and easy to fit

## EVAC-SD-OWC



## Product Overview

### Fan Control Module (SCFM)

The Incite SyncroAS fan control module (SCFM) has been designed to enable ease of interface to building services providing smoke control in an installation.

The SCFM manual controls will only operate when the enable keyswitch on the SyncroAS panel is in the enable position.

The SCFM contains 3 of 1668 control and status indicators, a general fire trip and isolate, and a lamp test button.

## Standard Features

- Contains 3 x AS1668 controls
- Connects directly to SyncroAS RS485 data bus
- Auto - fan on and fan off modes
- Configurable through SyncroAS control panel or via a PC with Loop Explorer software
- Provides seamless fan control integration with SyncroAS panels
- Interfaces SyncroAS control panel to the duct detectors

## SYNCRO-KAU2016



## Product Overview

### ANC Control

Enables ease of interfacing to building services providing manual control & indication in an installation.

## Standard Features

- Controls enabled by the keyswitch on the Syncro AS panel
- 4 push button controls, 8 LED indicators & 3 clean contact relays
- Simple 4 wire connection to the Syncro AS panel, 2 for power, 2 for RS485
- The ANC control may be mixed on the RS485 bus with other expansion/control devices

## SYNCRO-KAU2017





**KM-HS-M2  
KM-HS-M3**



**Product Overview**

**19" Rack Mount**

**KM -HS-M2**  
19" Hinged surround for M2 cabinet  
9RU

**KM-HS-M3**  
19" Hinged surround for M3 cabinet  
13RU

Also suits Sigma series panels

**Standard Features**

- Available for M2 and M3 size cabinets
- Houses the complete panel for rack mounting
- Fully hinged to swing out complete panel
- Robust fully welded steel construction
- Epoxy powder coated to match panel colour
- Ideal for QE90 combination panel
- Mounting information 19" IP rated enclosure

**KM-ASE-RT**



**KM-ASE-CT**

**Product Overview**

**ASE Brackets**

**Standard Features**

- Available for ROMTEC and CENTAUR
- Light grey satin finish to suit other modules
- Fits neatly into viewing aperture
- Suitable for use in M3 and M4 size cabinets
- Mounts ASE to be flush

**Sigma-M2-DocBox  
Sigma-M3-DocBox**



**Product Overview**

**Doc Boxes (A4 and A3 size)**

Another addition to the range, the document box is designed to complement the design and colour of the Sigma and Syncro range of control panels. The document box will hold up to 100 sheets of A4 documents or log books.

The "DocBox" also doubles up as a key box providing 7 (M2) or 14 (M3) easily accessible key hooks inside the enclosure.

**Standard Features**

- Matches design and colour scheme for standard Sigma and Syncro control panel range
  - Easy to install / Key lockable
  - Designed for versatility
  - Holds A4 size documents and Log books
  - The document box also doubles as a key box providing 7 (M2) or 14 (M3) easily accessible key hooks inside
- (M2) 385W x 310H x 90D (mm)**  
**(M3) 385W x 520H x 110D (mm)**

## Product Overview

### Syncro 4 way conventional detection zone module

To further enhance the versatility of the Syncro fire alarm system, four conventional detection circuits can be connected with up to 30 detectors per circuit.

Conventional control panels can be replaced with this simple module and existing conventional systems can be interfaced directly to modern analogue addressable control systems and networks.

## Standard Features

- 4 monitored detection zone inputs
- 2 monitored sounder outputs
- Volt free fire contact
- Local power supply fault input
- RS485 comms connection to Syncro Fire Alarm Panel
- Individual fault and operated indications

## Syncro-K545



## Product Overview

### Syncro 16 channel I/O board (Input/Output)

To add more I/O capability to the extensive options already offered by the Syncro control panel, up to thirty two, 16 channel I/O boards may be connected.

The 16 channel boards may be mixed on the RS485 bus with 8 way sounder boards, 6 way sounder boards or 4 way conventional detection zone boards to provide a very flexible system of I/O's to satisfy any requirement.

## Standard Features

- 16 channels
- Each channel configurable as input or output
- Outputs open collector transistor
- Simple 2 wire connection to control panel  
Up to 32 boards supported per panel (512 Input/Output Channels)
- Full cause and effects on all inputs and outputs

## Syncro-K560



## Product Overview

### Syncro AS loop expansion card

The Syncro AS system can be expanded to 2 loops giving the panel support for an additional 127 (Hochiki) devices.

## Standard Features

- 400ma loop current per loop fitted
- Fitted with short circuit isolators as standard

## Syncro-K586



## Product Overview

### Syncro 8 way relay card

To further enhance the versatility of the Syncro AS fire alarm system, additional relay output capability can be added with Syncro relay boards.

## Standard Features

- These boards have 8 voltage free changeover relay contacts, each of which can be individually programmed
- Up to 32 of these boards can be connected to the dedicated RS485 bus
- The relay boards may be mixed on the RS485 bus with other expansion/control boards

## Syncro-K547



## SYNCRO-K556 Modem Communication Module



### Product Overview

#### Communications module

The SYNCRO-K556 communications module enables service companies to interrogate control panels remotely via a telephone link.

The communications module is simple to install and requires a PSTN telephone line.

The module mounts on existing pillars in the control panel and is supplied with all wiring and connections to enable speedy installation and commissioning.

Once connected to the control panel via the Loop Explorer software, users can upload configuration data and event logs or take control of the system via the virtual panel interface.

This allows the panel controls to be operated as if the user was standing at the panel.

### Standard Features

- View devices near calibration limits
- Plan maintenance visits
- Retrieve event log
- Dial in and observe reported faults
- Assist commissioning from remote location
- Offer value added service to customers
- Check software version to see if updates are available
- Retrieve configuration
- Avoid unnecessary call outs
- Simple to install
- Dongle protected access, for customers security

## Syncro-K555



### Product Overview

#### Syncro networking

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

A simple 2-wire connection between each panel allows events to be transmitted to other parts of the system to provide indication or control on a system wide basis.

Using the Loop Explorer configuration programme, up to 64 nodes can be programmed to respond in a variety of ways to any system events as required.

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

### Standard Features

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

## Product Overview

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

## Standard Features

- High Performance Chamber
- Twin alarm LEDs allow 360° viewing
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- Compatible Bases: YBN-R/3(WHT), YBO-BS(WHT), YBO-BSB(WHT), YBN-R/3-R/SCI
- Approval: AS7240.7

## ALK-ASN



## Product Overview

A **multi-Sensor** incorporating a thermal element and a High Performance photoelectric Smoke Chamber. Has three modes controlled from the Control Panel, allowing either the optical or thermal element or a thermally enhanced optical detector.

## Standard Features

- High Performance chamber
- User selectable modes
- Incorporates optical and heat elements
- Twin alarm LEDs allow 360° viewing
- Pulsing/non-pulsing controlled from panel
- Variable sensitivity
- Electronically addressed
- Compatible Bases: YBN-R/3(WHT), YBO-BS(WHT), YBO-BSB(WHT), YBN-R/3-R/SCI
- Approvals: AS7240.5 and AS7240.7

## ACA-ASN



## Product Overview

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.

## Standard Features

- User selectable modes
- Incorporates fixed temperature and rate of rise heat elements
- Twin alarm LEDs allow 360° viewing
- Pulsing/non-pulsing controlled from panel
- Electronically addressed
- IP67 rated
- Supplied with fixing base
- AS7240.5 Classes A1,AIR,AIS,B,BR,BS,C,CR,CS, Fixed and ROR

## ACB-ASNW



## Product Overview

A **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.

## Standard Features

- User selectable modes
- Incorporates Fixed Temperature and Rate of Rise Heat elements
- Twin alarm LEDs allow 360° viewing
- Electronically Addressed
- Compatible Bases: YBN-R/3(WHT), YBO-BS(WHT), YBO-BSB(WHT), YBN-R/3-R/SCI
- AS7240.5 Classes A1,AIR,AIS,B,BR,BS,C,CR,CS, Fixed and ROR

## ACB-ASN



**YBN-R/3(WHT)**  
**YBN-R/3(RED)**  
**YBN-R/3(BLK)**



**Product Overview**

**A Common Mounting Base** which is fully compatible with ALK-ASN, ACA-ASN and ACB-ASN sensors. Supplied with square cable clamps for secure and reliable cable termination and is also capable of driving a remote LED if required.

(Red version – YBO-R/3(RED) for use with CHQ-WS2 Wall Sounder and CHQ-WSB Wall Sounder Beacon)

**Standard Features**

- Electronics free
- Stainless steel contacts
- Takes 2.5mm 4 cables
- Slim profile – only 8mm
- Rugged wiring contacts
- Facility for remote indicator
- Quick connection via square cable clamps
- Available in RED for use with CHQ-WS2 Wall Sounder and CHQ-WSB Wall Sounder Beacon

**YBN-R/3(WHT)-SCI** **Product Overview**



**Model YBN-R/3(SCI) is 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(WHT)-SCI is compatible with Hochiki Analogue sensors, beacons, sounders and indicators and does not require a loop address. A remote fire LED facility is provided when a sensor is attached to the base.

NOTE: A fitted sensor will still be powered when this device is isolating.

**Standard Features**

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

**CHQ-WS2**



**Product Overview**

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

**Standard Features**

- Loop powered
- Single loop address – addressed via the TCH-B200 hand held programmer
- Variable sound output 90 ~ 102 dB(A) (±2 dB(A)) output at 1m
- Fits Hochiki standard or isolator base
- Weatherproof kit available
- 51 User-selectable tones (all tones EN54-3 compatible)
- Auto-shutdown mode available\*
- \* Please ensure control panel compatibility

**CHQ-WSB**



**Product Overview**

**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).

**Standard Features**

- 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\*
- \* Please ensure control panel compatibility



## Product Overview

**A Weatherproof Back Box** and gasket set for the CHQ-WS2 Wall Sounder and the CHQ-WSB Wall Sounder Beacon, increases the IP Rating of the Sounder to IP65 for external use.

## Standard Features

- Designed for CHQ-WS2 and CHQ-WSB
- Increases sounder IP rating from IP21 to IP65 (external use)
- Easy to install

## WS2-WPK



## Product Overview

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

## Standard Features

- Loop powered
- Single loop address – addressed automatically by control panel or via the TCH-B200 hand held programmer
- 50 – 98 dB(A) ( $\pm 2$ 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)

## YBO-BS(WHT)



## Product Overview

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

## Standard Features

- Loop powered
- Single loop address, addressed by either Control Panel or TCH-B200
- 50 – 98dB(A) ( $\pm 2$ 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)
- Beacon and sounder can be controlled

## YBO-BSB(WHT)



## Product Overview

**An Addressable Loop-Powered Beacon**, with high-intensity LEDs and a Fresnel lens design which produces a highly visible flash. The casing exactly matches the Hochiki Analogue Sensor range in shape and colour providing seamless integration.

## Standard Features

- High Intensity LED technology
- 1 Hz flash frequency
- Addressable via TCH-B200
- Up to 127 devices per loop
- Choice of 3 lens colours (red, amber and blue)

## CHQ-AB(WHT)



## Product Overview

**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 Analogue Sensor range in shape and colour providing seamless integration. The unit also features two monitored inputs.

## Standard Features

- High Intensity LED technology
- Addressable via TCH-B200
- Up to 127 devices per loop

## CHQ-ARI(WHT)



### CHQ-CB



#### Product Overview

**An Addressable Loop-Powered Ceiling Beacon**, with a high intensity LED and a custom designed free-form optic which produces a highly visible flash. Coverage diameters include 5m, 7.5m, 10m and 15m diameter. The unit is designed to fit the YBN-R/3, YBN-R/3(SCI), YBO-BS or the YBO-R/SCI(RED), and is available in red or white LEDs.

#### Standard Features

- Loop Powered
- Single loop address via TCH-B200
- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Choice of 2 LED colours (red and white)
- Approved to AS7240.23 – Category 'C'
- Operating voltage 17-41 Vdc

### CHQ-WB



#### Product Overview

**An Addressable Loop-Powered Wall Beacon**, with a high intensity LED and a custom designed free-form optic which produces a highly visible flash. Coverage diameters include 5m, 7.5m, 10m and 15m diameter. The unit is designed to fit the YBN-R/3, YBN-R/3(SCI), YBO-BS or the YBO-R/SCI(RED), and is available in red or white LEDs.

#### Standard Features

- Loop Powered
- Single loop address via TCH-B200
- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Choice of 2 LED colours (red and white)
- Approved to AS7240.23 – Category 'W'
- Operating voltage 17-41 Vdc

### CHQ-MRC(SCI) CHQ-MRC(DIN)



#### Product Overview

**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.

#### Standard Features

- Loop-powered
- Single loop address
- Single mains rated relay contact
- Relay contact rated at 250Va.c. @ 5 amp (resistive) & 48Vd.c. @ 2 amp (resistive)
- Auxiliary monitored input
- Screw terminals & flying leads for easy cable termination
- DIN rail version available
- Both models feature an integral short-circuit isolator

### CHQ-DIM(SCI) CHQ-DIM(DIN)



#### Product Overview

**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.

#### Standard Features

- 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
- DIN rail version available
- Both models feature an integral short-circuit isolator

### CHQ-PCM CHQ-PCM(DIN)



#### Product Overview

**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.

#### Standard Features

- Single loop address
- Loop powered
- 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

## Product Overview

**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.

## Standard Features

- Loop powered
- Single loop address
- Two independently controlled changeover relays
- Relays contact rated at 30Vd.c. at 1 amp
- Auxiliary monitored input
- DIN rail version available
- Both models feature an integral short-circuit isolator

## CHQ-DRC(SCI) CHQ-DRC(DIN)



## Product Overview

**A Dual Zone Module** designed to allow up to 60 conventional detectors (30 per zone) to be interfaced to Hochiki's analogue addressable system. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

## Standard Features

- Single loop address
- Supports two independent zones of conventional detectors
- Both zones fully monitored for Short/ Open Circuit
- Requires an auxiliary 24Vd.c. supply
- DIN rail version available
- Both models feature an integral short-circuit isolator

## CHQ-DZM(SCI) CHQ-DZM(DIN)



## Product Overview

**A 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.

## Standard Features

- Single loop address
- Two independent sounder circuits
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1 amp
- Auxiliary monitored Input
- Outputs are synchronised and can be driven continuously or intermittently
- 24Vd.c. auxiliary power required
- Features an integral short-circuit isolator

## CHQ-DSC(SCI) CHQ-DSC(DIN)



## Product Overview

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

## Standard Features

- Loop powered
- Up to 6 Conventional Detectors
- 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

## CHQ-SZM(SCI) CHQ-SZM(DIN)



## CHQ-POM



### Product Overview

**A Powered Output Module** designed to supply a nominal 24 V dc at various, user-selectable current levels from 2 to 32 mA (in increments of 2mA). The unit is small enough to be added to other third-party devices thereby allowing a range of equipment to be added to the analogue loop.

The unit also features two monitored inputs.

### Standard Features

- Supplies a nominal 24 V dc 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 analogue loop for third-party devices
- Colour-coded flying leads for simple installation
- Addressed with TCH-B200 hand held programmer

## CHQ-SIM



### Product Overview

**A Single Input Module** designed to allow a single monitored input to be connected to the analogue loop. This provides a compact, low-cost option where the installation of the larger CHQ 'Smart-Fix' range of modules might be difficult.

### Standard Features

- Includes a single monitored input
- Small design for simple provision of a monitored input onto an analogue loop
- Flying leads for easy installation
- Addressed with TCH-B200 hand held programmer

## CHQ-SOM



### Product Overview

**The CHQ-SOM** has been 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.

### Standard Features

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

## CHQ-ADAPTOR



### Product Overview

**The CHQ-ADAPTOR** is designed to allow the "Smart-Fix" range of CHQ Modules to be housed in existing enclosures originally designed for the first generation CHQ-OEM Modules by modifying the 'footprint' of the unit.

### Standard Features

- Allows the PCB component of a CHQ
- Module to be housed in an enclosure
- Footprint matches older enclosure sizes

## Product Overview

**Addressable manual call point**

## Standard Features

- Fast Response
- Status LED
- Addressed using handheld programmer
- Complete with back box

## HCP-E-ADD



## Product Overview

**Weatherproof addressable manual call point**

## Standard Features

- Fast Response
- Status LED
- Addressed using handheld programmer
- Complete with back box
- IP rated IP67

## HCP-E-ADD-WP



## Product Overview

**Alarm Acknowledgement Facility.** Used to allow local alarm investigation prior to signalling full alarm outputs.

## Standard Features

- Fully compatible with the Syncro AS range
- Meets AS7240.2 requirements
- Acknowledge time settings 30 or 60 seconds
- Investigate time between 30 to 180sec in 30 sec intervals
- Button to acknowledge false alarm
- Loop powered - no external power required
- Fits standard Australian mounting block

## SYNCRO AAF



## Product Overview

**A hand held address programmer** designed to address the range of detectors and other addressable devices such as the YBO-BS(WHT) base sounder. Designed to be light, robust and easy to use it operates from a single PP3 size 9v battery which can provide up to 8000 operations.

TCH-200 : Includes CO detection.

## Standard Features

- Lightweight design
- Quick and reliable addressing
- Up to 8000 address settings from one battery

## TCH-B200





## CHQ-BACKBOX



### Product Overview

The **CHQ-Backbox** is designed for installations where the CHQ range of modules - CHQ-DIM(SCI), CHQ-SZM(SCI), CHQ-DZM(SCI), CHQ-DSC(SCI), CHQ-MRC(SCI), CHQ-DRC(SCI) and CHQ-PCM - require mounting within a glanded enclosure.

### Standard Features

- Provides glanded cable connections
- Robust design
- Compatible with all CHQ modules

## MBB-1



### Product Overview

**Splashproof Base Backbox** providing a splash proof and secure fixing for the Hochiki analogue and conventional 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.

### Standard Features

- 4 glanded cable entry holes (glands not supplied)
- Colour matched
- Approved detector and base range
- Provides moisture and dust resistant fitting
- Ideal for bulkhead fitting
- Suitable for marine use

## YBO-BS-COV(W)



### Product Overview

**Protective Cap.** A protective cap which can be fitted to the YBO-R/SCI(WHT) isolator base, YBO-BS(WHT) or YBO-BSB(WHT) sounder bases when these devices are being used without a detector fitted.

### Standard Features

- Protects wiring terminals on isolator bases and base sounders
- Easy to fit
- Available in ivory or white

## SMB-1 SMB-2 SMB-3



### Product Overview

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

### Standard Features

- Quick-release screws
- Polyurethane gasket provides IP66 protection
- Corrosion free, resistant to most alkaline and acid
- Temperature resistance to +70°C, Impact resistant, and Nonflammable
- 32 knock-outs
- SB-1 Dimensions L 254 x W 180 x H 90
- SB-2 Dimensions L 254 x W 180 x H 160
- SB-3 Dimensions L 254 x W 180 x H 160

## DH-98-ASA



### Product Overview

**A Duct Probe Housing** associated with analogue ALK-ASN detectors and to be mounted on the outside of an air duct for the purpose of monitoring the air within the duct. (shown with sensor fitted - not supplied). Allows air duct sampling using standard detector or sensor.

### Standard Features

- Test hole on cover. Simple installation/maintenance. Sensitive flow indication
- Installer-friendly connection of cables.

## Product Overview

**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.

## Standard Features

- High Performance chamber
- Twin fire LEDs allow 360° viewing
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- Compatible bases: YBN-R/2NA, YBO-BS, YBO-BSB, YBO-R/SCI
- Approval: AS7240.7

## ALK-AS



## Product Overview

**A Multi-Sensor incorporating a thermal element** and a High Performance photoelectric smoke chamber.

## Standard Features

- High Performance chamber
- Incorporates Optical & Heat elements
- Twin fire LEDs allow 360° viewing
- Variable sensitivity
- Electronically Addressed via the TCH-B200 handheld programmer
- Compatible bases: YBN-R/2NA, YBO-BS, YBO-BSB, YBO-R/SCI
- Approval: AS1603.1 & AS1603.2

## ACA-E



## Product Overview

**A 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.

## Standard Features

- User selectable modes
- Incorporates Fixed Temperature and Rate Of Rise Heat elements
- Twin fire LEDs allow 360° viewing
- Electronically Addressed
- Compatible bases: YBN-R/2NA, YBO-BS, YBO-BSB, YBO-R/SCI
- Approval: AS1603.1 Type A, B, C and D

## ACB-AS



## Product Overview

**A Common Mounting Base** which is fully compatible with ALK-AS, ACA-ASN and ACB-AS sensors. Supplied with square cable clamps for secure and reliable cable termination and is also capable of driving a remote LED if required.

(Red version – YBO-R/3(RED) for use with CHQ-WS2 Wall Sounder and CHQ-WSB Wall Sounder Beacon)

## Standard Features

- Electronics free / Stainless steel contacts
- Takes 2.5mm<sup>2</sup> cables
- Slim profile – only 8mm
- Rugged wiring contacts
- Facility for remote indicator
- Quick connection via square cable clamps
- Available in RED for use with CHQ-WS2 Wall Sounder and CHQ-WSB Wall Sounder Beacon

## YBN-R/2NA



## Product Overview

**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 (Not supplied).

## Standard Features

- User selectable modes
- Incorporates Fixed Temperature and Rate Of Rise Heat elements
- Twin fire LEDs allow 360° viewing
- Electronically addressed
- IP67 rated
- Supplied with fixing base
- Approval: AS1603.1 Type A, B, C and D

## ACB-ASW



YBN-R/3(SCI)

Product Overview



**A Loop Isolator Base** which is fully compatible with Hochiki analogue Sensors, Beacons, Sounders and Indicators. The unit incorporates an amber LED to show when it is isolating a section of the loop. (Red version – YBO-R/SCI(RED) for use with CHQ-WS2 Wall Sounder & CHQ-WSB Wall Sounder Beacon) or thermal element or both to be active in making the fire decision.

Standard Features

- Detects short circuits on loop
- Status LED
- Connection of up to 127 per loop
- Quick connection via square cable clamps
- Available in RED for use with CHQ-WS2 Wall Sounder & CHQ-WSB Wall Sounder Beacon

YBO-BS

Product Overview



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

Standard Features

- Loop powered
- Single loop address – addressed via the TCH-B200 hand held programmer
- 50 – 98 dB(A) ( $+2$ dB(A)) output at 1m
- Fits Hochiki standard or isolator base and supports ESP sensors, beacons and remote indicator
- 51 User-selectable tones (all tones EN54-3 compatible)

CHQ-AB

Product Overview



**An Addressable Loop-Powered Beacon**, with high-intensity LEDs and a Fresnel lens design which produces a highly visible flash. The casing exactly matches the Hochiki Analogue Sensor range in shape and colour providing seamless integration.

Standard Features

- High Intensity LED technology
- 1 Hz flash frequency
- Addressable via TCH-B200
- Up to 127 devices per loop
- Choice of 3 lens colours (red, amber and blue)

CHQ-DSC(SCI)  
CHQ-DSC(DIN)

Product Overview



**A 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.

Standard Features

- Single loop address
- Two independent sounder circuits
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1 amp
- Auxiliary monitored Input
- Outputs are synchronised and can be driven continuously or intermittently
- 24VDC. auxiliary power required
- Features an integral short-circuit isolator

CHQ-DRC(SCI)  
CHQ-DRC(DIN)

Product Overview



**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.

Standard Features

- Loop powered
- Single loop address
- Two independently controlled changeover relays
- Relays contact rated at 30Vd.c. at 1 amp
- Auxiliary monitored input
- DIN rail version available
- Both models feature an integral short-circuit isolator

## Product Overview

**A Dual Zone Module** designed to allow up to 60 conventional detectors (30 per zone) to be interfaced to Hochiki's Analogue addressable system. Also available as a DIN Rail mountable version. Both models feature an integral short-circuit isolator.

## Standard Features

- Single loop address / Supports two independent zones of conventional detectors
- Both zones fully monitored for Short/Open Circuit
- Requires an auxiliary 24Vd.c. supply
- DIN rail version available
- Both models feature an integral short-circuit isolator

## CHQ-DZM(SCI) CHQ-DZM(DIN)



## Product Overview

**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.

## Standard Features

- Loop-powered
- Single loop address
- Single mains rated relay contact
- Relay contact rated at 250Va.c. @ 5 amp (resistive) & 48Vd.c. @ 2 amp (resistive)
- Auxiliary monitored input
- Screw terminals & flying leads for easy cable termination
- DIN rail version available
- Both models feature an integral short-circuit isolator

## CHQ-MRC(SCI) CHQ-MRC(DIN)



## Product Overview

**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.

## Standard Features

- 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
- DIN rail version available
- Both models feature an integral short-circuit isolator

## CHQ-DIM(SCI) CHQ-DIM(DIN)



## Product Overview

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

## Standard Features

- Loop powered
- Up to 6 Conventional Detectors
- 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

## CHQ-SZM(SCI) CHQ-SZM(DIN)



Please call Incite Fire Firenet Support team for Firenet spare parts.

### HCP-E-ADD



### Product Overview

**Addressable Manual Call Point**

### Standard Features

- Fast Response
- Status LED
- Addressed using handheld programmer
- Complete with back box

### HCP-E-ADD-WP



### Product Overview

**Weatherproof Addressable Manual Call Point**

### Standard Features

- Fast Response
- Status LED
- Addressed using handheld programmer
- Complete with back box
- IP rated IP67

### DH-98-ASA



### Product Overview

**A Duct Probe Housing** associated with analogue ALK-AS detectors to be mounted on the outside of an air duct for the purpose of monitoring the air within the duct. (shown with sensor fitted – not supplied). Allows air duct sampling using standard detector or sensor

### Standard Features

- Test hole on cover.
- Simple installation/maintenance.
- Sensitive flow indication Installer-friendly connection of cables.

### TCH-B200



### Product Overview

**A Hand Held Address Programmer** designed to address the range of detectors 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 9v battery which can provide up to 8000 operations.

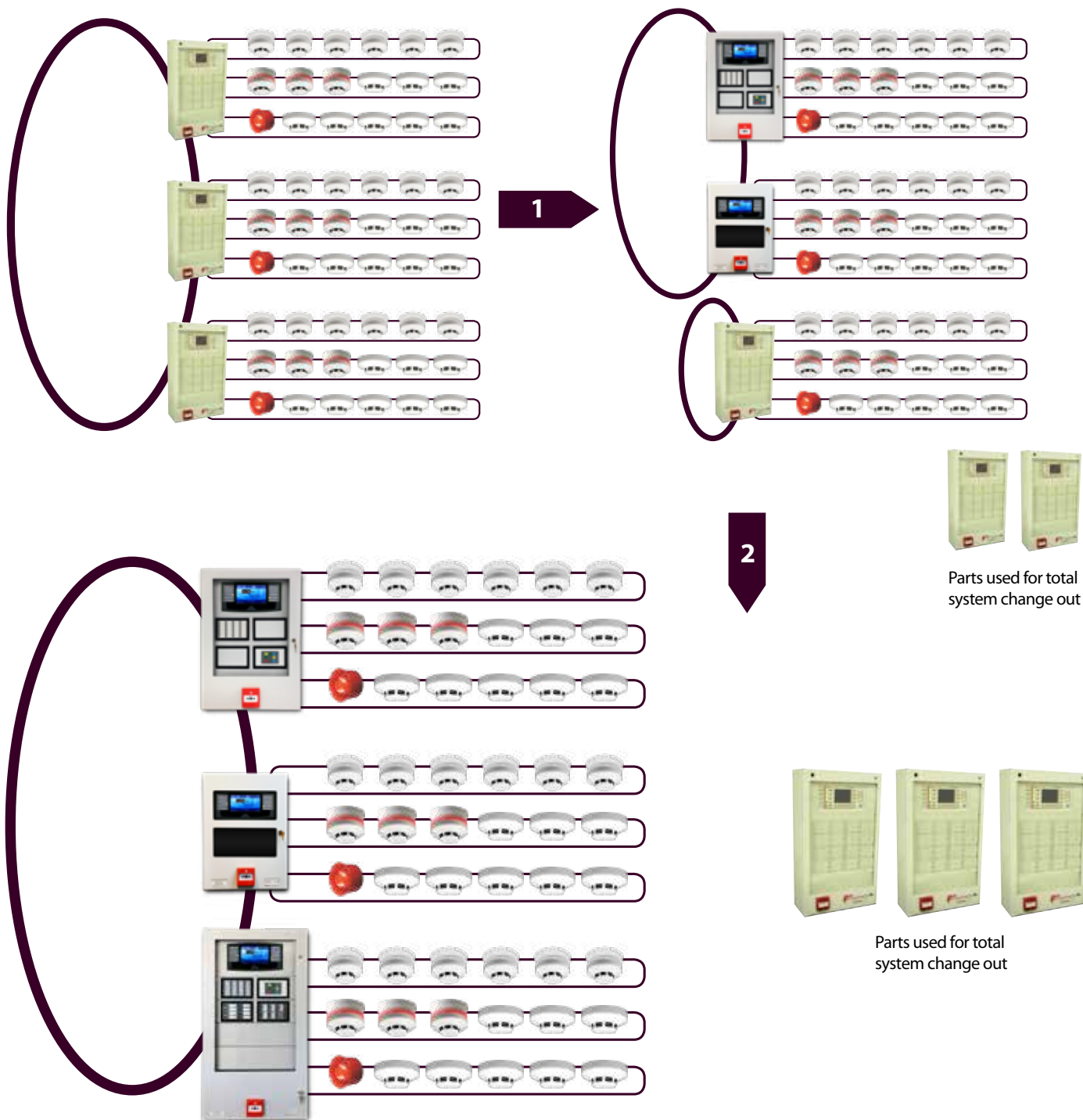
TCH-B200: Includes CO detection

### Standard Features

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



## FIRENET CHANGE OUT SOLUTION



### Only Use Compliant Products When Performing Changeouts

“Hochiki Australia’s AS approved Analogue Sensors (excluding HRE protocol sensors and Conventional Detectors) are compatible, tested and approved for use with the following fire control panels:

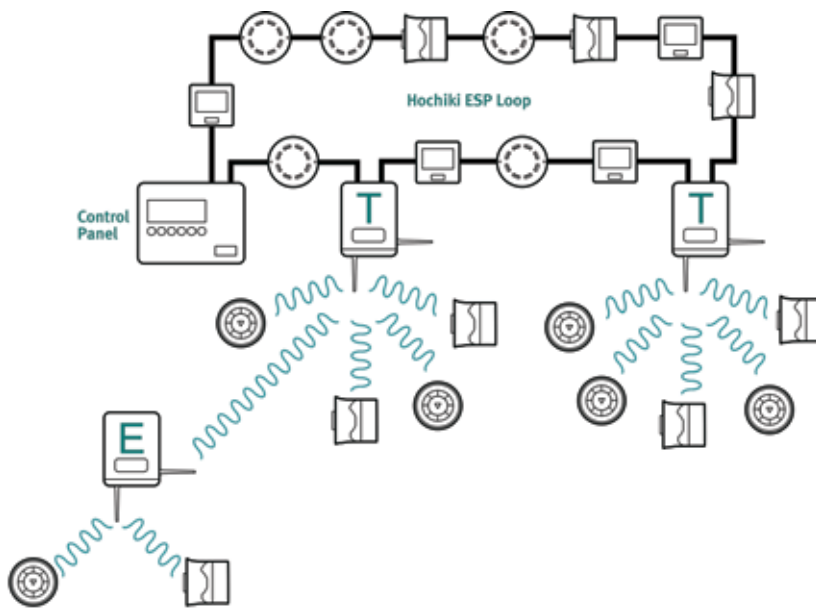
- Manufacturer Kidde Australia Pty Ltd/Model: NFP1&2, Phoenix, FIRENET
- Manufacturer Kentec Electronics Ltd /Model: Syncro AS, Taktis”

For further information please contact: FireNet Support Team (02) 9644 7144-PRESS 2.

AFP : 2014



# FIREwave®



## Standard Features

- Maximum number of 16 output devices such as A/V or output modules.
- Maximum of 5 child Expander Modules connected in cascade or a maximum of 3 child Expander Modules connected directly to the Translator Module or another Expander Module

### WLESS-RSM-WTM-AS

## Product Overview

## Standard Features



**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 using up to 7 RSM-EXP-AS Expander Modules.

- Loop powered
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- High reliability and sensitivity
- Flexible on site device adjustment
- Exterior IP65 mounting protection
- Makes additions to existing wired systems easy and cost effective
- Approved to AS4428.9-2006, EN54-17, 18

### WLESS-RSM-EXP-AS

## Product Overview

## Standard Features



**A Wire to 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-AS Expander Modules can be supported by a single RSM-WTM-AS Wireless Translator Module.

- 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
- Exterior IP65 mounting protection
- Makes additions to existing wired systems easy and cost effective
- Requires external power supply (9 ~ 27 Vdc)
- Approved to AS4428.9-2006, EN54-18

## Product Overview

**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-AS, RSM-EXP-AS or RSM-WTM-AS.

## Standard Features

- Input circuits are monitored for fire and fault conditions
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- High reliability and sensitivity
- Makes additions to existing wired systems easy and cost effective
- Approved to AS4428.9-2006, EN54-18

## WLESS-RSM-IP-AS



## Product Overview

**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-AS or RSM-WTMAS.

The unit's contacts can be configured to be normally open or normally closed and switch at 30 VDC/125 VACat 2 A.

## Standard Features

- Contacts can be configured as N/O or N/C
- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- Requires external power supply
- Approved to AS4428.9-2006, EN54-18

## WLESS-RSM-OP-AS



## Product Overview

**A Wireless Powered Output Module** which allows the Control Panel to activate/switch the circuits of an external device or system wirelessly via an RSM-CIM-AS, RSM-EXP-AS or RSM-WTM-AS. 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.

## Standard Features

- Contacts can be configured as N/O or N/C
- Selectable output - 12 Vdc or 24 Vdc
- Bi-directional wireless communication
- Automatic wireless channel hopping
- High reliability and sensitivity
- Makes additions to existing wired systems easy and cost effective
- Approved to AS4428.9-2006, EN54-18

## WLESS-RSM-POM-AS



## Product Overview

**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. Weatherproof version also available (RSM-CP/W-AS).

## Standard Features

- Bi-directional wireless communication
- Fully intelligent
- Utilises standard low cost lithium battery technology
- Long battery life
- Clear 'device activated' warning flag
- Automatic channel hopping
- Self optimising wireless amplitude and frequency
- Weatherproof version available

## WLESS-RSM-CP-AS



WLESS-ROD-E-AS

Product Overview

Standard Features



**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
- Makes additions to existing wired systems easy and cost effective
- Approved to AS7240.7-2004, AS4428.9-2006

WLESS-RHD-E-AS

Product Overview

Standard Features



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

- 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

WLESS-RMD-E-AS

Product Overview

Standard Features



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

- Detects smoke and/or heat
- Bi-directional wireless communication
- Adaptive signal processing helps with the elimination of false alarms
- Automatic wireless channel hopping
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- Approved to AS7240.5/7-2004, AS4428.9-2006

WLESS-RSM-WS(RED)-AS

Product Overview

Standard Features



**A Wireless Intelligent Wall Sounder providing 3 tones** with an adjustable volume level up to a maximum output of 100 dB(A). Also available in white, RSM-WS-AS(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
- Approved to AS4428.9-2006, EN54-3
- IP21C

WLESS-RSM-WS/W(RED)-AS

Product Overview

Standard Features



**A Wireless Intelligent Weatherproof Wall Sounder providing 3 tones** with an adjustable volume level up to a maximum output of 100 dB(A). Also available in white, RSM-WS/W-AS(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
- Approved to AS4428.9-2006, EN54-3
- IP21C

## Product Overview

**A Wireless Intelligent Weatherproof Wall Sounder Beacon Providing 5 Tones** with an adjustable volume level up to a maximum output of 100 dB(A). Also provides a flash rate/light output of 1 Hz/1 Cd and is available in white, RSM-WSB/W-AS(WHT).

## Standard Features

- 5 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
- Approved to AS4428.9-2006, EN54-3
- IP66

## WLESS-RSM-WSB/ W(RED)-AS



## Product Overview

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

## Standard Features

- 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
- Approved to AS4428.9-2006, EN54-3

## WLESS-RSM-BS-AS



## Product Overview

**A Wireless Intelligent Base Sounder Beacon providing 32 tones** as standard with a volume range of between 90.1 to 92.4 dB(A) at 1m 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-AS).

## Standard Features

- Flash rate of 1 Hz
- 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
- Approved to AS4428.9-2006, EN54-3

## WLESS-RSM-BSB-AS



## Product Overview

**A Protective Lockable Cap** which can be fitted to the RSM-BSB-AS and RSM-BS-AS wireless base sounders when either of these devices isn't fitted with a sensor.

## Standard Features

- Protects wiring terminals on isolator bases and base sounders
- Easy to fit

## WLESS-RSM-BSC



## Product Overview

**The Hochiki Wireless Conventional Interface Module (RSM-CIM-AS)** is a device that interfaces wireless field devices on to a Conventional Fire Control Panel (FCP) via the radial Zone circuit (for Detectors, Manual Call Points and Input Modules) and one of the radial Sounder circuits (for all Audio-Visual devices).

## Standard Features

- Bi-directional wireless communication
- Self optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- High reliability and sensitivity
- Flexible on site device adjustment
- IP68 protection for exterior mounting
- Requires external power supply for use as stand-alone zone
- Compliant with AS4428.9
- SAI Global Approved

## RSM-CIM-AS





## Sigma Conventional Panel



Relay Board (SIGMA-K580)

- Provides 8 zone voltage free normally open relays for door trip, plant trip, warning devices etc.
- 2 system relay for fire & fault

### Product Overview

The Sigma CP range consists of a series of conventional fire alarm control panels designed to comply with AS7240-2, AS7240-4 Fire Detection and Fire Alarm Systems - Control and Indicating Equipment

The range consists of 2, 4 and 8 zone control panels.

All control panels have an integral, mains powered battery charger and power supply.

### Standard Features

- Fully certified to AS 7420.2 and AS7240.4
- 2-wire and standard versions in 2, 4 or 8 zones (Detectors and sounders on same cable)
- 2-wire repeaters and ancillary boards
- Fully programmable using simple menu

#### Options

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

## Build Your Own SIGMA Panel

SIGMA-Cabinet Size + Zones + Options = SIGMA panel (see below example)

SIGMA-M32B1 which is an M3 cabinet, 4 zone panel with AIM and 20W OWS and Controls.

Cabinet Size
<b>M2</b> Includes: - 3Amp P/S

Zones
(1) 2 Zone (2) 4 Zone (3) 8 Zone

Options
(S) Standard (T) Tamper door and MCP



Cabinet Size
<b>M3</b> Includes: - Tamper door - MCP - 3Amp P/S

Zones
(1) 2 Zone (2) 4 Zone (3) 8 Zone

Options
(A) Blank (B) AIM (C) ASE Romtec (D) ASE Tyco (E) ASE Romtec and AIM

Options - with ABC only
(0) Nil (1) 20W OWS & Controls



Cabinet Size
<b>D3</b> Includes: - Tamper door - MCP - 5Amp P/S

Zones
(1) 2 Zone (2) 4 Zone (3) 8 Zone

Options
(A) Blank (B) AIM (C) ASE Romtec (D) ASE Tyco (E) ASE Romtec and AIM

Options - with ABC only
(0) Nil (1) 20W OWS & Controls (2) 40W OWS & Controls (3) 60W OWS & Controls



Cabinet Size
<b>D4</b> Includes: - Tamper door - MCP - 5Amp P/S

Zones
(1) 2 Zone (2) 4 Zone (3) 8 Zone

Options
(A) Blank (B) AIM (C) ASE Romtec (D) ASE Tyco (E) ASE Romtec and AIM (F) ASE Tyco and AIM

Options
(0) Nil (1) 20W OWS & Controls (2) 40W OWS & Controls (3) 60W OWS & Controls



### Customised SIGMA Panel Options available on request :

\* Fan Controls \* ANC Controls \* Relay Cards \* Other Cabinets Sizes

**Fire Door Control Panel – SIGMA-2-M2-SFDI**

Complete with **TIME DELAYED DOOR RELEASE** for alarm and mains fail

**BEL-SBDB(RED)**  
Sounder strobe deep base

**YBN-R/6(WHT)**  
Base and  
**SLV-AS3** Detector

**WARNING SLIDING FIRE DOOR**  
**WARNSLID**  
Sliding Fire door sign

**AFP-2516**  
**SIGMA-2-M2-SFDI**

**DH1360**  
100 kg Door holder

A kit is available containing all the above components (SIGMA-2-M2-SFDI-KIT)

**Product Overview**

The Sigma CP Fire Door Control Panel is a conventional fire alarm panel designed to comply with AS7240-2 and AS7240-4 Fire Detection and Fire Alarm Systems – Control and Indicating Equipment.

The SIGMA-2-M2-SFDI Sliding Fire Door Control Panel comes with 2 conventional zones and is fitted with the Sliding Fire Door Interface Module. This provides all the required outputs and inputs with selectable time delays for the sliding fire door application to enable warning and delay of the door release in the event of either alarm and or mains power failure.

As this is an approved panel you may have the option available to connect to the main building's Fire System (if on site) as a Sub panel.

**Standard Features**

- Certified to AS7240.2 and AS7240-4
- Standard options and features as per Sigma CP series panels
- 2 conventional zones (1 zone for each side Fire door) compatible with Hochiki SLV-AS3 detectors
- 24v Monitored Output for Sounder Strobe for use above fire door
- 24v Monitored Door Holder Output (up to 4 x door holders)
- Selectable 0-150 sec delay on door release output by simple jumper setting
- Mains Power Fail activates sounder strobe output and release door according to the delay setup
- Sounder strobe automatically turns off after 45sec of the door being released in the event of power fail, saving battery life

**Sigma-M2-DocBox  
Sigma-M3-DocBox**



**Product Overview**

**Doc Boxes (A4 and A3 size)**

Another addition to the range, the document box is designed to complement the design and colour of the Sigma and Syncro range of control panels. The document box will hold up to 100 sheets of A4 documents or log books.

The "DocBox" also doubles up as a key box providing 7 (M2) or 14 (M3) easily accessible key hooks inside the enclosure.

**Standard Features**

- Matches design and colour scheme for standard Sigma and Syncro AS control panel range
- Easy to install / Key lockable
- Designed for versatility
- Holds A4 size documents and Log books
- The document box also doubles as a key box providing 7 (M2) or 14 (M3) easily accessible key hooks inside

**(M2) 385W x 310H x 90D (mm)**

**(M3) 385W x 520H x 110D (mm)**

## Product Overview

### Occupant Warning Control (OWC)

## Standard Features

- Fits the standard Syncro AS & Sigma cabinet carrier plate
- Secure access to the control via standard 003 Key switch
- Alarm and Fault indicators
- High quality Inbuilt panel microphone
- Compatible with Evactron 20,40,60,120 OWS AMPS
- Compatible with Tyco TGen50 OWS AMPS
- Quick and easy to fit

## EVAC-SD-OWC



## Product Overview

### ASE Brackets

## Standard Features

- Available for ROMTEC and CENTAUR
- Light grey satin finish to suit other modules
- Fits neatly into viewing aperture
- Suitable for use in M3 and M4 size cabinets
- Mounts ASE to be flush

## KM-ASE-RT



## KM-ASE-CT

## Product Overview

### Alarm Interface Module

## Standard Features

- Fits Sigma cabinet carrier plate
- Interfaces to the ASE
- Controls door holders
- 1 each of alarm, fault & disable contacts
- 1 x Latching plant trip

## SIGMA-KAU-766



## Product Overview

The Sigma **Mimic system** uses flexible, fibre optic light guides to illuminate areas on a floor plan, laid over a high resolution grid. This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for any wiring.

Matrix-CP-M2 Matrix CP Mimic panel in M2 cabinet ( Max 24 zones)

Matrix-CP-M3 Matrix CP Mimic panel in M3 cabinet ( Max 56 zones)

Matrix-CP-S4 Matrix CP Mimic panel in S cabinet ( Max 88 zones)

## Standard Features

- Up to 320 LED's can be controlled
- Full colour printing
- Available in a range of standard enclosures to suit any application
- Bespoke sized units can be made upon request
- Choice of Red, Green or Yellow LED's
- Available with or without controls
- Same look and feel as Sigma range
- Sigma Matrix can easily be upgraded on site with minimal cost and effort

## Matrix-CP-M2 Matrix-CP-M3 Matrix-CP-S4



### SLV-AS3



### Product Overview

The **SLV-AS3 is a Photoelectric Smoke Detector** which is fully compatible with the majority of existing Conventional systems.

The SLV-AS3 incorporates Hochiki's unique High Performance photoelectric smoke chamber removing the need to use Ionisation Detectors in the majority of applications. An integral third terminal provides a remote indicator output.

### Standard Features

- Remote Indicator output
- Wide voltage range (9.5 ~ 30 Vd.c)
- Low profile design with one piece outer cover
- Twin alarm LEDs allow 360° viewing
- Range of mounting bases
- Approval: AS7240.7
- 3 terminal connect

### DCD-A3



### Product Overview

**Model DCD-A3 is a Rate of Rise Heat Detector** with a 60°C fixed temperature element using a thermistor and linearising circuit to provide an accurate linear response Heat Detector.

A third terminal provides integral remote indicator output.

The DCD-A3 is ideal for use where medium ambient temperatures exist, such as drying rooms or where Smoke Detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

### Standard Features

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 Vd.c)
- Twin alarm LEDs allow 360° viewing
- Range of mounting bases
- Approval: AS7240.5
- 3 terminal connect

### DCD-C3



### Product Overview

**Model DCD-C3 is a Rate of Rise Heat Detector** with a 90°C fixed temperature element using a thermistor and linearising circuit to provide an accurate linear response Heat Detector.

A third terminal provides integral remote indicator output. The DCD-C3 is ideal for use where medium ambient temperatures exist, such as drying rooms or where Smoke detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

### Standard Features

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 Vd.c)
- Twin alarm LEDs allow 360° viewing
- Range of mounting bases
- Approval: AS7240.5
- 3 terminal connect

### DFJ-A3



### Product Overview

**Model DFJ-A3 is a 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. The DFJ-A3 is ideal for use where medium ambient temperatures exist, such as drying rooms or where Smoke Detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

### Standard Features

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 Vd.c)
- Twin alarm LEDs allow 360° viewing
- Fixed Temperature Detector
- Range of mounting bases
- Approval: AS7240.5
- 3 terminal connect



## Product Overview

**Model DFJ-C3 is a 90°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. The DFJ-C3 is ideal for use where medium ambient temperatures exist, such as drying rooms or where smoke detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

## Standard Features

- Electronic linear heat detection
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 Vd.c)
- Twin alarm LEDs allow 360° viewing
- Fixed temperature detector
- Full range of mounting bases
- Approval: AS7240.5
- 3 terminal connect

## DFJ-C3



## Product Overview

**Model YBN-R/6 is a Conventional Detector Mounting Base** associated with the NEW Sigma CP series range of detectors.

## Standard Features

- Integral Remote Indicator Output
- Low Profile, only 8mm
- Rugged Design and Electronics Free
- Quick Connections Via Square Cable Clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors
- 3 terminal connect

## YBN-R/6(WHT)



## Product Overview

**Model YBO-R/6PA is a Conventional Detector Mounting Base** for 2 wire Systems where detectors and sounders are on the same zone cables.

## Standard Features

- Integral Remote Indicator Output
- Rugged Design
- Dedicated Cable Screen Terminal
- Quick Connection via square cable clamps accepts up to 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors
- 3 terminal connect

## YBO-R/6PA(WHT)



## Product Overview

**Conventional Latching Relay Mounting Base.** Model YBO-R/6R is a conventional detector mounting base associated with the NEW conventional range of detectors.

## Standard Features

- Integral Remote Indicator
- Wide Voltage Range – can be used in security systems
- Rugged Design
- Quick Connections via square cable clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors
- 3 terminal connect

## YBO-R/6R(WHT)



YBO-R/6N(WHT)



Product Overview

**Conventional Non-Latching Relay Mounting Base.** Model YBO-R/6N is a conventional detector mounting base associated with the NEW conventional range of detectors.

Standard Features

- Integral Remote Indicator
- Wide Voltage Range – can be used in security systems
- Rugged Design
- Quick Connections via square cable clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors
- 3 terminal connect

DFG-60BLKJ



Product Overview

**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.

Standard Features

- Waterproof design – rated to IP67
- Low profile shape
- Utilises a bimetallic strip to sense temperature change
- No mounting base required
- Minimal standby current
- Approval: AS7240.5
- Ivory

DRD-AS



Product Overview

**A Conventional Flame Detector** designed for internal use to detect large flames. The detection zone is a 90° cone and the detection range is up to and including 25m.

Standard Features

- Class 1 performance as defined in BS EN54-10:2002 (range up to 25m)
- Single IR technology
- Robust and slim design
- Low current consumption
- Easy to install
- Twin LEDs for 360° view
- Compatible bases: YBN-R/6, YBO-R/6PA when used on 2 wire system
- Approval: EN54-10

CSB-E(WHT)



Product Overview

**A Conventional Base Sounder** which has been designed to complement the Hochiki conventional range of detectors.

Improved electronic design enables very low current consumption whilst providing a range of tones and volumes selectable from each unit.

Standard Features

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

## Product Overview

**A Conventional Base Sounder Beacon** which has been designed to complement the Hochiki conventional 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.

## Standard Features

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

## CSBB-E(WHT)



## Product Overview

**Banshee Excel. An Electronic Conventional Sounder** which can be installed internally.

## Standard Features

- Integral Remote Indicator Output
- Low Profile, Rugged Design and Electronics Free
- Quick Connections Via Square Cable Clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors

## BANSHEE-MT BANSHEE-MT(WHT)



## Product Overview

**Banshee Excel. (BE-SDB) An Electronic Conventional Sounder** comes with a deeper IP66 back box, which enables the unit to be installed externally.

## Standard Features

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

## BE-SDB



## Product Overview

**Banshee Excel lite (BEL-SBSB) An Electronic Conventional Sounder Beacon** which can be installed internally.

## Standard Features

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

## BEL-SBSB(RED)



**BEL-SBDB (RED)**



**Product Overview**

**Banshee Excel Lite IP66 (BEL-SBDB) An Electronic Conventional Sounder Beacon** comes with a deeper IP66 back box, which enables the unit to be installed externally.

**Standard Features**

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



**CLB-E**



**Product Overview**

**A Conventional Beacon for use on 24V Sounder Circuits.**

The unit is fitted with a Fresnel lens and high-intensity LEDs, a design which produces a highly visible flash. The casing exactly matches the Hochiki conventional Detector range in shape and colour providing seamless integration.

**Standard Features**

- High Intensity LED technology
- Colour-matched to existing detector and base ranges
- Fits standard conventional base (YBN-R/6)



**STIRPRS01 (Surface mount)**



**Description**

**Conventional Red Manual Call Point**

**Standard Features**

- Resettable red call point
- Active Fire : AFP-2861
- Conventional resettable call point
- Mimics feel of glass break
- Activation indicator
- Reset with key
- Fitted with internal 470 ohm and 680 ohm resistors



## Product Overview

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

## Standard Features

- High Performance chamber
- Low profile design with one piece outer cover
- Twin alarm LEDs allow 360° viewing
- Remote Indicator output (with YBO-R/4A base)
- Compatible bases : YBO-R/4A and YBN-R/4C
- Approval: AS1603.2

## SLV-AS



## Product Overview

**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.

## Standard Features

- Electronic linear heat detection
- Twin alarm LEDs allow 360° viewing
- Remote Indicator output (with YBO-R/4A base)
- Compatible bases: YBO-R/4A and YBN-R/4C
- Approval: AS1603.1

## DCD-A



## Product Overview

**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.

## Standard Features

- Electronic linear heat detection
- Twin alarm LEDs allow 360° viewing
- Remote Indicator output (with YBO-R/4A base)
- Compatible bases: YBO-R/4A and YBN-R/4C
- Approval: AS1603.1

## DCD-C



## Product Overview

**A Conventional 60°C Fixed Temperature Heat Detector** using a thermistor and linearising circuit to provide an accurate linear response Heat Detector.

## Standard Features

- Electronic linear heat detection
- Twin alarm LEDs allow 360° viewing
- Fixed Temperature Detector
- Remote Indicator output (YBO-R/4A base)
- Compatible bases: YBO-R/4A and YBN-R/4C
- Approval: AS1603.1

## DFJ-60B



## Product Overview

**An IP67 Waterproof Conventional 60°C Fixed Temperature (DFG-60BLKJ(AS)) 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.

## Standard Features

- Waterproof design – rated to IP67
- Low profile shape
- Utilises a bimetallic strip to sense temperature change
- No mounting base required
- Minimal standby current
- Approval: AS7240.5

## DFG-60BLKJ





### DFJ-90D



### Product Overview

**A Conventional 90°C Fixed Temperature Heat Detector** using a thermistor and linearising circuit to provide an accurate linear response.

### Standard Features

- Electronic linear heat detection
- Twin alarm LEDs allow 360° viewing
- Fixed Temperature Detector
- Remote Indicator output (YBO-R/4A base)
- Compatible bases: YBO-R/4A and YBN-R/4C
- Approval: AS1603.1

### YBO-R/4



### Product Overview

**A conventional detector mounting base with remote LED function (YBO-R/4A)** associated with SLV-AS, DCD-A, DCD-C, DFJ-60B, DFJ-90D.

### Standard Features

- Remote indicator output
- 10mm Profile
- Rugged design and electronics free
- Quick connections via square cable clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors

### YBN-R/4C



### Product Overview

**A conventional detector mounting base without remote LED function** associated with SLV-AS, DCD-A, DCD-C, DFJ-60B, DFJ90D

### Standard Features

- Low Profile, only 8mm
- Rugged design and electronics free
- Quick connections via square cable clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors

### DRD-AS



### Product Overview

**A Conventional Flame Detector** designed for internal use to detect large flames. The detection zone is a 90° cone and the detection range is up to and including 25m.

### Standard Features

- Class 1 performance as defined in BS EN54-10:2002 (range up to 25m)
- Single IR technology
- Low current consumption
- Twin LEDs for 360° view
- Compatible bases: YBN-R/6, YBO-R/6PA
- Approval: AFP-2518

### SPC-AS



### Product Overview

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

### Standard Features

- 5 - 100 m range
- Automatic compensation
- Automatic signal strength adjustment
- Features a latching or non-latching fault relay
- Can be interfaced onto Hochiki Analogue system via CHQ-DZM, CHQ-POM or CHQ-SZM
- Approval: AS7240.12)

## Product Overview

Sigma XT control panels are multi-area extinguishant control panels designed to comply with AS7240-2, AS7240-4 Fire Detection and Fire Alarm Systems - Control and Indicating Equipment, and AS ISO 14520.1 2009 Gaseous Fire Extinguishant Systems.

2 to 8 zones of conventional detection.

Each extinguishant panel has a comprehensive set of inputs and outputs and is configurable via a simple programming interface.

All extinguishant areas may have up to 7 warning signs and remote status units serially connected.

The versatility of the control panel can be enhanced further by increasing power supplies, slaving signs from master signs, hydrosense water detection and wireless signalling.

## Standard Features

- Approved design to comply with AS7240-2, AS7240-4 Fire Detection and Fire Alarm Systems - Control and Indicating Equipment, and AS ISO 14520.1 2009 Gaseous Fire Extinguishant Systems.
- 2, 4 or 8 detection zones
- 1 to 4 extinguishant areas
- Dual extinguishant outputs for each area (configurable as Main/Reserve)
- First and second stage sounder outputs for each area
- Released volt free contact per area
- Fault volt free contact per area
- Programmable extinguishant delays
- Programmable output duration

## Sigma XT



## Product Overview

### Extinguishant Status Control Panel

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.

## Standard Features

- 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 and Manual mode select keyswitch option

## ECU-LCS

(Remote Status Unit)



## Product Overview

### ECU-HS (Extinguishant Hold Off Switch)

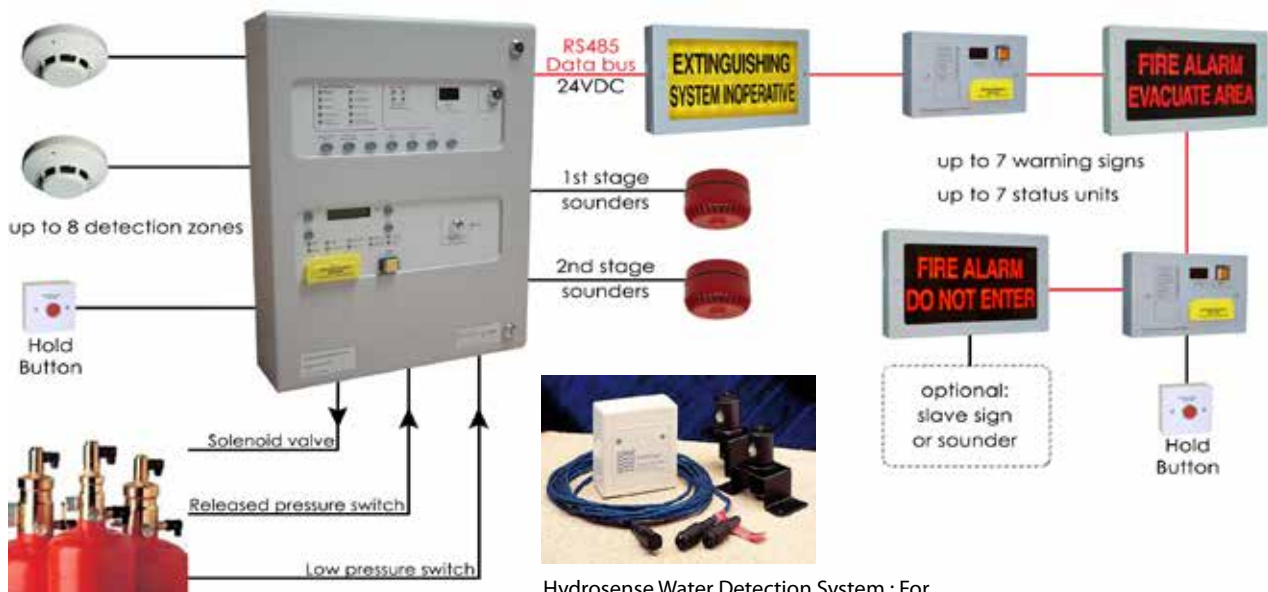
## Standard Features

- Shrouded red push button to prevent accidental operation
- Fitted with normally open and closed contacts to allow operation with monitored and unmonitored systems.
- Robust all steel enclosure

## ECU-HS



Warning signs see following page



Hydrosense Water Detection System : For more information see [www.incitefire.com.au](http://www.incitefire.com.au)

## Product Overview

Our range of illuminated warning signs employ the very latest in LED technology to provide a high reliability, high brightness, audio/ visual warning indication unit. The brightness of the sign remains constant over its entire operating range of 15 to 30 volts DC due to the unique power boost circuitry employed. This ensures that even with a system running on depleted batteries, all signs remain at full intensity. A range of standard text signs are available and customised text and languages are easily accommodated due to the unique method employed to apply the lettering. The split level design allows one message to be displayed in the top half of the sign and an additional message to be displayed in the bottom half of the sign allowing for two stage warnings for systems such as extinguishing protection system.

## RS485 Warning Signs - For Sigma XT Extinguishant Panel

### ECU-WS-ESI



### Product Overview

"EXTINGUISHING SYSTEM INOPERATIVE"

- High brightness white LED's
- Split level function - programmable
- Up to 7 signs per RS485 bus
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA

### ECU-WS-FA/ DNE



### Product Overview

"FIRE ALARM/DO NOT ENTER"

- High brightness white LED's
- Split level function - programmable
- Up to 7 signs per RS485 bus
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA

### ECU-WS-FA/EVAC



### Product Overview

"FIRE ALARM/EVACUATE AREA"

- High brightness white LED's
- Split level function - programmable
- Up to 7 signs per RS485 bus
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA

### ECU-WS-FA/DNE - WP



### Product Overview

"FIRE ALARM/DO NOT ENTER"

(Weatherproof)

- High brightness white LED's
- Split level function - programmable
- Up to 7 signs per RS485 bus
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA / IP 55

## Generic Warning Signs

### WS-GEN-ESI



### Product Overview

"EXTINGUISHING SYSTEM INOPERATIVE"

- High brightness white LED's
- Split level function - programmable
- 2 wire reverse polarity input
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA

### WS-GEN-FA/ DNE



### Product Overview

"FIRE ALARM/DO NOT ENTER"

- High brightness white LED's
- Split level function - programmable
- 2 wire reverse polarity input
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA

### WS-GEN-FA /EVAC



### Product Overview

"FIRE ALARM/EVACUATE AREA"

- High brightness white LED's
- Split level function - programmable
- 2 wire reverse polarity input
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA

### WS-GEN-FA/DNE - WP



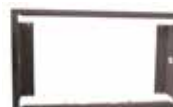
### Product Overview

"FIRE ALARM/DO NOT ENTER" (Weatherproof)

- IP 55
- High brightness white LED's
- Split level function - programmable
- 2 wire reverse polarity input
- Internal buzzer with disable
- 300W x 195H x 50D (mm)
- 15-30VDC / 130mA /

## Flush Surround

Available for all non-weatherproof warning signs



(KM-FS-WS)

## Description

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

Note – requires SR-BACKBOX if surface mounted (sold separately)

## Standard Features

- Single loop address
- Two independent sounder circuits
- Each circuit fully monitored for open and short circuit faults
- 24Vd.c. auxiliary power required
- Features an integral short-circuit isolator

## HCP-EM



## Description

**The RSM-CP-AS is 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. Weatherproof version also available (RSM-CP/W-AS).

## Standard Features

- 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
- Automatic channel hopping
- Self optimising wireless amplitude and frequency
- Compliant to AS4428.9
- SAI Global Approved

## Wireless RSM-CP-AS



## Description

**Conventional red manual call point**

## Standard Features

- Resettable red call point
- Active Fire : AFP-2861
- Conventional resettable call point
- Mimics feel of glass break
- Activation indicator
- Reset with key
- Fitted with internal 470 ohm and 680 ohm resistors

## STIRPRS01 (Surface mount)



## Description

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

## Standard Features

- Supports either a 'Frangible Glass' element or a 'Non-Frangible Plastic' element
- Terminals can accommodate up to a 2.5mm<sup>2</sup> solid conductor
- Rugged design
- ATEX Classification to II 1G EEx ia IIC T4

## CCP-E-IS



## Description

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

## Standard Features

- Supports either a 'Frangible Glass' element or a 'Non Frangible Plastic' element
- Terminals can accommodate up to a 2.5mm<sup>2</sup> solid conductor
- Rugged design
- ATEX Classification to II 1G EEx ia IIC T4

## CCP-W-IS



## Description

**Spare glass ( PACK OF 5)**

## Standard Features

- KAC Replacement glass
- Fits KAC and Hochiki call points
- Pack of 5
- Dimensions: 76mm x 40mm

## KAC-GLASS





### HCP-E-ADD

### Product Overview

### Standard Features



Addressable manual call point

- Fast Response
- Status LED
- Addressed using Handheld Programmer
- Complete with back box

### HCP-E-ADD-WP

### Product Overview

### Standard Features



Loop driven **weatherproof** addressable manual call point

- Fast Response
- Status LED
- Addressed using Handheld Programmer
- Complete with back box
- IP rated IP67

## Which Call Point Protector do you need?

#### Integral Cover

STIIC



- Problem...**
- Low impact
  - Accidental

- Solution...**
- Polycarbonate front protection.

#### Call Point Stopper®

STI6930 (Flush)  
STI6931 (Surface)



- Problem...**
- Low impact
  - Accidental

- Solution...**
- Polycarbonate front & side protection
  - Prevents misuse and accidental damage to a wide range of electrical switches and call points.

#### Euro Stopper®

STI15C10ML (Surface)  
STI15C20ML (Surface/Sounder)



- Problem...**
- High impact
  - Malicious

- Solution...**
- Polycarbonate front & side protection
  - 96 dB deterrent alarm
  - Prevents false fire alarms or access control MCP misuse.
  - Supplied in kit form with glow in the dark frame. Red and green housing shells provided.

#### Universal Stopper®

STI13110FR (Surface)  
STI13120FR (Surface/Sounder)



- Problem...**
- High impact
  - Malicious
  - Weather

- Solution...**
- Polycarbonate front & side protection
  - 96 dB deterrent alarm
  - Ingress prevention - conforms to IP56
  - Protects call points and switches without hindering legitimate operation. Suitable for indoor/outdoor use.

#### Enviro Stopper®

STI13610FR (no Sounder)  
STI13620FR (incl Sounder)



- Problem...**
- High impact
  - Malicious
  - Environmental

- Solution...**
- Polycarbonate front & side protection
  - 96 dB deterrent alarm
  - Ingress prevention - up to IP66 certified



## Product Overview

### Extinguisher and Hose reel theft stopper

Its highly visible 'stop sign' design discourages wrongful use.

If the protected fire extinguisher is moved from its normal position, an integral sounder emits a piercing alarm. The device is easy to install and a deactivation cable is supplied for ease of servicing the extinguisher.

The Extinguisher Stopper is supplied complete with an operating cable kit and a 9V PP3 alkaline battery.

## Standard Features

- Highly visible 'stop sign' design discourages wrongful use of extinguisher
- Sounds a powerful 98dB (at 1 metre) warning alarm when activated (95dB low volume setting if desired)
- Self contained 9VDC alkaline power source is provided
- Lifetime guarantee against breakage of polycarbonate housing (one year on electronic components)
- Virtually indestructible polycarbonate housing
- Deactivation cable is provided for service by authorised personnel

## STI6200



## Product Overview

### Break Glass Keybox

The STI 6720 protects emergency keys and documents, while keeping them accessible in the event of an emergency.

## Standard Features

- Excellent and an inexpensive way to protect emergency keys and documents from theft or wrongful use
- Keys remain visible as well as available in case of an emergency
- Fast and easy to install and supplied with fixings
- Inexpensive replacement glass available
- Lifetime guarantee against breakage of the polycarbonate housing
- Aesthetically appealing

## STI6720



## Product Overview

### Wire Detector Guards/mount

Protector for areas where abuse to equipment is severe. STI borrowed from nature's master builder the spider, to create a web of protection from vandalism and accidental damage.

STI9604: 175mm x 50mm (63mm internal depth)  
STI9605: 180mm x 50mm (115mm internal depth)

## Standard Features

- 9 gauge steel wire
- For surface mount applications
- Easy to install
- Corrosion resistant coating
- May be spray painted for decor
- Simple removal for servicing
- STI9604 75mm D x 175 mm Die
- STI9605 145mm D x 214mm Die

## STI9604/STI9605



## Product Overview

### Beacon And Sounder Cage

This steel cage is designed to protect beacon and alarms from vandalism and accidental damage. Constructed of heavy gauge steel wire with corrosion resistant polyester coating.

## Standard Features

- Constructed from heavy gauge steel wire with corrosion resistant polyester coating.
- Protects against vandalism or accidental damage.
- Designed to not interfere with the operation of the protected unit.
- Fast and easy installation.
- Simple removal for servicing unit.
- Tamper resistant screws available.
- Measures: 3.7" W x 3.5" D (95 x 90 mm).

## STI9615



For a full range of cages see [www.incitefire.com.au](http://www.incitefire.com.au)

**Power supplies/ Cabinets**



**Power Supply /Battery Charger**

The PS406-PS408 power supply/battery charger has been developed using switched mode technology to produce an efficient and lightweight power unit for a host of fire alarm applications.

Suited to almost any application, the PS406-PS408 is designed to be a universal power source which will reduce spares stock holding and increase serviceability of systems.

Available in a range of cabinets as detailed on the right.

**Standard Features**

**PS407** = PSU S407 - 24V - 2.5Amp Power Supply

**PS407-M2D** = 24V-2.5A PSU CABINET, UP TO 12AH (385W X 310H X 110D)

**PS407** = PSU S406 - 24V - 5.25Amp Power Supply

**PS406-M3** = 24V-5.25A PSU CABINET, UP TO 22AH (385W X 520H X 110D)

**PS406-M3D** = 24V-5.25A PSU CABINET, UP TO 26AH (385W X 520H X 200D)

**PS408** = PSU S408-24V@10 Amp Powersupply

**PS408-M3D** = 24V-10.25A PSU CABINET, UP TO 45AH (385W X 520H X 200D)

**DH1360**



**Product Overview**

**100 Kgs Door Holder - wall or floor mounting**

- 24VDC (100mA)
- Wall mounting / Floor mounting
- Reversible release button
- 100 Kg Rated

**DH1369**



**Product Overview**

**Floor-Mounting Electromagnetic Door Release Unit**

- Floor-mounting
- Aluminum structure
- Holding strength 50kg
- Release button

**DH1350**



**Product Overview**

**WALL MOUNT DOOR HOLDER**

- 50Kg holding force
- Aluminium & thermoplastic housing wall mount
- Rated voltage 24VDC / Operating current 45mA

DH1350 Also available in 100KG - DH1360

**DH150**



**Product Overview**

**150MM POST FLOOR/WALL MOUNT DOOR HOLDER**

- Floor or wall mount with 150mm post
- 50Kg holding force
- Rated voltage 24VDC
- Operating current 45mA

**DH300**



**Product Overview**

**WALL/FLOOR DOOR MOUNT**

- Floor or wall mount with 300mm post
- 50Kg holding force
- Rated voltage 24VDC
- Operating current 45mA

**DHANVIL**



**Product Overview**

**DOOR HOLDER ANVIL 1350**

Anvil to suit DH150 and DH300

**DRS004**



**Product Overview**

**DOOR RELEASE SWITCH**

- Press switch to release door holder
- Standard GPO plate size

**REM-RF**



**Product Overview**

**REMOTE INDICATORS**

- REM-RF - IN ROOF
- REM-CS - IN CONCEALED SPACE
- REM-CL - IN CEILING
- REM-RM - IN ROOM

## Product Overview

### Telescopic Handheld Smoke Can

- Telescopic nozzle
- Minimises harmful residue
- More tests per can
- Faster detector activation and clearing
- Silicon free testing
- 150ml can

## SMOKE-SABRE



## Product Overview

### 150ml Hand Held Smoke Can

- Approximately 100 tests per can
- Hand-held use only

## SMOKE-CHEK



## Product Overview

### CANNED SMOKE - SOLO (FOR SOLO DISPENSER)

- 250ml Can Smoke
- Solo dispenser use only
- No Damage to detector plastics/ components

## SMOKE-SOLO



## Product Overview

### SOLO-CO AEROSOL FOR CARBON MONOXIDE

- SOLO-Co Aerosol Can Smoke -
- Dispenser Use Only

## SMOKE-SOLO-CO



## Product Overview

### PEN STYLE SMOKE GENERATOR

- Complete with 6 smoke sticks
- 360 smoke tests of 30 seconds each
- 6 sticks equals approx 3 hours continuous smoke

## SMOKE-PEN



## Product Overview

### SMOKE BOMB CARTRIDGE (5 PACK)

- 5 Bombs per pack
- Ideal for open area testing such as warehouses or sporting venues
- Grey/white smoke bombs, burntime approx 240 sec

## SB-2.5



## Product Overview

### CAN COMPRESSED AIR

Can compressed air suits detector & internal panel cleaning

## DUSTOFF



## Product Overview

The **Famco Fire Detector Holder** allows the installation of a Fire Detector within the ceiling space at variable heights.

The Famco Fire Detector Holder enables removal for inspection of the detector in the ceiling space from below the ceiling

Poles 1M : FP-1, 2M: FP-2, 3M: FP-3

## FP1200/LED



## Product Overview

### DIGITAL IMPEDANCE METER

An absolute necessity for all PA system installers. This impedance meter calculates and displays speaker loads in watts.

Most impedance meters on the market display the impedance in ohms, leaving the installer to calculate the system wattage. Measures and calculates loads for both 100V and 70V line systems. The meter comes with test leads and 9V battery.

## IM-2001



## Product Overview

### 140MM HOLE SAW

- Suitable for most 100mm quick fit speakers
- Check speaker specifications

## T2312A



**CABLERED**



**Product Overview**

**RED TWIN 24/0.20 100MTR**

Size: 2 x 24/0/20 Voltage Rating: 600V  
 AC Current Rating: 7.5 Amps  
 Outside Dimensions: 6 x 3.5mm  
 Conductor Area: 0.75mm<sup>2</sup>  
 Conductor Gauge: 18AWG  
 Temperature Rating: 75°C  
 Roll Size: 100m

**LD/USB-DB9-WIN7**



**Product Overview**

**10CM LEAD, PREMIUM USB TO DB9 SERIAL CONVERTER**

- 10cm lead
- Windows 7 Compatibility
- AND yes this will work with VESDA, FIRENET etc

**LD/DB15-DB15 LD/DB9-DB9**



**Product Overview**

**D15M-D15F VESDA HANDHELD PROGRAMMER LEAD**

1.8m - DB9M, (Male) to DB9F, (Female)

**SMOKE-SOLO100**



**Product Overview**

**SOLO FIBREGLASS TELESCOPIC POLE - 4.5M**

- 4.5m reach
- Up to 3 SOLO101 extension poles can be added to the SOLO100
- The pole also houses the battery batons for the cordless heat tester

**SMOKE-SOLO720**



**Product Overview**

**SOLO BATTERY BATON FOR CORDLESS HEAT DETECTOR TESTER**

- Charges from 220/240V AC supply or 12V DC car socket
- Use Solo Fast Battery Charger (NC-Solo 721) to recharge battery batons continuous smoke

**SMOKE-TESTIFIRE 6001**



**Product Overview**

**TESTIFIRE SMOKE & HEAT DETECTOR TESTER**

- This kit includes the following:
- Testing head, 2 x battery batons, Battery charger, Detector removal tool, 1 x smoke capsule, 4.5m telescopic

**SMOKE-TESTIFIRE 6201**



**Product Overview**

**TESTIFIRE SMOKE, HEAT & CO DETECTOR TESTER**

- This kit includes the following:
- Testing head, 2 x battery batons, Battery charger, Detector removal tool, 1 x CO smoke capsule, 4.5m telescopic

**SMOKE-SOLO822**



**Product Overview**

**SOLO 822 HEAT AND SMOKE TESTER KIT TO 6M**

- The Solo 822 kit includes the following:
- 1 x Cordless heat detector tester, 1 x Smoke dispenser, 1 x Detector removal tool, 1 x 4.5m fibreglass telescopic extension pole, Protective carry bag

**SMOKE-SOLO330**

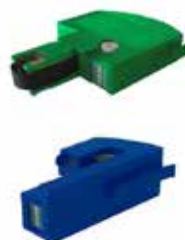


**Product Overview**

**SOLO SMOKE DISPENSER UNIT**

- Strong & Durable yet lightweight
- Clear cup & diaphragm to view detector LED
- Suits most detectors

**SMOKE-TESTIFIRE TC3 & TS3**



**Product Overview**

**CARBON MONOXIDE TESTING CAPSULE FOR TESTIFIRE UNIT (TC3)**

**SMOKE TESTING CAPSULE FOR TESTIFIRE UNIT (TS3)**

- Between 50 & 150 tests per capsule

## Product Overview

**The QE90 emergency warning & intercommunication system (EWIS)** is designed to facilitate the orderly evacuation of a building in the event of an emergency. The evacuation may be initiated automatically by a fire alarm system, or by a building occupant operating an emergency call point. Integrating a flexible alarm and voice warning system with a dedicated emergency intercom system, the QE90 allows fire wardens or emergency services personnel to easily control & coordinate rapid building evacuation.

## Standard Features

- Choice of 10, 25, 50, 100 or 200 Watt RMS power amplifier modules. Multiple amplifiers may be allocated to individual zones for greater power
- Selection of ISO8201 or AS2220 evacuation signal
- Background music (BGM), local & non emergency paging may be directed to selected areas
- Areas covered by non emergency paging do not need to correspond to evacuation zones

## QE90



## Product Overview

**Evacuation Module**

## Standard Features

- Voice-over message, removable SD Card with tone and message library.
- Monitored Strobe Output, 2 wire reversing polarity, up to 3amps to directly drive strobes.
- 22-30VDC power input with reverse-polarity protection.
- High efficiency, low stand-by and full-load current draw, class D amplifiers (20-120 watt)
- Onboard LED indication for fault and function status.
- ALERT and EVACUATE tones (ISO T3-default or AS 2220 selectable via DIP switch)
- 4 x external inputs, to trigger custom SD tones or messages, 2 extra via SD FASCIA/KEYPAD

## EVAC-SD-20 EVAC-SD-40 EVAC-SD-60 EVAC-SD-120



## Product Overview

**Strobe Relay Card**

## Standard Features

- Up to 5amps per circuit
- Quiescent current 70mA
- Dimensions 95L x 55W x 25H
- End of line 4K7 ohms
- Monitor and switch alert & evacuate strobe indicators

## STRCARD



## Product Overview

**4 Speaker Circuit line Monitoring Card**

## Standard Features

- 100V line voltage in & out
- Maximum load output 250watts per card
- Current draw 90mA
- Dimensions 140L x 75W x 22H
- End of line 22K

## LMU-4





**SPG100**



**100MM FLUSH MOUNT SPEAKER**

- 5 tapings up to 5W
- 100V line dual cone fire / evac speaker
- Transformer safety cover
- Uses 100mm grill (SPGG)

Also available

**SPG100-LP** - 100mm low profile, only 54mm high

**SPGG**



**100MM SLIMLINE GRILL**

- Super slimline grill
- Overall diameter of 155mm
- Suits SPG100 & SPG100-LP

Also available

**SPGG-B** – 100mm black slimline grill

**SPQF100**



**QUICK FIT SPEAKERS - 100mm / 200mm**

- **SPQF100** Quick to install - 100mm / **SPQF200** Quick to install - 200mm
- 100V line dual cone fire / evac speaker
- 5 tapings up to 5W (100mm) and up to 15W (200mm)
- Transformer safety cover

Also available

**SPQF100-B** – as above in black

**SPQF100-LP** - 100mm quick fit speaker - low profile

**SPQF200-B** – 200mm black quick fit speaker

**SPQF200-HP-B** – 200mm black quick fit high powered speaker

**SMQF100**



**100MM / 200MM QUICK FIT SURFACE MOUNT SPEAKER**

- 100V line dual cone fire / evac speaker
- 5 tapings up to 5W (100mm) and up to 15W (200mm)
- Transformer safety cover
- Back box with concealed internal fixings
- Quick fit speaker snaps into back box

Also available

**SMQF100-B** - 100mm quickfit speaker - black

**SMQF200-B** - 200mm quickfit speaker - black

**SMQF200-HP-B** - 200mm high powered quickfit speaker - black

**HORN-C2050**



**10W 100V HORN SPEAKER IP66 (EWIS) + DOG LEG BRACKET**

- The dog leg bracket eliminates the need to separate the horn from the bracket during installation, saving time and money.
- 5 tapings from 1.25W – 10W
- UV stabilised ABS plastic for long life in the sun / Weather resistant
- Superb speech reproduction / Excellent frequency
- Emergency PA and EWIS compatibility
- Available in white - HORN-C2051

**100mm (4") 100V 5W Ceiling Speaker**

- Designed to meet Australian Standard AS 7240.24
- Excellent speech intelligibility
- Tuned PA driver designed to meet the latest fire standards
- High quality speaker driver developed for BGM, paging and emergency warning applications
- Fitted with 4 way wire protect terminal for loop in, loop out wiring.
- Fitted with cable restraint plate and flame retardant safety cover.
- 5 year warranty.

**SP-C2170 (WHT)**  
**SP-C2171 (BLK)**



**100mm One-Shot Rat-Trap EWIS Fire Ceiling Speakers with Plastic or Aluminium Grille**

- Designed to meet Australian Standard AS 7240.24
- Excellent speech intelligibility
- Tuned PA driver designed to meet the latest fire standards
- High quality speaker driver developed for BGM, paging and emergency warning applications
- Fitted with 4 way wire protect terminal for loop in, loop out wiring.
- Fitted with cable restraint plate and flame retardant safety cover.
- 5 year warranty.

**SP-C2160 (WHT, P)**  
**SP-C2161 (BLK, P)**  
**SP-C2260 (WHT, A)**  
**SP-C2261 (BLK, A)**



**10W 100V Line ABS AS 7240.24 Horn Speaker**

- Designed to meet AS 7240.24 for fire/evac installations
- Twist lock cap reduces installation time
- UV stabilised ABS construction
- Excellent sound dispersion
- IP66 rated for weather resistance
- EWIS line monitoring system compatible
- Two cable glands supplied for loop in, loop out wiring
- 5 year warranty

**HORN-CF2053G**  
**HORN-CF2053R**  
**HORN-CF2053W**  
**HORN-CF2053B**



**100mm / 200mm 100V 5W Surface Mount Speaker**

- Designed to meet AS ISO7240.24 standard for fire & evacuation warning systems
- Excellent speech intelligibility
- Fitted with supervisory capacitor for line monitoring
- High impact enclosure and grille

**SPSM-CF0703 100mm (WHT)**  
**SPSM-CF0704 100mm (BLK)**  
**SPSM-CF0715 200mm (WHT)**  
**SPSM-CF0716 200mm (BLK)**



**200mm 15W 100V Fire Speaker White**

- Designed to meet AS ISO7240.24 standard for fire & evacuation warning systems
- Flame retardant housing
- Tuned PA driver to suit new approval requirements
- One-shot simple snap fit design

**SPSM-CF0720**



## SOUNDERS

### ROSHNI



- 9-28V DC electric sounder
- High sound output
- Wide operating voltage 9-28VDC
- Low current consumption
- 32 selectable tones
- Volume control

ROSHNI • Lockable shallow base standard & deep base available for IP65



### BANSHEE-MT

- Banshee Excel. An Electronic Conventional Sounder which can be installed internally.
- Integral Remote Indicator Output
- Low Profile, Rugged Design and Electronics Free / low current consumption
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors
- BANSHEE-MT = Red / (WHT) = White

### BEACON-WB-R



IP RATED

- Deep base for Roshni
- IP65
- Picture shows Roshni with BEACON-WB-R fitted



IP RATED

### BE-SDB

- Banshee Excel. (BE-SDB) An Electronic Conventional Sounder comes with a deeper IP66 back box, which enables the unit to be installed externally.
- Deep base provides IP66 protection
- Maximum 110dB(A) at 1m (dependant on tone selected)
- 32 user-selectable tones

### SQUASHNI



- Fixing platform for Hochiki detector bases
- Blank cover for use as stand alone sounder
- Colour matched to Hochiki detectors
- Operating voltage 10-28VDC
- Operating current 8-35mA

SQUASHNI • Ultra slim profile for unobtrusive installation



### CSE-E(WHT)

- A Conventional Base Sounder which has been designed to complement the Hochiki conventional range of detectors.
- Easy to install
- Maximum 93dB(A) @ 1m (Tone 1)
- 32 user-selectable tones and 3 user selectable volumes
- Utilises high intensity LEDs
- **Lockable cap available CS/CAP.**

## STROBES

### BEACON-R



- 24V DC red Strobe
  - Wide operating voltage 9-60VDC
  - Current surge suppression
  - Constant performance over voltage range
  - Locking base standard
- BEACON-WB-R = Deep base available for IP65



### BEACON-A

- 24V DC amber Strobe
  - Wide operating voltage 9-60VDC
  - Current surge suppression
  - High efficiency
  - Constant performance over voltage range
  - Locking base standard
- BEACON-WB-R = Deep base available for IP65

### STRRED-AMB-LP



- Low current draw 100mA
- Sturdy white powder coated steel chassis
- Conduit knockouts for cable entry
- Operating voltage 24 VDC
- Dimensions 285L x 122W x 85H • Flash rate 1.5Hz
- Terminal block enables 2,3 or 4 wire operation



### STRRED-AMB-WP

- Weatherproof IP65 rated
- No start up current surge
- Flash rate 60/min
- Operating voltage 20-30VDC
- White ABS plastic base
- Dimension 185L x 93W x 100H
- Low current consumption - 90mA per strobe

## COMBINED SOUNDER STROBE

### FLASHNI

- Operating voltage 18-28VDC
- High output sounder beacon
- Volume control
- Lockable base standard
- Deep base available for IP65



### BEL-SBSB(RED)

- Banshee Excel lite (BEL-SBSB) An Electronic Conventional Sounder Beacon which can be installed internally.
- Low current consumption
- Easy to install
- Maximum 110dB(A) at 1m (dependant on tone selected)
- 32 user-selectable tones



### BEACON-WB-R

- Deep base for FLASHNI
- IP65
- Picture shows Flashni with BEACON-WB-R fitted



IP RATED

### BEL-SBDB(RED)

- Banshee Excel Lite IP66 (BEL-SBDB) An Electronic Conventional Sounder Beacon comes with a deeper IP66 back box, which enables the unit to be installed externally.
- Low current consumption
- Easy to install
- Maximum 110dB(A) at 1m (dependant on tone selected)
- 32 user-selectable tones



IP RATED

## BELLS

### BBX-4

- Bell mounting box for B8-24
- Provides easy installation
- Weather resistant



### B8-24

- Bell 8"
- Red finish with 'FIRE' in large lettering.
- Back box available (BBX-4)
- Dimensions: 200mm diameter



### WIP-S

- Red warden intercom phone
- Selectable line impedance 600Ω or 4.7KΩ
- Simple two wire connection
- Includes wall mounting bracket
- Water & dust protected to IP65



### KAC-WHITE

- White call point
- Plug 'n' play installation
- Maximum voltage 30VDC
- Current rating 2 Amps
- Operating temperature -30 deg - +70 deg
- Anti-tamper facility available



## Aspirating Smoke Detector (including SSD 31)



**SEC-ASD-531** 1 Sampling pipe / Detector

The SecuriRAS SEC-ASD-531 aspirating smoke detector is designed for smaller monitoring areas and for the easiest possible handling. The SEC-ASD-531 is equipped with a highly sensitive smoke sensor SSD 31 using a single sampling pipe network. The housing provides the option for two expansion modules. Commissioning and configuration is done directly on the device without any software tool. For planning the ASD PipeFlow software allows an optimized design of any installation.

### Technical data

Mains voltage:	14 to 30 V DC
Ambient temperature:	-10 °C to + 55 °C
Protection class:	IP 54
Dimensions (H x W x D):	195 x 290 x 140 mm
Case cover material:	ABS-Blend, UL 94-V0
Case Colour:	Grey
Weight:	1,95 kg
Standards:	AS 7240.20-2012, EN 54-20 Class A, B and C, EN 54-27 UL 268, FM 3230
Maximum sampling pipe length:	75 metres
Monitoring area:	720 m2
Application:	Single IT racks, small tele-communications containers, elevator shafts, clean rooms, false ceilings etc.

## Aspirating Smoke Detector



**SEC-ASD-532** 1 Sampling pipe / Detector, 1 Smoke level display

The SecuriRAS SEC-ASD-532 aspirating smoke detector is designed for small to midsize monitoring areas. The SEC-ASD-532 base unit is provided for a highly sensitive smoke sensor SSD 532 (to be ordered separately) for a single sampling pipe network. The measured smoke level is indicated on a bar graph display. The housing provides the option for two expansion modules. Commissioning and configuration is done either directly on the device or via the ASD Config software tool. For planning the ASD PipeFlow software allows an optimized design of any installation.

### Technical data

Mains voltage:	14 to 30 V DC
Ambient temperature:	-20 °C to + 60 °C
Protection class:	IP 54
Dimensions (H x W x D):	195 x 290 x 140 mm
Case cover material:	ABS-Blend, UL 94-V0
Case Colour:	Grey
Weight:	1,7 kg
Standards:	AS 7240.20-2012, EN 54-20 Class A, B and C, EN 54-27
Maximum sampling pipe length:	120 metres
Monitoring area:	1280 m2
Application:	Elevator shafts, prison cells, clean rooms, laboratories, IT racks, tele-communications, facilities etc.

## Aspirating Smoke Detector



**SEC-ASD-535-1**



**SEC-ASD-535-2**



**SEC-ASD-535-3**



**SEC-ASD-535-4**

- SEC-ASD-535-1** 1 Sampling pipe / No Display / 1 Zone
- SEC-ASD-535-2** 2 Sampling pipes / No Display / 2 Zones
- SEC-ASD-535-3** 1 Sampling pipe / Display / 1 Zone
- SEC-ASD-535-4** 2 Sampling pipes / Display / 2 Zones

The SecuriRAS SEC-ASD-535 aspirating smoke detector is designed for universal applications mainly for midsize to large monitoring areas. The SEC-ASD-535 base units provide space for 1 or 2 highly sensitive smoke sensors SEC-SSD-535 (to be ordered separately) for 1 or 2 sampling pipe networks. The measured smoke level can be indicated on a bar graph display (models -3 and -4). The housing provides the option for four expansion modules. Commissioning and configuration is done either directly on the device or via the ASD Config software tool. For planning the ASD PipeFlow software allows an optimized design of any installation.

### Technical data

Mains voltage:	10.5 to 30 V DC
Ambient temperature:	-30 °C to + 60 °C
Protection class:	IP 54
Dimensions (H x W x D):	397 x 265 x 148 mm
Case cover material:	ABS-Blend, UL 94-V0
Case Colour:	Grey
Weight:	3,85 kg
Standards:	AS 7240.20-2012, EN 54-20 Class A, B and C
VdS-Approval:	G 208154
Noise level:	32 dBA: extremely low noise levels
Maximum sampling pipe length:	2 x 300 metres
Monitoring area:	5760 m2
Application:	High-bay and deep-freeze warehouse, large data centres, historic buildings, large/high halls etc.



## Expansion Modules

### Relay I/F module for SEC-ASD-535

**SEC-RIM-35** 5 relays with changeover contacts  
The RIM 35 brings five (5) additional relay outputs to your SEC-ASD-535. Expansion limit is two (2) RIM 35 / 10 relays. Each relay can be assigned to any ASD event by programming with the ASD Config software. The module comes with mounting brackets, screws and ribbon cable.



### Relay I/F module for SEC-ASD-531 and SEC-ASD-532

**SEC-RIM-36**  
The RIM 36 brings five (5) additional relay outputs to your Special Fire Detector (except SEC-ASD-535). Expansion limit is two (2) RIM 35 / 10 relays. Each relay can be assigned to any ASD event by programming with the SEC-ASD Config software. The module comes with mounting brackets, screws and ribbon cable.



### Memory card module for SEC-ASD-535

**SEC-MCM-35**  
This Memory Card Module lets you trace up to 16 Million events and stores analogue values like smoke concentration and airflow of at least 83 days depending on the log interval. The module comes with mounting brackets, screws and ribbon cables and SD-Industrial memory card.



### SD-Card Industrial 2GB

**SEC-SD-Industrial**  
SD memory card (industrial) 2GB to use with MCM 35 or directly on-board in SEC-ASD-531 (AMB 31) and SEC-ASD-532 (AMB 32).



### Serial I/F Module networking for SEC-ASD-532 and SEC-ASD-535

**SEC-SIM-35**  
For the RS 485 networking of up to 250 Special Fire Detectors like SEC-ASD-535 or SEC-ASD-532. Using the "ASD Config" configuration software, all SEC-ASDs in the network can be visualised and configured from a PC. The module comes with mounting brackets, screws and ribbon cables.



### Serial Master Module for networking

**SEC-SMM-535**  
This interface connects the RS485 (over SIM 35) networked SEC-ASDs to a USB port of a PC. It is powered by the USB port.



## Smoke Sensors

### Smoke Sensor for SEC-ASD-531

**SEC-SSD-31**  
Alarm Sensitivity range 0.02 – 10% /m  
The smoke sensor SSD 31 is pre-installed in the SEC-ASD-531 and is also available also as replacement part. 3 Pre-signals are set on a fixed percentage of the alarm threshold (30/50/70%).



### Smoke Sensor for SEC-ASD-532

**SEC-SSD-535-3**  
Alarm Sensitivity range 0.02 – 10% /m  
The smoke sensor SSD 532 has to be ordered separately for the SEC-ASD-532. 3 Pre-signals can be set between 10 and 90% of the alarm threshold.



### Smoke Sensor for SEC-ASD-535

**SEC-SSD-535-3**  
Alarm Sensitivity range 0.02 – 10% /m  
The smoke sensor SSD 535 has to be ordered separately for the SEC-ASD-535. Pre-signals can be set between 10 and 90% of the alarm threshold.



### Fastener plate to cover a smoke sensor chamber

**SEC-ASD-535 Verschl**  
The fastener plate is for closing the 2nd channel when it is temporarily not used. (e.g. Conversion of a room)  
The packaging unit of the fastener plate is 50 pieces.



## PVC Fittings

### Compressed-air connection

**SEC-CC-25-PVC**  
Compressed-air connection for tube TU 25 PVC for cleaning the aspirating tube.



### Ventilation duct flange

**SEC-DF-25-PVC**  
Flange for tube TU 25 PVC for the monitoring of ventilation ducts. Per duct 3 pieces of DF 25 PVC are required, 2 for the aspirating stub, 1 for the air recirculation.





**Sampling hole clip**

- SEC-CLIP 2.0 PA 2.0 mm
- SEC-CLIP 2.5 PA 2.5 mm
- SEC-CLIP 3.0 PA 3.0 mm
- SEC-CLIP 3.5 PA 3.5 mm
- SEC-CLIP 4.0 PA 4.0 mm
- SEC-CLIP 4.5 PA 4.5 mm
- SEC-CLIP 5.0 PA 5.0 mm
- SEC-CLIP 5.5 PA 5.5 mm
- SEC-CLIP 6.0 PA 6.0 mm
- SEC-CLIP 6.5 PA 6.5 mm
- SEC-CLIP 7.0 PA 7.0 mm

Sampling hole on aspirating pipe (clip). Available with different diameter according to the project data. Only for PVC and ABS pipes with 25 mm diameter. Packaging unit: 10 pieces



**Maintenance clip**

SEC-Clip-REV PA  
Clip without hole for revision purpose. Packaging unit: 10 pieces



**Sampling -funnel**

SEC-SF-ABS  
Sampling-funnel for tubes TU 25 XXX. For sampling points exposed to the high air current like monitoring of server racks or air conditioners.



**Rosette for sampling tube stiff**

SEC-SP-36-PVC  
SEC-SP-36-ABS  
For tubes TU 25 PVC/ABS to create the sampling point type "sampling stiff with rosette". Has to be glued into the tubes TU 25 PVC or TU 25 ABS. Various outer diameters (b) on demand available.



**Sampling point for ceiling duct**

SEC-SP-M20-PVC  
SEC-SP-M20-ABS  
Sampling point for ceiling ducts to connect to flex sampling pipe (FT 21 PA). To connect the flex sampling pipe FT 21 PA. Inclusive self sealing coupling SC 20ST PA.



**Sampling point with heating**

- SEC-HEAT-3.0-PVC red
- SEC-HEAT-3.5-PVC blue
- SEC-HEAT-4.0-PVC green
- SEC-HEAT-4.5-PVC black
- SEC-HEAT-5.0-PVC brown

To install the aspirating pipe in deep-freeze rooms to prevent the freezing of the aspirating holes. HEAT X.X is the relevant diameter for SEC-ASD PipeFlow-calculations (3.0/3.5/4.0/4.5/5.0mm)



**Sampling point for ceiling duct (Set)**

SEC-SP-M20-PVC-Set  
SEC-SP-M20-ABS-Set  
Sampling point for ceiling ducts. Complete set incl. T-Piece, flex sampling pipe and sampling point.



**Sampling point with heating**

- SEC-HEAT-3.0-ABS red
  - SEC-HEAT-3.5-ABS blue
  - SEC-HEAT-4.0-ABS green
  - SEC-HEAT-4.5-ABS black
  - SEC-HEAT-5.0-ABS brown
- Same as HEAT X.X PVC but in ABS.



**Sampling point Capillary (Set)**

SEC-SP-TU6-PVC-Set  
To create the sampling point type "Capillary". Complete capillary tube-set for the installation in sampling pipes TU 25 PVC. Incl. T-piece TP 25 PVC, reduction RE 25-6 PVC and capillary stub 1.5m.



**Heat Resistor**

SEC-Heat-Resistor  
Replacement for the sampling point with heating HEAT X.X PVC/ABS.



**Silicon litz wire**

SEC-SLW-0.5-wt (white)  
SEC-SLW-0.5-bk (black)  
Silicon litz wire 0.5mm<sup>2</sup> to connect the heating resistors in the heating nozzles HEAT X.X PVC/ABS. Order quantity must be a multiple of 100.



**Cable connection fitting**

SEC-CCF-25-PVC  
SEC-CCF-25-ABS  
Cable connection fitting set for T-junctions of the tubes in deep-freeze rooms.



**Wiring connection unit**

SEC-WCU-535  
For the introduction of the supply of the sampling point with heating into the aspirating tube, with internal clamps. For more details please see the guidelines for deep freeze-warehouses.

**NOTE:** A full range of ASD pipes and fitting are available. Refer to page 70.

### Detector Box

#### SEC-REK 511

For the localization of a fire in a separate room, when a single SEC-ASD is monitoring several rooms. To use together with the SSD 515-Xs smoke detector. Has to be installed in every stub, which leads to a single room from the main tube.



### Filter box extra large

#### SEC-FBX-25-PC

Filter box extra large including 2 filter-mats and 1 holder for the filter-mat. Inserted into the sampling pipe before SEC-ASD. To be used in very dusty rooms.



### Scattered light smoke detector for SEC-REK 511

- SEC-SSD-515-1S sensitivity 1.2%/m
- SEC-SSD-515-2S sensitivity 0.6%/m
- SEC-SSD-515-3S sensitivity 0.3%/m



The SSD 515-xS (Scattered Light Smoke Detector) is the smoke sensor for the accessory device SEC-REK 511 (full addressing) for the Aspirating Smoke Detector of the SEC-ASD and RAS product family.

### Filter mat for filter box extra large

#### SEC-Filter-Mat-X

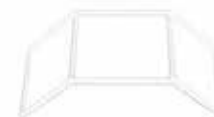
Filter-mat for the filter box extra large. *Packing of one piece.*



### Holder for Filter-Mat X

#### SEC-Holder-Filter-Mat-X

1 holder is included in the FBX 25 PC for the filter-mat at the bottom side.



### Filter mat small for filter box small

#### EC-FBS-25-PC-EFM-5er

Filter-mat for filter box small. *Packaging of 5 pieces*



### Dust filter unit large

#### SEC-DFU-535L

Dust filter unit large. To be used in dusty rooms. Inserted into the sampling pipe before the SEC-ASD.



### Filter box large

#### SEC-FBL-25-PC

Filter box large including filter-mat. Inserted into the sampling pipe before SEC-ASD. To be used in dusty rooms



### Replacement cartridge for DFU 535L

#### SEC-DFU-535L-RC

Replacement cartridge for dust filter unit large.



### Filter mat large for filter box large

#### SEC-FBL-25-PC-EFM-5er

Replacement filter mat for the filter box large. *Packaging of 5 pieces*



### Dust filter unit extra large

#### SEC-DFU-535XL

Dust filter unit extra large. To be used in dusty rooms. Inserted into the sampling pipe before the SEC-ASD.



### Replacement cartridge for DFU 535XL

#### SEC-DFU-535XL-RC

Replacement cartridge for dust filter unit extra large.





**Water retaining box**

SEC-WRB-25-PVC  
SEC-WRB-25-ABS

Water retaining box standard. Used in rooms with high humidity. Inserted into the sampling pipe before DTB 25 PC (when used), any types of dust filters (when used) and SEC-ASD.



**Manual ball valve**

SEC-MV-25-PVC  
SEC-MV-25-ABS

Manual ball valve for revision and cleaning works with compressed air.



**Detonation flame arrester**

SEC-DFA-25-3

Detonation flame arrester for explosion zones. Equipment category IIC. 2 pieces are needed per sampling tube. For more details see the technical documentation.



**Detonation flame arrester**

SEC-DFA-25-2

Same as DFA 25-3 but equipment category IIB.



**Detonation flame arrester**

SEC-DFA-25-1

Same as DFA 25-3 but equipment category IIA.



**Noise reduction housing**

**SEC-Insulation-housing**

The noise insulation housing is used as an accessory part for the aspirating smoke detector ASD 535 in areas where a low level of noise is required. If the ventilator noise from the aspirating smoke detector is found to be disruptive and changing the location of the evaluation unit is not possible, the aspirating smoke detector can be integrated into a noise insulation housing.



**Additional housing for SecuriRAS SEC-ASD-535**

**SEC-ASD-Housing-Ex**

The additional housing is designed for the integration of an aspirating smoke detector SEC-ASD-535. The additional housing should be used as additional personal protection in explosive areas. If there is danger of operations related damage (e.g. lift truck operations) to the aspirating smoke detector, the additional housing can serve as a mechanical protection measure.



**Air cooler and water separator**

SEC-LK-35-PVC

SEC-LK-35-ABS

Is used as an air cooler when the sampling pipe is in a room >60°C. Can also be used as a water separator in rooms with high amount of air humidity and / or condensing water because of temperature differences.

For more details see the technical documentation.

**ENGINEERING & CONFIGURATION TOOLS**

**SEC-ASD planning and calculation software**

SEC-ASD-PipeFlow

Planning and calculation software for planning symmetric and asymmetric sampling pipe topologies.

(Subject to licence)



**SEC-ASD configuration tool license with USB Dongle**

SEC-D&PL\_ASD-Conf\_N Dongle & Partner License ASD Config Networking



**SEC-ASD configuration tool license with USB Dongle**

SEC-D&PL\_ASD-Conf Dongle & Partner License ASD Config



**USB 2.0 cable for connection between SEC-ASD-535 and PC**

SEC-KAB-USB-45

USB 2.0 cable for connection between SEC-ASD-535 and PC for commissioning and maintenance via ASD Config



**Main board for SEC-ASD-531**

**SEC-AMB-31**

Repair exchange for the SEC-ASD-531



**Main board for SEC-ASD-532**

**SEC-AMB-32**

Repair exchange for the SEC-ASD-532



**Main board for SEC-ASD-535-1 and -3**

**SEC-AMB-35-1**

Repair exchange for the SEC-ASD-535-1 and -3



**Main board for SEC-ASD-535-2 and -4**

**SEC-AMB-35-2**

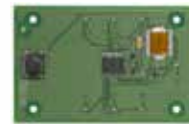
Repair exchange for the SEC-ASD-535-2 and -4



**Basic control board for standard display of SEC-ASD-535-1 and -2**

**SEC-BCB-35**

Repair exchange for the standard display unit (without smoke level display)



**Basic control board for advanced display of SEC-ASD-535-3 and -4**

**SEC-ACB-35**

Repair exchange for the advance display unit (with smoke level display)



**Air flow sensor for SEC-ASD-531 and SEC-ASD-532**

**SEC-AFS-32**

Repair exchange for air flow sensor for SEC-ASD-531 / 532 incl. connection wire.



**Air flow sensor for SEC-ASD-535**

**SEC-AFS-35**

Repair exchange for air flow sensor for SEC-ASD-535 incl. connection wire.



**Aspirating fan unit for SEC-ASD-531 and SEC-ASD-532**

**SEC-AFU-32**

Repair exchange for the aspirating fan unit complete for SEC-ASD-531 / 532.



**Aspirating fan unit for SEC-ASD-535**

**SEC-AFU-35**

Repair exchange for the aspirating fan unit complete for SEC-ASD-535.



**Rotary Snap Lock for SEC-ASD-531/532/535**

**SEC-RSL-35**

Repair exchange for the SEC-ASD-531/532/535 housing.



**Insect protection screen for SEC-ASD-531/532/535**

**SEC-IPS-35**

Insect protection screen for the SEC-ASD-531/532/535 housing.





**ASD-CSC**

CAPILLARY TUBE CONNECTOR



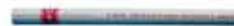
**ASD-CT**

CAPILLARY TUBE FOR SAMPLE POINTS



**ASD-P**

4 METRE PIPE (25MM)



**ASD-J**

E2 INTO 1 PIPE JOINER (PARALLEL PIPES)



**ASD-LB**

LONG RADIUS 90° BEND



**ASD-EC**

25MM END CAP



**ASD-PC**

PIPE CLIPS



**ASD-PJ**

STRAIGHT COUPLING



**ASD-T**

SOLID 'T' JUNCTION PIPE



**ASD-TA**

TRUNK ADAPTOR FOR SAMPLE POINTS



**ASD-SP**

SAMPLING POINT



**SEC-POINTLAB**

SAMPLE POINT LABEL RED  
50mm x 50mm



**SEC-POINTDECAL**

SAMPLE POINT DECAL (100 ROLL)



**ASD-SP KIT**

SAMPLE POINT KIT



**BLAZER**



**Product Overview**

- Blazer100 - 1 Pipe
- Blazer200 - 2 Pipe
- Blazer300 - 3 Pipe
- Blazer400 - 4 Pipe

Carrying out maintenance to the piping network of an aspiration system is a labour intensive job, certainly so if this network is poorly accessible. By using The Blazer you simply install the automatic maintenance unit near the detector in the piping network and that is all there is to it.

The **SEC-ADW-535** is an integrated line type heat detector with a response behaviour based on heat differential and/or maximum heat. Thanks to its self-check feature and the periodic automatic test, the SEC-ADW-535 is particularly suitable for use in applications where the legally prescribed functional and maintenance checks cannot be performed due to the given ambient conditions or only with difficulty.

## Line Type Heat Detector



SEC-ADW-535-1

**SEC-ADW-535-1** one sensing tube

**SEC-ADW-535-2** two sensing tubes

The SecuriSens SEC-ADW-535 line-type heat detector combines a proven functional principle with the latest developments in sensor and processor technology.

A sensing tube filled with normal air is installed in the area to be monitored. A fully electronic pressure sensor permanently records the pressure in the sensing tube and compares it with the alarm criteria.

Commissioning and configuration is done either directly on the device or via the comfortable ADW Config software tool for a perfect adaptation to existing environmental conditions. For planning the ADW HeatCalc software allows an optimized design of any installation.



SEC-ADW-535-2

### Technical data

Operating voltage:	9 to 30 VDC
Length of sensing tube:	200 m
Relay contact:	50 VDC/1A (UL 30 VDC)
Operating temperature evaluation unit:	-30°C to +70°C
Operating temperature sensing tube*:	-40 °C to +180 °C
Dimensions (HxWxD):	160.5 x 250.5 x 134 mm
Protection class of case:	IP65
Case Color:	Light grey (RAL 280 70 05) Charcoal (RAL 300 20 05)
Weight (1 / 2 sensing tube):	1.5 kg / 1.97 kg
Standards:	EN 54-22 Class A11, A21, BI ... GI UL, FM
VdS-Approval:	G 214076
ActivFire Approved:	AFP-3328

\*: Lower or higher temperature ranges are also possible subject to consultation with the manufacturer

## Line Type Heat Detector ATEX



SEC-ADW-535-1HDx

**SEC-ADW-535-1HDx** one sensing tube

**SEC-ADW-535-2HDx** two sensing tubes

The SecuriSens SEC-ADW-535 line-type heat detector combines a proven functional principle with the latest developments in sensor and processor technology.

A sensing tube filled with normal air is installed in the area to be monitored. A fully electronic pressure sensor permanently records the pressure in the sensing tube and compares it with the alarm criteria.

Commissioning and configuration is done either directly on the device or via the comfortable ADW Config software tool for a perfect adaptation to existing environmental conditions. For planning the ADW HeatCalc software allows an optimized design of any installation.

The HDx versions of the control unit are for installation inside Ex zones 2 and 22 and very harsh ambient conditions.



SEC-ADW-535-2HDx

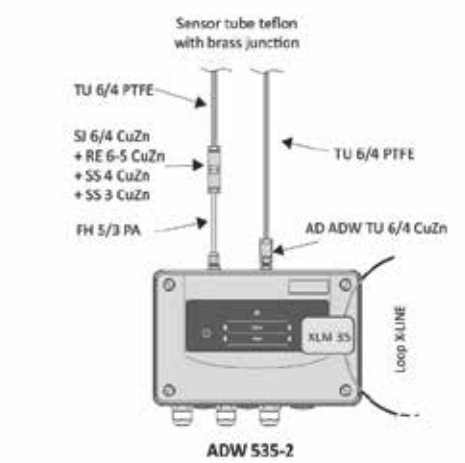
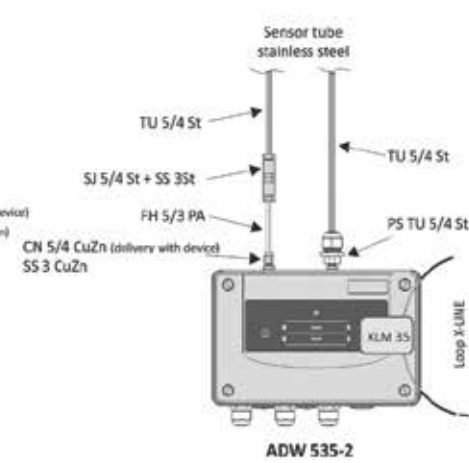
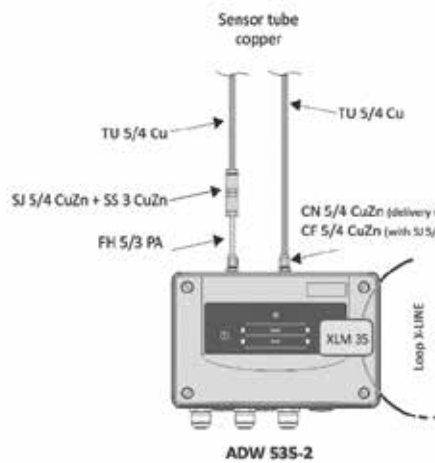
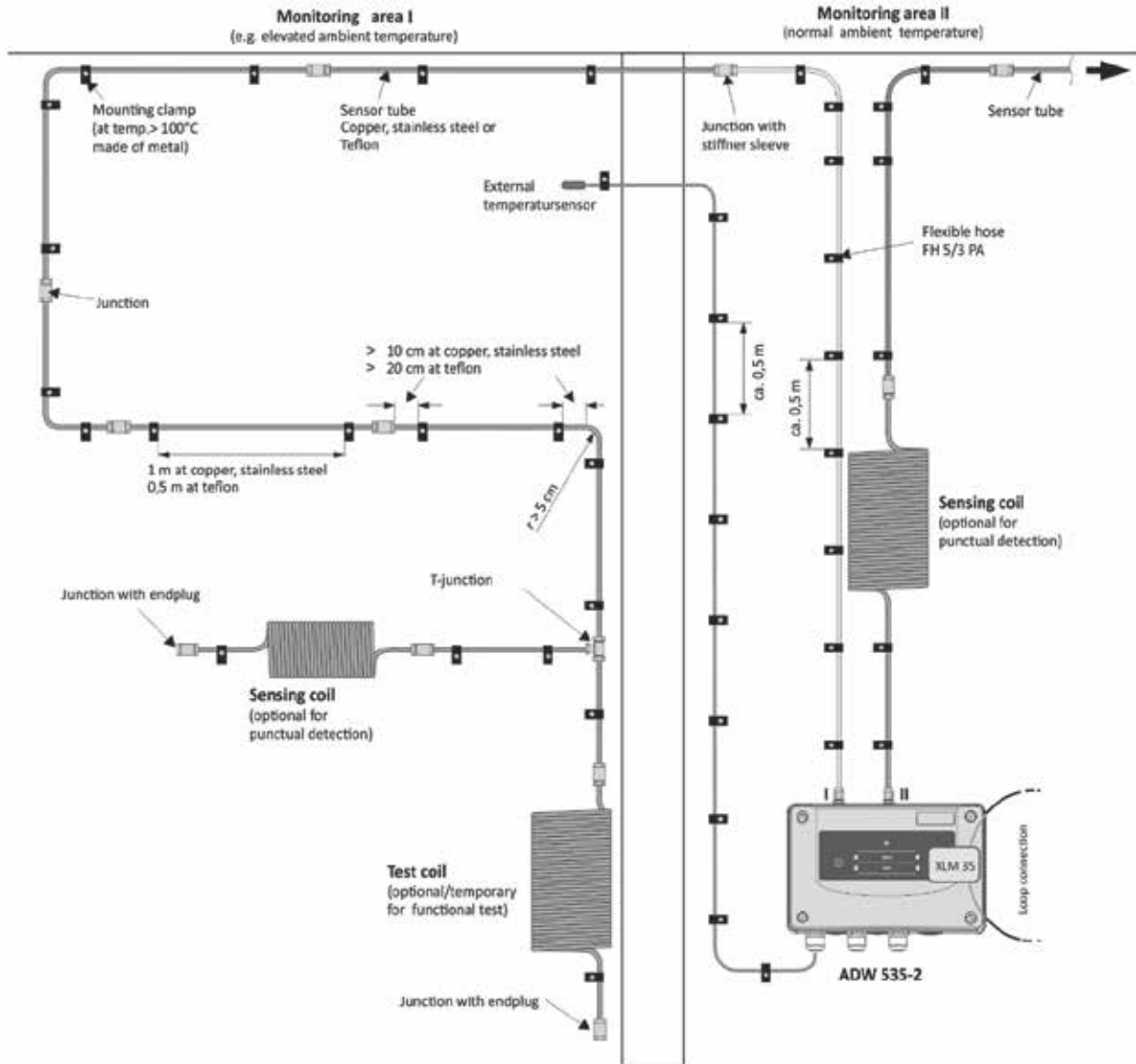
### Technical data

Operating voltage:	9 to 30 VDC
Length of sensing tube:	115 m (NFPA 72 200 m)
Relay contact:	50 VDC/1A (UL 30 VDC)
Operating temperature evaluation unit:	-30°C to +70°C
Operating temperature sensor tube*:	-40°C to +180°C
Dimensions (HxWxD):	260 x 160 x 134 mm
Protection class of case:	IP66
Case Color:	graphite black (RAL 9011) platinum grey (RAL 7036)
Weight:	
ADW 535-1HDx	3,05 kg
ADW 535-2HDx	3,42 kg
Standards:	EN 54-22 Class A11, A21, BI ... GI UL, FM
VdS-Approval:	G 214076
ATEX-Approval:	II 3G Ex nA nC IIC T4 Gc II 3D Ex tc IIIC T135°C Dc
ActivFire Approved:	AFP-3328

\*: Lower or higher temperature ranges are also possible subject to consultation with the manufacturer

Overview of the linear heat detector SEC-ADW-535

The illustrated components are examples



## Line Type Heat Detector ATEX Zone 1

### SEC-ADW-535-1-ATEX


Line-type heat detector with one sensor for the use in explosive atmosphere of the zone 1. (Category 2G) according to directive 94/9/EG (ATEX 100a).

Approval according to EN 54-22, heat sensor response class A1I, A2I, BI ... GI

- Max. monitoring area = 800 m<sup>2</sup>
- Max. sensor tube length per connection channel =115 m (Copper and stainless steel sensor tube)
- Max. sensor tube length per connection channel =105 m (Teflon sensor tube)
- One stub line per sensor tube possible
- Service PC interface (Ethernet)
- Surface-mounted housing



#### Technical data

Operating voltage:	9 to 30 VDC
Power consumption quiescent:	35 mA at 24 VDC
Operating temperature evaluation unit:	-20°C to +40°C
Operating temperature sensor tube:	-40°C to +800°C
Dimensions (HxWxD):	679 x 325 x 190 mm
Protection class of case:	IP65
Case Color:	umbra grey (RAL 7022) pebble grey (RAL 7032)
Weight:	27 kg
Type of protection:	II G 2 Ex d e IIC T6
ATEX-Approval:	
Case:	PTB 99 ATEX 1057
Detonation guard:	IBExU 06 ATEX 2003 X

## External Temperature Sensor

### SEC-ART-535-10

For the temperature compensation the external temperature sensor SEC-ART-535 is to be used and placed in the monitored area. For temperature ranges and for EX applications a special version is to be used. (SC-ART-535-30 Ex 400°C)



#### Technical data

Temperature range:	- 50°C to 200°C
Length cable:	10 m

## Loop I/F module for Special Fire Detectors

### SEC-XLM-35

With the installation of an SEC-XLM-35, special fire detectors like ADWs can be ideally connected via the addressable loop to the SecuriFire fire alarm systems. The normative alarm transmission to the superordinate FACP is then accomplished via the SEC-XLM-35. The module comes with mounting brackets, screws and ribbon cable.

The XLM 35 module allows also central configuration of special fire detectors with the Config Over Line function.



#### Technical data

Operating Voltage from AMB 35:	5 VDC
Maximum power consumption :	20 mA
Dimensions (HxWxD):	95 x 58 x 17 mm
Weight:	62 g

## Relay I/F module for Special Fire Detectors

### SEC-RIM-36

The SEC-RIM-36 brings five (5) additional relay outputs to your Special Fire Detector.

Expansion limit is two (2) SEC-RIM 36 / 10 relays. Each relay can be assigned to any ADW event by programming with the ADW Config software. The module comes with mounting brackets, screws and ribbon cable.



#### Technical data

Max. relay output load:	50 / 1 / 30 VDC/AW
Dimensions (HxWxD):	95 x 58 x 17mm
Weight:	85 g

## Serial I/F Module networking of Special Fire Detectors

### SEC-SIM-35

For the RS 485 networking of up to 250 Special Fire Detectors like SEC-ADW-535.

Using the "ADW Config" configuration software, all ADWs in the network can be visualised and configured from a PC. The module comes with mounting brackets, screws and ribbon cables.



#### Technical data

Dimensions (HxWxD):	95 x 58 x 17 mm
Weight:	56 g

## Serial Master Module for networking of Special Fire Detectors

### SEC-SMM-535

This interface connects the RS485 (over SEC-SIM-35) networked ADWs to a USB port of a PC. It is powered by the USB port.



#### Technical data

Power Supply:	USB powered / 5 VDC
Operating temperature:	-30°C to +60°C
Dimensions (HxWxD):	82 x 89 x 55 mm
Weight:	165 g

	Copper tube	Stainless steel tube	Teflon tube	Flexible polyamide hose
<b>Application areas</b>	Standard environments	High temperature environments	Standard and aggressive environments	For the flexible connection between ADW and copper/stainless steel tube
<b>Properties</b>	Temperature resistance + + Chemical resistance – – Corrosion resistance +	Temperature resistance + + + Chemical resistance – Corrosion resistance + +	Temperature resistance + + Chemical resistance + + + Corrosion resistance + + +	Temperature resistance + Chemical resistance + + Corrosion resistance + +
<b>Application areas</b>	standard industrial applications Car park halls Loading platforms Road tunnels railway tunnels underground railway tunnels	Fertiliser industry Rubber industry Plastics processing industry Food processing industry Textile industry cellulose industry	Standard industrial applications Bioengineering Chemical industry Semiconductor industry Laboratory Engineering Medical engineering Pharmaceutical industry	As supply line to the detection area or for the thermal decoupling
<b>Diameter outside (mm)</b>	5	5	6	5
<b>Diameter inside (mm)</b>	4	4	4	3
<b>Tube length (depending on application)</b>	10 to 115 m (200 m not acc. EN)	10 to 115 m (200 m not acc. EN)	10 to 105 m (150 m not acc. EN)	0 to 20 m
<b>Max. distance between pipe clamps</b>	0,8 m to 1,2 m	0,8 m to 1,2 m	0,5 m	0,5 m
<b>Distance between pipe clamps and Screw-junction piece</b>	≥ 10 cm each side	≥ 10 cm each side	≥ 20 cm each side	≥ 20 cm each side
<b>Operating temperature</b>	-40°C to +180°C	-40°C to +300°C (higher temperatures on demand)	-40°C to + 260°C (PVDF -40 to +150°C)	-40°C to +100°C
<b>Applicable in heat classes</b>	A1-G	A1-G	A1, A2 and C	A1-G
<b>Material</b>	Cu-DHP R250	Stainless steel (1.4571)	Polytetrafluorethylen (PTFE)	Polyamide PA 12
<b>Screw junction piece</b>	Brass	Stainless steel (1.4571)	PVDF or Brass	-
<b>End plug</b>	Brass	Stainless steel (1.4571)	PVDF or Brass	-
<b>Stiffener sleeve</b>	-	-	Brass when used with Brass-junctions	Brass or Stainless steel (1.4571)
<b>Test coil</b>	Cu-DHP R250	Stainless steel (1.4571)	-	-
<b>Pipe clamp</b>	Polyamide (max. 85°C) Polypropylen (max. 100°C) or Brass	Polyamide (max. 85°C) Polypropylen (max. 100°C) or Stainless steel (1.4571)	Polyamide (max. 85°C) Polypropylen (max. 100°C) Brass or Stainless steel (1.4571)	Polyamide (max. 85°C) Polypropylen (max. 100°C)
<b>Sensing tube connection ADW (standard delivery brass)</b>	Brass	Brass (First part of tube Polyamide)	Brass; special adapter available AD ADW TU 6/4	Brass
<b>Necessary accessories</b>				
<b>Connection set</b>	-	-	1	-
<b>Screw-junction piece</b>	- Same number as pipes - Per test coil +2 (If test coil connected at ADW +1)	- Same number as pipes - Per test coil +2 (If test coil connected at ADW +1)	- Same number as hoses -1	-1 per hose (If test coil connected at ADW +1)
<b>End plug</b>	1 per sensing tube	1 per sensing tube	1 per sensing tube	-
<b>Stiffener sleeve</b>	-	-	2 per tube part (only for brass junctions)	2 per hose part
<b>Pipe clamps</b>	Ca. 1 clamp per m depending on clamp distance (0.8-1.2m)	1,25 clamps per m depending on clamp distance (0.8-1.2m)	2 clamps per m	Ca. 1 clamp per m depending on clamp distance (0.8-1.2m)

## Software

ADW HeatCalc	Type	Art.Nr.
ADW calculation & planning tool, Configuration and test software. Download from the Storebox / Partnerdata.	ADW-HeatCalc	11-1300005-01-01
Dongle for Securiton Applications (without license)	Type	Art.Nr.
Dongle for Securiton Applications (without license)	ULM-DP	VE100450
ADW Dongle (User Level, Limited access rights)	Type	Art.Nr.
ADW Config Basic License	LIC ADW	VE100418
ADW Config Programming full access (only in combination with Basic License ADW available)	LIC ADW Prog	VE100419
ADW Config Networking to configure and visualize	LIC ADW Net	VE100420



Standard sensing tube for applications with normal operating temperatures.  
 -40°C – +180°C (When used at 85°C and above, use metallic pipe clamps).



### Sensing tube copper 5/4mm

**SEC-TU 5-4 Cu**  
 Tube to create the sensor part (straight piece 5.5m)

<i>Technical data</i>	
Diameter outside:	5 mm
Diameter inside:	4 mm
Length:	5,5 m
Material:	copper



### Sensing tube copper 5/4mm

**SEC-TU 5-4 Cu 50**  
 Tube to create the sensor part, 1 pcs. (coil 50m)

<i>Technical data</i>	
Diameter outside:	5 mm
Diameter inside:	4 mm
Length:	50 m
Material:	copper



### Sensing tube copper 5/4mm

**SEC-SJ 5-4 CuZn**  
 Screw junction straight for SEC-TU 5/4 Cu

<i>Technical data</i>	
For pipe diameter:	5 mm
Material:	brass
Packaging unit:	10 pieces



### Sensing tube copper 5/4mm

**SEC-EP 5-4 CuZn**  
 End plug for SEC-SJ 5/4 CuZn

<i>Technical data</i>	
Material:	brass
Packaging unit:	5 pieces



### T-Junction for SEC-TU 5/4 Cu

**SEC-TJ 5-4 CuZn**  
 T-Junction for SEC-TU 5/4 Cu

<i>Technical data</i>	
Material:	brass



### Sensing-Coil of SEC-TU 5/4 Cu 5 m

**SEC-SC 5-4 Cu 5**  
 Sensing coil of SEC-TU 5/4 Cu

<i>Technical data</i>	
Length:	5 m
Material:	copper



### Test-Coil of SEC-TU 5/4 Cu 10 m

**SEC-TC 5-4 Cu 10**  
 Test coil of SEC-TU 5/4 Cu

<i>Technical data</i>	
Length:	10 m
Material:	copper

Sensor tube for applications in corrosive environments and in the food industry for hygienic reasons.  
 -40 – +300°C (when used at 85°C and above, use metal pipe clamps).



**Sensing tube stainless steel 5/4mm**  
**SEC-TU 5-4 St**  
 Tube to create the sensor part (straight piece 6m)

<i>Technical data</i>	
Diameter outside:	5 mm
Diameter inside:	4 mm
Length:	6 m
Material:	stainless steel



**Screw Junction straight for SEC-TU 5/4 St**  
**SEC-SJ 5-4 St**  
 Screw junction straight for SEC-TU 5/4 St

<i>Technical data</i>	
For pipe diameter:	5 mm
Material:	stainless steel



**End plug for SEC-SJ 5/4 St**  
**SEC-EP 5-4 St**  
 End plug for SEC-SJ 5/4 St

<i>Technical data</i>	
Material:	stainless steel



**T-Junction for SEC-TU 5/4 St**  
**SEC-TJ 5-4 St**  
 T-Junction for SEC-TU 5/4 St

<i>Technical data</i>	
Material:	stainless steel



**Protection screw**  
**SEC-PS TU 5-4 St**  
 Protection screw for the direct connection of sensing tube  
 SEC-TU 5/4 St to the SEC-ADW-535 evaluation unit.



**Sensing-Coil of SEC-TU 5/4 St**  
**SEC-SC 5-4 St 5**  
 Sensing coil of SEC-TU 5/4 St

<i>Technical data</i>	
Length:	5 m
Material:	stainless steel



**Test-Coil of SEC-TU 5/4 St**  
**SEC-TC 5-4 St 10**  
 Test coil of SEC-TU 5/4 St

<i>Technical data</i>	
Length:	10 m
Material:	stainless steel

Sensor tube for standard applications and for very corrosive and aggressive environments.  
 -40 – +200°C (when used at more than 85°C, metal pipe clamps and brass screw-junction pieces must be used; if more than 130 C the screw-junction pieces must be outside of the monitored area).  
 When using Teflon sensing tubes, only classes A11 to B1 are possible according to EN 54-22.



### Sensing tube teflon 6/4mm

#### SEC-TU 6-4 PTFE 50

Tube to create the sensor part.  
 (reel 50m). When used together with metal junctions, an according stiffener sleeve is necessary.

#### Technical data

Diameter outside:	6 mm
Diameter inside:	4 mm
Length:	50 m
Material:	teflon



### Sensing tube teflon 6/4mm

#### SEC-TU 6-4 PTFE 100

Tube to create the sensor part.  
 (reel 100m). When used together with metal junctions, an according stiffener sleeve is necessary.

#### Technical data

Diameter outside:	6 mm
Diameter inside:	4 mm
Length:	100 m
Material:	teflon



### Adapter SEC-ADW-TU 6/4 CuZn

#### SEC-ADW TU 6-4 CuZn

For the connection of a Teflon sensor tube with the ADW detection unit.  
 Including 1 stiffener sleeve SS 4 CuZn.

#### Technical data

Material:	brass
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### Stiffener sleeve for SEC-TU 6/4 PTFE

#### SEC-SS 4 CuZn

Stiffener sleeve for TU 6/4 PTFE

#### Technical data

Material:	brass
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### Screw junction straight PVDF for SEC-TU 6/4 PTFE

#### SEC-SJ 6-4 PVDF

Screw junction straight PVDF for SEC- TU 6/4 PTFE

#### Technical data

For pipe diameter:	6 mm
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### End plug PVDF for SEC-SJ 6/4 PVDF

#### SEC-EP 6-4 PVDF

End plug for SEC-SJ 6/4 PVDF.  
 SEC-SJ 6/4 PVDF is not included and has to be ordered separate.

#### Technical data

Material:	polyvinylidene fluoride
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**T-Junction PVDF for SEC-TU 6/4 PTFE**

**SEC-TJ 6-4 PVDF**

T-Junction for SEC-TU 6/4 PTFE

Technical data

Material: polyvinylidene fluoride



**Reduction compression ferrule for SEC-SJ 6/4 CuZn, SEC-FH 5/3 PA**

**SEC-RE 6-5 CuZn**

Reduction compression ferrule for SEC-FH 5/3 PA. To be used together with SEC-SJ 6/4 CuZn or SEC-TJ 6/4 CuZn.

Technical data

Material: brass



**Adapter-Set PA-Teflon (incl. SJ 6/4 CuZn, SS4 CuZn, SS3 CuZn)**

**SEC-AD 5-6 CuZn-Set**

Adapter set to connect the flexible hose SEC-FH 5/3 PA 25 from the ADW with the teflon sensing tube.

Set includes: SJ 6/4 CuZn, SS4 CuZn, SS3 CuZn

Technical data

Material: brass:



**T-Junction-Set Teflontube (incl. TJ 6/4 CuZn, SS4 CuZn)**

**SEC-TJ 6-4 CuZn-Set**

T-Junction set to connect 3 teflon tubes together.

Set includes: TJ 6/4 CuZn, 3x SS4 CuZn

Technical data

Material: brass



**Screw junction-Set Teflontube (incl. SJ 6/4 CuZn, SS4 CuZn)**

**SEC-SJ 6-4 CuZn-Set**

Screw junction set to connect 2 teflon tubes together.

Set includes: SJ 6/4 CuZn, 2x SS4 CuZn

Technical data

Material: brass



**End plug-Set Teflontube (incl. SJ 6/4 CuZn, EP 6/4 CuZn, SS4 CuZn)**

**SEC-TS 6-4 CuZn-Set**

End plug set to close the end of the Teflontube.

Set includes: SJ 6/4 CuZn, EP 6/4 CuZn, SS4 CuZn

Technical data

Material: brass



**Sensing-Coil 6/4PTFE with mounting clip**

**SEC-SC 6-4 PTFE 5 Set**

For installation in sensing tubes for the monitoring of critical sources (facility or object monitoring) or for easy installation of at least 10 m sensor tubes in small rooms. Mounting material for the sensing coil is included (material polyamide) Support anchor, plate and bracket.

Technical data

Length: 5 m

Material: teflon



### Flexible Hose Polyamide 5/3mm

**SEC-FH 5-3 PA 25**

Flexible Hose to connect the ADW detection unit with the sensor part (Cu, St, PTFE) of the sensing tube. (reel 25m). To be used together with stiffener sleeve SEC-SS 3 CuZn or SEC-SS 3 St.

#### Technical data

Diameter outside:	5 mm
Diameter inside:	3 mm
Length:	25 m
Material:	polyamide



### Stiffener sleeve brass for FH 5/3 PA

**SEC-SS 3 CuZn**

Stiffener sleeve for SEC-FH 5-3 PA

#### Technical data

Material:	brass
Packaging unit:	10 pieces



### Stiffener sleeve stainless steel for FH 5/3 PA

**SEC-SS 3 St**

Stiffener sleeve for FH 5/3 PA

#### Technical data

Material:	stainless steel
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## INSTALLATION MATERIAL



### Pipe clamp

**SEC-PC 5-6 PA**

To mount the sensing tube.

#### Technical data

For pipe diameter:	5 mm
Temperature range:	-40 to +85°C
Material:	polyamide
Packaging unit:	100 pieces



### Pipe clamp

**SEC-PC 5-6 St**

To mount the sensing tube.

#### Technical data

For pipe diameter:	5 mm
Material:	stainless steel
Packaging unit:	10 pieces



### Pipe clamp

**SEC-PC 5-6 StG**

To mount the sensing tube. With brass stiffener. (delivery unit 10 Pipe clamps and 10 brass stiffener)

#### Technical data

For pipe diameter:	5 mm
Material:	brass
Packaging unit:	10 pieces



### ADW Sensing tube cleaning and maintenance set

**SEC-ACMS 535**

ADW Sensing tube cleaning and maintenance set.





**SensTube Teflon 6/4mm Ex**

**SEC-TU 6-4 PTFE-Ex**

Tube to create the sensor part for Ex applications.  
Without connection and termination parts.  
(price per 100)

*Technical data*

Diameter outside:	6 mm
Diameter inside:	4 mm
Length:	100 m
Explosion group:	IIA
Material:	Teflon



**Grounding Clamp**

**SEC-GC 5-6 Ex**

Grounding Clamp with ATEX certification.  
To ground the sensing tube in Ex-zone applications.

*Technical data*

Material:	Copper tin-plated
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**External Temperature Sensor for EX-zones**

**SEC-ART 535-30Ex 1**

**SEC-ART 535-30Ex 21**

The ART 535 external temperature sensor is to be used in the following cases:

- Applications compliant with EN 54-22, Class CI to GI
- Always (for all response grades), as soon as the application temperature in the monitored area deviates more than 20°C from the temperature of the evaluation unit.

*Technical data*

Diameter of sensor:	6 mm
Operating temperature	-50°C to +400°C
Cable length:	30 m
Protection type:	IP65
ATEX Approval:	
ART 535-30Ex 1:	Zone 1, 2 (II 2G Ex em T6)
ART 535-30Ex 21:	
Zone 21, 22 (II 2D Ex mbD A21 IP65 80°C)	
Material:	stainless steel

**SPARE PARTS**



**Main Board for ADW 535**

**SEC-LMB 35**

Repair exchange for the SEC-ADW 535-1 and -2

*Technical data*

Operating Voltage:	3.3 to 6 VDC
Dimensions (HxWxD):	148 x 120 x 15 mm
Weight:	85 g



**Extension Board for ADW 535**

**SEC-LEB 35**

Repair exchange for the second Sensor tube of SEC-ADW 535-2

*Technical data*

Dimensions (HxWxD):	75 x 54 x 35 mm
Weight:	39 g



**Supervising Unit for ADW 535**

**SEC-LSU 35**

The LSU 35 consists of a fully electronic differential pressure sensor, a pressure pump and a step motor.



**SD-Card Industrial 2GB**

**SEC-SD-Industrial**

SD memory card (industrial) 2GB for on-board (SEC-LMB 35) use in SEC-ADW 535.



**Lithium battery**

**SEC-BR2032**

Replacement battery for SEC-LMB 35



**M20 Cable Screw Union**

**SEC-M20 VE10**

Cable screw union for SEC-ASD 531/532/535

*Technical data*

Packaging unit:	10 pieces
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**M25 Cable Screw Union**

**SEC-M25 VE10**

Cable screw union for SEC-ASD 531/532/535

*Technical data*

Packaging unit:	10 pieces
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## Product Overview

The **Marine & Offshore Syncro ASM** is a versatile range of open protocol fire alarm control panels compatible with existing Syncro fire alarm panel technology.

Hosting up to 127 Hochiki fire detection devices and modules per loop, Syncro ASM uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all small to medium sized vessels, Syncro ASM control panels can be expanded and networked to become part of much larger systems if the need arises, therefore providing a future proof solution for any vessel.

With its large LCD display and ergonomic button and indicator layout, the Syncro ASM control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

1 Loop panel : Syncro ASM-1M2

2 Loop panel: Syncro ASM-2M2

## Standard 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 Syncro AS range
- Stores 1000 last events in event log
- Compact, stylish enclosure
- Installer friendly, removable equipment chassis
- Different language and character set variants available
- Fully EN54-2 and EN54-4 compliant
- S737Vogage data recorder (VDR) - Interface available on request

## SYNCRO ASM-1M2 SYNCRO ASM-2M2



## Product Overview

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.

## Standard Features

- Removable, High Performance chamber
- Twin alarm LEDs allow 360° viewing
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- Pulsing/non-pulsing controlled from panel\*
- Approved to MED by GL
- \* Please ensure control panel compatibility

## ALG-ENM



## Product Overview

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.

## Standard Features

- User selectable modes
- Incorporates Fixed Temperature and Rate of Rise Heat elements
- Twin alarm LEDs allow 360° viewing
- Pulsing/non-pulsing controlled from panel\*
- Electronically Addressed
- Approved by LPCB to Classes A, B & C
- Approved to MED by GL
- \* Please ensure control panel compatibility

## ACB-EM



## YBN-R/3M



### Product Overview

**A Marine Approved Common Mounting Base** which is fully compatible with Hochiki's Analogue 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.

### Standard Features

- Electronics free
- Supports ESP Marine Approved Sensors
- Stainless steel contacts
- Takes 2.5mm<sup>2</sup> cables
- Slim profile – only 8mm
- Rugged wiring contacts
- Facility for remote indicator
- Quick Connection via square cable clamps
- Approved to MED by GL

## YBO-R/SCIM



### Product Overview

**A Marine Approved Loop Isolator Base** which is fully compatible with Hochiki's Analogue Range of Marine Approved Sensors.

The unit incorporates an amber LED to show when it is isolating a section of the loop.

### Standard Features

- Detects short circuits on loop
- Status LED
- Connection of up to 127 per loop
- Supports Marine Approved Sensors
- Quick connection via square cable clamps
- Approved to MED by GL

## CHQ-DIM/M (SCI)



### Product Overview

**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.

### Standard Features

- 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

## CHQ-DRC/M (SCI)



### Product Overview

**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.

### Standard Features

- Loop powered
- Single loop address
- Two independently controlled changeover relays
- Relays contact rated at 30Vd.c. at 1 amp
- Auxiliary monitored input
- Features an integral short-circuit isolator
- Approved to MED by GL

## Product Overview

**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. (SCI)

## Standard Features

- Single loop address
- Two independent sounder circuits
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1 amp
- Outputs are synchronised and can be driven continuously or intermittently
- 24Vd.c. auxiliary power required
- Features an integral short-circuit isolator

## CHQ-DSC/M (SCI)



## Product Overview

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

## Standard Features

- 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

## CHQ-SZM/M (SCI)



## Product Overview

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

Note – requires SR-BACKBOX if surface mounted (sold separately)

## Standard Features

- Single loop address
- Two independent sounder circuits
- Each circuit fully monitored for Open and Short Circuit faults
- Each alarm circuit fused at 1 amp
- Outputs are synchronised and can be driven continuously or intermittently
- 24Vd.c. auxiliary power required
- Features an integral short-circuit isolator

## HCP-EM



## Product Overview

**A Marine Approved Conventional Photoelectric Smoke Detector, (SLR-E3NM)** which is fully compatible with the majority of existing Marine Conventional systems and incorporates a remote indicator output.

## Standard Features

- High Performance chamber
- Remote indicator output
- Wide voltage range (9.5 ~ 30Vd.c.)
- Low profile design with one piece outer cover
- Twin fire LEDs allow 360° viewing
- One master base
- Approved by LPCB, LR and GL

## SLR-E3M



## Product Overview

**A Marine Approved Conventional Infra Red Flame Detector** A Marine approved conventional Infra-Red Flame detector designed for internal use to detect large flames. The detection zone is a 90° cone and the detection range is up to and including 25 m.

## Standard Features

- Class 1 performance as defined in BS EN54-10:2002 (range up to 25 m)
- Single IR technology
- Robust and slim design
- Low current consumption
- Twin LEDs for 360 degree viewing
- Approved to MED by GL

## DRD-EM



## DCD-AE3M



### Product Overview

**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.

### Standard Features

- Electronic linear heat detection
- Remote indicator output
- Wide voltage range (9.5 ~ 30Vd.c.)
- Twin fire LEDs allow 360° viewing
- Approved by LPCB, LR and GL

## DCD-CE3M



### Product Overview

**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.

### Standard Features

- Electronic linear heat detection
- Remote indicator output
- Wide voltage range (9.5 ~ 30Vd.c.)
- Twin fire LEDs allow 360° viewing
- Approved by LPCB, LR and GL

## YBN-R-6M



### Product Overview

**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.

### Standard Features

- Integral remote indicator output
- Low profile, only 8mm
- Rugged design
- Electronics free
- Quick connections via square cable clamps
- Accepts 2.5mm<sup>2</sup> cables
- Bayonet slot, low insertion force for detectors
- Approved by LR and GL

## MBB-1



### Product Overview

**A Marine Back Box** providing a splash proof and secure fixing for the Hochiki Analogue and Conventional 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.

### Standard Features

- 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 by LR and GL
- Non-marine use version available (SBB-1)



## Product Overview

**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.

## Standard Features

- High Performance chamber
- Twin fire LEDs allow 360° viewing
- Supported by a range of barriers
- Remote indicator output
- IECEx 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 BASEEFA

## SLR-E-IS(WHT)

### SLR-E-IS



## Product Overview

**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.

## Standard Features

- Twin fire LEDs allow 360° viewing
- Electronics free mounting base
- Remote indicator output
- I ECEX 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 BASEEFA

## DCD-1E-IS



## Product Overview

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

## Standard Features

- Low Profile, only 8mm
- Rugged design
- Dedicated cable screen terminal
- Accepts from 1 to 2.5mm<sup>2</sup> cables
- Quick connection via square cable clamps
- Electronics free

## YBN-R/4 (IS)

### YBN-R/4 (IS)(WHT)



## Product Overview

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

## Standard Features

- Supports either a 'Frangible Glass' element or a 'Non-Frangible Plastic' element
- Terminals can accommodate up to a 2.5mm<sup>2</sup> solid conductor
- Approved to EN54 part 12
- Rugged design
- ATEX Classification to II 1G EEx ia IIC T4

## CCP-E-IS



## CCP-W-IS



## Product Overview

**Intrinsically Safe Weather Proof Call Point** designed for use in hazardous areas and based upon the industry standard KAC world series housing.

## Standard Features

- Supports either a 'Frangible Glass' element or a 'Non Frangible Plastic' element
- Terminals can accommodate up to a 2.5mm<sup>2</sup> solid conductor
- Approved to EN54 part 12
- Rugged design
- ATEX Classification to II 1G EEx ia IIC T4
- \* Ip66 rated

## CHQ-DZM-IS CHQ-DZM-IS/DIN



## Product Overview

**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, 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.

## Standard Features

- Single loop address
- Supports two independent zones of Hochiki I.S. Conventional Detectors
- Both zones fully monitored for short/open-circuit
- Requires an auxiliary 24Vd.c. supply
- DIN rail version available
- Both models feature an integral short-circuit isolator

## CHQ-ISM



## Product Overview

This **Sounder Control Module interfaces** between the Hochiki Analogue system via a CHQ-DSC or conventional sounder O/P's and the intrinsically safe sounder/beacon units via an intrinsically safe barrier. The module provides line monitoring for open or short circuits on the wiring connected to both the safe and hazardous areas.

## Standard Features

- Provides dual sounder circuits
- Provides fault-monitored input
- Interfaces between loop and I.S. sounders/beacons
- Fully monitored for short-circuits
- Requires 24 Vdc external power supply
- Also available as a DIN module

## Z7787 Z7728



## Product Overview

**A Zener-Diode Barrier which is intrinsically safe and zonepowered**, for use in conventional fire detection systems.

## Standard Features

- Simple installation onto standard DIN 'top-hat' railing
- Removable colour-coded terminals for easy connection
- Can accommodate conductors up to 2.5mm<sup>2</sup>
- MTL7728+ Supports up to two zones of I.S. products

## KFDO-CS-EX2.51P Product Overview



**This Isolated Barrier** is used for intrinsic safety applications. It transfers DC signals from fire alarms, smoke alarms, and temperature sensors in hazardous areas. It can also be used to control I/P converters, power solenoids, LEDs, and audible alarms. Reverse polarity protection prevents damage to the isolator caused by faulty wiring. Since this isolator is loop powered, use the technical data to verify that proper voltage is available to the field devices.

## Standard Features

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

## Product Overview

### ALARM SOUNDER

The IS-A105N is a high output, 105dB(A) alarm sounder. Approvals include ATEX, IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications. The IS-A105N is suitable for all intrinsically safe signalling applications including fire, security and process control.

## Standard Features

- Input overload and reverse current protection
- Auto synchronised sound output
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- Duplicate cable terminations (in & out for daisy-chain installations)
- Available with custom tone configuration and frequencies

## IS-A105N



## Product Overview

### INTRINSICALLY SAFE L.E.D BEACON

The IS-L101L unit is an intrinsically safe field mounting beacon which provides a bright flashing warning signal. The unit can be used independently or combined with an IS-A105N 49 alarm sounder. Combination units can utilise a common zener barrier or galvanic isolator and may be coupled together or mounted separately.

## Standard Features

- Input overload and reverse current protection
- Prismatic lens optimises L.E.D effectiveness
- Approved to ATEX, IECEx

## IS-L101L



## Product Overview

### IS-MA1 MINIALARM

The IS-MA1 is a compact, 100dB(A) alarm sounder. Approvals include ATEX, IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications. The IS-MA1 is suitable for all intrinsically safe signalling applications including fire, security and process control. The IS-MA1M version is also available for Group I mining environments.

## Standard Features

- Input overload and reverse current protection
- End of line resistor certified
- Auto synchronised sound output
- Available with custom tone configuration and frequencies.

## IS-MA1



## Product Overview

### IS-MB1 MINIALARM

The IS-MB1 is a compact beacon with an array of six high output L.E.D's. Approvals include ATEX, IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications.

The IS-MB1 is suitable for all intrinsically safe signalling applications including fire, security and process control.

## Standard Features

- Input overload and reverse current protection
- End of line resistor certified
- Prismatic lens optimises L.E.D effectiveness

## IS-MB1



## Product Overview

### IS-MC1 MINIALARM

The IS-MC1 is a compact combined 100dB(A) alarm sounder and L.E.D. beacon – only one Zener barrier or galvanic isolator required to run both sounder & beacon or alternatively the unit can be operated as individual signals. Approvals include ATEX, IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications.

## Standard Features

- Input overload and reverse current protection
- End of line resistor certified
- Auto synchronised sound output
- Prismatic lens optimises L.E.D effectiveness
- Available with custom tone configurations and frequencies

## IS-MC1



## Stat X - Manual and Thermal Units



### Features

Stand alone units incorporating their own patented detection mechanism, eliminating the need for separate detection and releasing controls. Suitable for a broad range of applications in smaller enclosures, they are available in sizes ranging from 30 grams (covering up to 0.5 m<sup>3</sup>) up to 500 grams (covering up to 8 m<sup>3</sup>).

### Type E Thermal probe



### Product Overview

- Intrinsically safe
- For hazardous locations
- AISI 316 stainless steel
- Gold plated contacts R
- Rated voltage: 24V
- Available from 60°C to 240°C

### Sizes

Type E Thermal probe available :

\* 60c / 66c / 68c / 70c / 80 c / 90 c / 100c / 120c / 140c / 160c / 240c

### Linear 068 & 080



### Product Overview

It can be installed close to potential sources of fire, and provides economical detection for a wide range of applications including:

Rack storage, Vehicle engine bays, Car parks, Floating roof, Fuel storage tanks, Turbines, Boiler fronts, Ships holds, Rail locomotives and rolling stock.

### Sizes

Linear 068 = 68 Degree Linear Heat Detection Wire

Linear 080 = 80Degree Linear Heat Detection Wire

### IFD-E(IS)



### Product Overview

Infra Red Intrinsically Safe Flame Detector Alloy Housing is an Intrinsically Safe IR<sup>3</sup> flame detector designed for use where open flaming fires may be expected and responds to the light emitted from flames during combustion. Ideal for the detection of flames from the burning of Aviation Fuels (kerosene), Butane, Grain & Feeds, Hydrogen, Paper, Natural Gas, Petrol (gasoline) etc.

### Standard Features

- 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 25 m away
- Selectable response speed
- Class 1 performance as defined in BS EN54

### IFD-E(EXD)



### Product Overview

Infra Red Flame Detector Alloy Flameproof Housing is an Explosion-Proof IR<sup>3</sup> flame detector designed for use where open flaming fires may be expected and responds to the light emitted from flames during combustion. The detector discriminates between flames and other light sources by responding only to particular optical wavelengths and flame flicker frequencies.

### Standard Features

- Supports either a 'Frangible Glass' element or a 'Non-Frangible Plastic' element
- Terminals can accommodate up to a 2.5mm<sup>2</sup> solid conductor
- Approved to EN54 part 12
- Rugged design
- ATEX classification to II 1G EEx ia IIC T4



## Product Overview

The 20/20M Mini Series Flame Detectors are high performance, unique IR3 and UV/IR flame detectors featuring lower cost, lower power, and more compact structures. The mini detectors are highly resistant to harsh environments, immune to false alarms and are designed for use in OUTDOOR or INDOOR applications. The IR3 model is also available as intrinsically safe (I.S.) approved format.

Ideal for :

- Automotive parts manufacturing
- Burners, boilers, and heaters
- Car parking towers and garages
- Chemical industry
- Power generation – pumps, generators and unmanned stations
- Recreational and sports arenas (facilities)
- Storage areas

## Standard Features

- Immune to False Alarms
- Large Field of View (100° horizontal/vertical)
- Low Power Consumption
- High-Speed Response
- Standard 4-Wire Connection
- 4-20mA Sink or Source (3-4 wires)
- Configuration: RS-485 Modbus Compatible Automatic and Manual
- Built-In-Test (BIT)
- User-Programmable Function Configurable via software from a PC or handheld device
- MTBF Minimum 100,000 Hours
- 3 Year Warranty

## 20/20 “Mini” Flame Detector



## Product Overview

The new 40/40I, a multi spectrum based on three IR bands (IR3), detects fuel and gas fires at long distances with the highest immunity to false alarms. The 40/40I IR3 can detect a 1 ft2 (0.1m2) gasoline pan fire at 215 ft (65m) in less than 5 seconds. The 40/40I is the most durable and weather resistant flame detector in the market. Its new features include a heated window, to eliminate condensation and icing; HART capabilities for digital communications; lower power requirements; and a compact, lighter design. Ideal for:

- Power Generation facilities
- Pharmaceutical Industry
- Printing Industry
- Warehouses

## Standard Features

- Multi spectrum design - for long distance detection and high false alarm immunity
- Sensitivity selection - to ensure no zone crossover detection
- Automatic and Manual Built-In-Test (BIT) - to assure continued reliable operation
- Heated window - for operation in harsh weather conditions (snow, ice, condensation)
- Multiple output options for maximum flexibility and compatibility
- 5-Year Warranty

## 40/40I Triple IR (IR3) Flame Detector



## Product Overview

Model 40/40L (or LB, with Built-in-test option) provides a combination of UV and IR sensors, where the IR sensor operates at a wavelength of 2.5-3.0 µm, and can detect hydrocarbon-based fuel and gas fires, hydroxyl and hydrogen fires, as well as metal and inorganic fires.

The UV/IR flame detector senses radiant energy in the short wave section of both the ultraviolet and infrared portions of the electromagnetic spectrum. The signals from both sensors are analyzed for frequency, intensity and duration. Ideal For:

- Onshore Oil & Gas installations and pipelines/
- Chemical plants/ Petrochemicals plants

## Standard Features

- Fast Response - 200 msec to flash fire
- Solar blind
- Automatic Built-In-Test (BIT) and Manual - to assure continued reliable operation
- Heated window - for operation in harsh weather conditions (snow, ice, condensation)
- Multiple output options for maximum flexibility and compatibility
- Approved to Safety Integrity Level 2 (SIL2 – TUV) model 40/40LB only
- 5-Year Warranty

## 40/40L Flame Detector



## IFD-MB ADJUSTABLE MOUNTING BRACKET

A steel wall mounting bracket specifically designed for the IFD Range of IR<sup>3</sup> detectors. Adjustable through horizontal and vertical planes.

- Robust design
- Fits all IFD detectors for wall mounting
- Allows horizontal and vertical adjustment





# The FIREbeam

## So what makes The Fire Beam different?

Two main attributes make The Fire Beam stand out from the crowd. A motorised beam head that continually self-aligns, and a low level controller from which all major functions can be performed.

### The Motorised Head

Up until now, aligning an optical beam could well have been a nightmare, often giving uncertain results that can lead to false alarms. By utilising motors within the beam head, The Fire Beam can make commissioning a safer and more accurate procedure. The unique method of using high quality stepper motors allows us to make micro adjustments of just 1/40 of 1 degree to the beam head. This is automatically controlled by software which finds and continually monitors its position in relation to the reflector. A simple commissioning procedure ensures that you achieve perfect alignment every time and that your beam will keep that alignment.

Building movement is the enemy of beam detection, as the smallest movement of a building through heat changes or settlement will move a beam off its target (imagine a couple of degrees of movement in a 100m building). The Fire Beam will continually monitor any movement and re-align itself automatically. How many times have you had to return to a site and re-align beams at high level, and at what expense?

### The Low Level Controller

Low level control means just that. Once you have the head in place and wired in, you can make any changes and adjustments you want from ground level.

You can:

- commission the beam from ground level
- manually move the beam head
- view the air quality
- view the status of the beam
- change sensitivity thresholds
- change the time to fire and fault
- make the alarm latching or non latching
- turn on and off the green flashing light
- see fire and fault counts
- see how much compensation has been made for dirt build up (you will only have to clean the head and reflector when it needs it)
- complete a self test
- turn the beam on and off (it will reset itself after 8 hours)
- adjust output and receiver settings
- and even monitor the temperature at the beam head!



### Additional Features

Very Low Power: using only 3.5mA any state opens up a whole world of options. The Firebeam can also be connected to the fire system detection loop.

The Fire Beam IP65 Rating IP65: means no ingress whatsoever making The Fire Beam ideal for environments, such as food processing halls, as it can be hosed down. IP65 also means nasty little creatures can't set up home inside and jeopardise the effectiveness of the detector.

Easy Clean Lenses: The Fire Beam has been designed to be easily cleaned due to its flat surfaces. Unlike other beams all the moving optics are safely encased inside the waterproof enclosure so you won't accidentally knock the beam out of alignment. This means The Fire Beam can easily be cleaned from ground level using something like a no-climb pole and suitable attachment.

### Using The Fire Beam saves time and money

Great cost savings can be made over spot and air sampling systems. For example, just one beam can be used instead of 16 spot detectors so cost savings can be considerable. Furthermore, wiring to a single head is more cost effective than fitting yards of air sampling tubing.

The advanced technology will greatly reduce commissioning time. It is commonplace to see 25 beams fully commissioned in less than one day. You simply start with one beam and move onto the next, then the next, all from ground level. Spending hours working at height trying to align beams is a thing of the past. Furthermore, self-alignment in normal service means not having to go back and re-align the beam after building movement - again saving time and the expense of lifting equipment, not to mention the disruption this causes.

The Fire Beam can also be added to the fire detection loop.

## The FIREbeam range...

### FIREBEAM-ESP (Hochiki Analogue)

### FIREBEAM-CON (Conventional)

Use the firebeam for distances over 5 metres and up to 40 metres.  
Comes complete with head, low level controller, user manual and 3mm allen key.



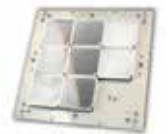
### Mid range distance kit FIREBEAM-MK

Use this for distances over 40 metres and up to 80 metres (simply add the single reflector from the standard firebeam).



### Long range distance kit FIREBEAM-LK

Use this for distances over 80 metres and up to a maximum of 100 metres (simply add the single reflector from the standard firebeam).



### Unistrut adapter FIREBEAM-UA

Specially designed to screw to the back of the firebeam head, this adapter allows you to easily use Unistrut fixing systems.



### Anti fog kit FIREBEAM-AK

Specially developed to overcome the problems of condensation, this special kit contains a reflector and lens cover that have been treated with a special Nano technology finish that will not mist over.



### Anti fog mid range kit FIREBEAM-ARM

Use this for distances over 40 metres and up to 80 metres (simply add the single reflector from the standard firebeam).



### Anti fog long range kit FIREBEAM-ARL

Use this for distances over 80 metres and up to a maximum of 100 metres (simply add the single reflector from the standard firebeam).



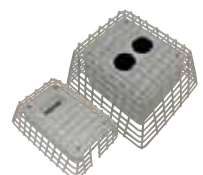
### Adjustable wall fixing FIREBEAM-WF

A very high quality aluminium fully adjustable bracket that can accommodate both the beam head and the reflector / reflector kits.



### Wall cages FIREBEAM-CAGE

Designed to protect the beam head and controller, these cages are specially designed for the firebeam, produced in steel and powder coated these cages come in particularly useful in sports halls etc.



## AN EXTRA LOW VOLTAGE EXIT & EMERGENCY LIGHTING SYSTEM

Firescape is a revolutionary emergency lighting system, made using fully recycled materials and able to save up to 80% in power costs through its patented energy efficient design. The system fully complies with and is certified to, AS/NZS 2293 Parts 1 and 3.

### Key Benefits of FIREscape®

#### 1 Environmentally friendly in energy costs and CO2 emissions

The Firescape emergency light system uses fully recyclable materials that do not place an unnecessary burden on the environment. Due to their unique extra low-voltage solution, cabling costs are reduced by 60% during installation when compared to old central battery based systems. Firescape also runs off 35 V dc instead of 230 Ac volts like traditional emergency lighting systems, saving significant money in power consumption.

#### 2 A cost-efficient system implemented and maintained

A Firescape exit sign luminaire consumes less than 0.5W, including the power loss. When compared to 230V LED lights, Firescape products save more than 60% of energy. The lower energy consumption directly correlates with lower CO2 emissions.

#### 3 Emergency luminaires and Exit signs share the same circuit

Due to Firescape programmability, exit and route lights can be freely installed anywhere on the line without having to group them into either exit or route lights.

#### 4 Reduced cabling costs

Due to their self-contained backup power source, the Firescape lighting devices can use screened, non-fire rated cabling, instead of heavy and costly fire resistant cabling, reducing the installation costs associated with traditional emergency lighting systems.

#### 5 Operational reliability; luminaires feature integral stand-by batteries

A fire-rated cable is not required because all Firescape luminaires are equipped with integral stand-by batteries allowing the luminaires to function in fail-safe mode even in situations where the control panel becomes damaged or inoperable or the line cable is severed. The luminaire batteries allow continual operation in excess of 3 hrs.

#### 6 Automatic luminaire battery and LED health testing features

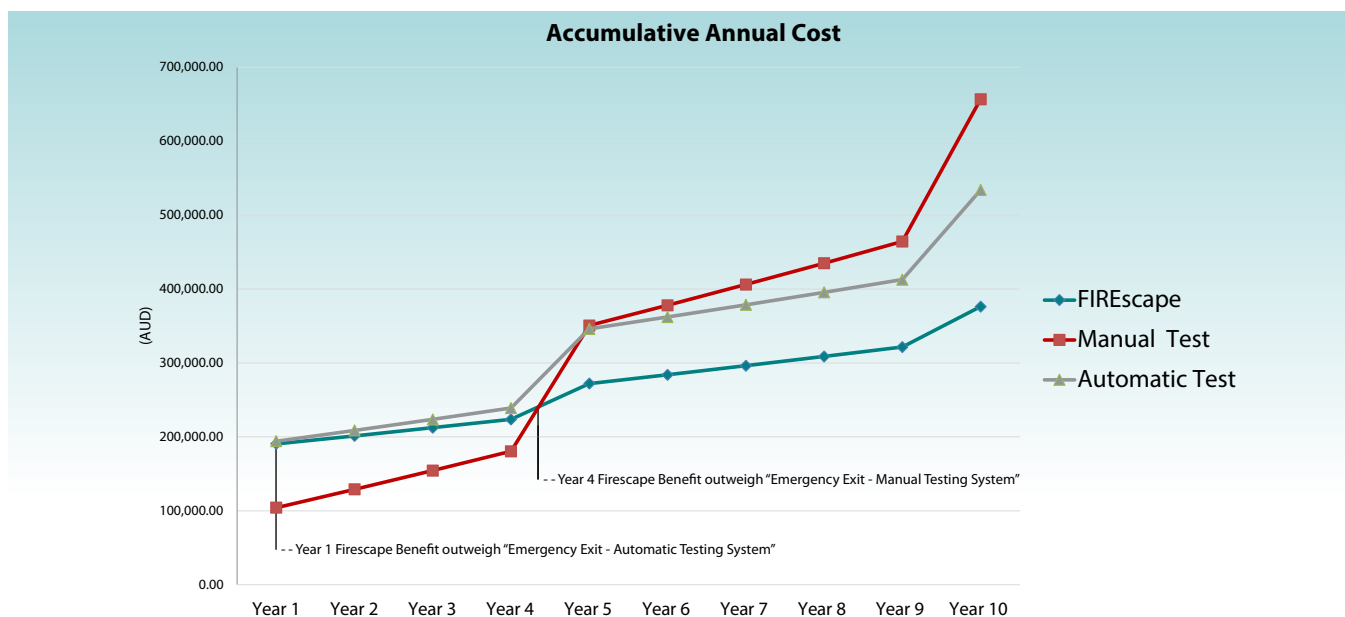
The EL-2 control panel constantly monitors the condition of the luminaire batteries and LEDs and can be programmed to perform the periodical testing and reporting required under AS2293.2

#### 7 Easy display control centre

Fault information from the Firescape emergency lighting system can be displayed using the optional EL-GRAPH graphic software which can show actual building floor-plans with activated areas and individual unit faults. The software can allow the FIREscape® emergency lighting system to be monitored from a control room/centre based locally onsite or remotely via IP.

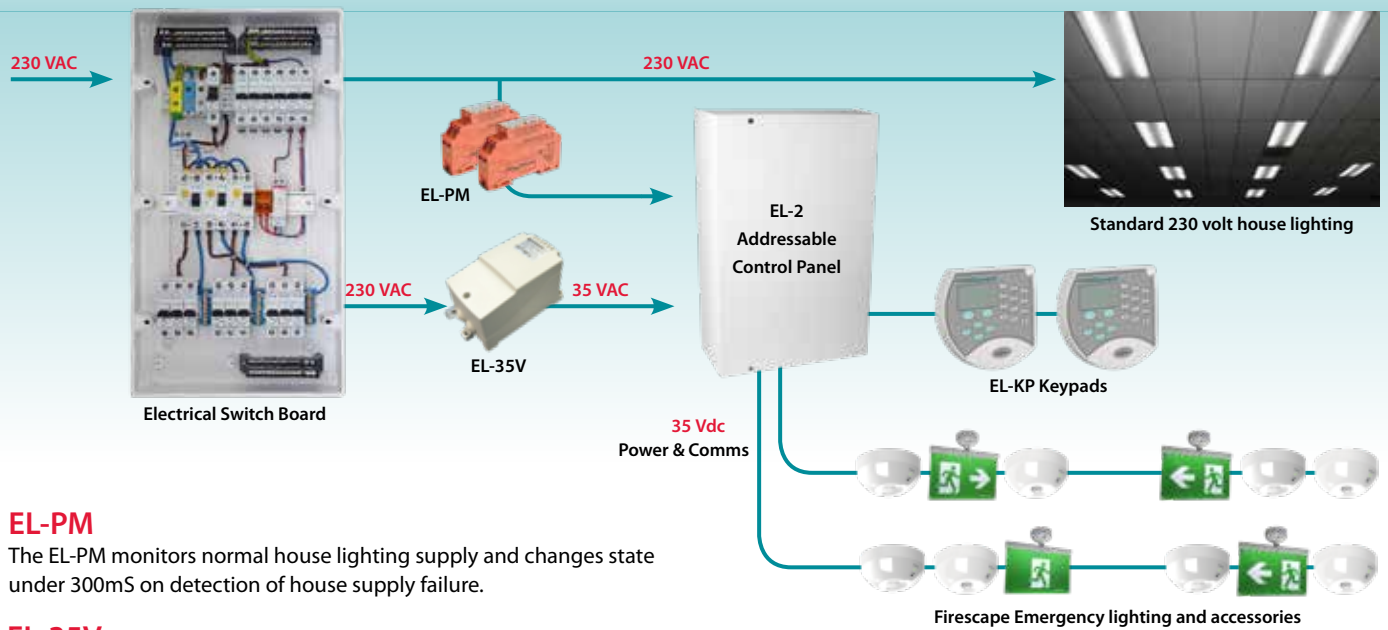
#### 8 Remote Monitoring

Remote monitoring of the EL-2 emergency lighting system control panel is possible utilising the GSM alarm transfer unit. Fault data is easily transmitted to end user or service company GSM numbers. Each GSM number can be stored in an 'alarm ring' so that each responsible person can be contacted in turn if any others are unavailable.



The above "cost of ownership product comparison" line graph is based on 1000 luminaires (80% Emergency Escape & 20% Emergency Exits) over a 10 year period. It incorporates the following variables in relation to an emergency lighting system - Power Consumption / Carbon Foot print - Labour Cost for AS2293.2 Testing requirements - Capital cost for Battery / Luminaire failure - Labour Cost for Battery / Luminaire replacement

## FIRESCAPE EXIT & EMERGENCY LIGHTING SYSTEM



### EL-PM

The EL-PM monitors normal house lighting supply and changes state under 300mS on detection of house supply failure.

### EL-35V

The EL-35V transformer converts 230 Ac volts to 35 V dc.

### EL-2 ADDRESSABLE CONTROL PANEL

The EL-2 emergency light control panel features two lines, each line can accommodate 127 exit signs, route lights or I/O units. The EL-2 supplies the operational voltage to the light units during normal conditions, whilst also completing the continuous testing and monitoring of the equipment on the system. All monitored event information is saved in the memory of the control panel, and this can be accessed through the connected EL-KP keypad.

### EL-KP KeyPad

EL-KP Keypads show system status of the lighting units including battery charge and LED faults.

## KEY POINTS

### Save energy costs through:

- Each light not needing a transformer.
- Minimum 60% more energy efficient than standard exit & emergency lighting systems.
- Extra Low Voltage System.

The only EXIT Emergency Lighting System compliant with AS2293 - Parts 1 & 3





**EL-24S-KIT**

**EXIT SIGN**  
Straight, Single Sided

**KIT CONTENTS**

EL-24-AS EXIT SIGN 24M FRAME  
EL-24G-AS REFLECTIVE WORM , BACK PLATE & RIVETS ASSY  
EL-24G-S-AS 24M LENS STRAIGHT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4 V dc 450 mAh



**EL-24L-KIT**

**EXIT SIGN**  
Left Arrow, Single Sided

**KIT CONTENTS**

EL-24-AS EXIT SIGN 24M FRAME  
EL-24G-AS REFLECTIVE WORM , BACK PLATE & RIVETS ASSY  
EL-24G-L-AS 24M LENS LEFT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4 V dc 450 mAh



**EL-24LD-KIT**

**EXIT SIGN**  
Left Arrow, Double Sided

**KIT CONTENTS**

EL-24-AS EXIT SIGN 24M FRAME  
EL-24G-AS REFLECTIVE WORM , BACK PLATE & RIVETS ASSY  
EL-24G-L-AS 24M LENS LEFT  
EL-24G-R-AS 24M LENS RIGHT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4 V dc 450 mAh



**EL-24R-KIT**

**EXIT SIGN**  
Right Arrow, Single Sided

**KIT CONTENTS**

EL-24-AS EXIT SIGN 24M FRAME  
EL-24G-AS REFLECTIVE WORM , BACK PLATE & RIVETS ASSY  
EL-24G-R-AS 24M LENS RIGHT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4Vdc 450 mAh



**EL-24RD-KIT**

**EXIT SIGN**  
Right Arrow, Double Sided

**KIT CONTENTS**

EL-24-AS EXIT SIGN 24M FRAME  
EL-24G-AS REFLECTIVE WORM , BACK PLATE & RIVETS ASSY  
EL-24G-R-AS 24M LENS RIGHT  
EL-24G-L-AS 24M LENS LEFT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4 V dc 450 mAh



**EL-DL2-KIT**

**EMERGENCY ESCAPE**  
CORRIDOR LIGHT

**KIT CONTENTS**

EL-DL2-AS CORRIDOR DOWN LIGHT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4 V dc 450 mAh



**EL-DL3-KIT**

**EMERGENCY ESCAPE**  
OPEN AREA LIGHT

**KIT CONTENTS**

EL-DL3-AS OPEN AREA DOWN LIGHT  
EL-BAT450-AS LITHIUM POLYMER BATTERY 7.4 V dc 450 mAh



**NF89-C-KIT**

**EMERGENCY ESCAPE**  
HIGH POWERED  
CORRIDOR LIGHT

**KIT CONTENTS**

NF89-C-AS HIGH POWER CORRIDOR DOWN LIGHT INC  
BATTERY SPACER  
EL-BAT2950-AS LITHIUM ION BATTERY 7.4 V dc 2950 mAh



**NF89-O-KIT**

**EMERGENCY ESCAPE**  
HIGH POWERED  
OPEN AREA LIGHT

**KIT CONTENTS**

NF89-O-AS HIGH POWER OPEN AREA DOWN LIGHT INC  
BATTERY SPACER  
EL-BAT2950-AS LITHIUM ION BATTERY 7.4 V dc 2950 mAh





## EL-TSB

A common mounting base which is used to mount the Firescape range of luminaires and exit signs.

- ▶ Test switch
- ▶ Stainless steel contacts
- ▶ Accepts 2.5 mm<sup>2</sup> conductors
- ▶ Quick and easy 'twist on' connection of luminaires



## EL-2 ADDRESSABLE CONTROL PANEL

The EL-2 emergency light control panel features two lines, each line can accommodate 127 exit signs, route lights or I/O units. The EL-2 supplies the operational voltage to the light units during normal conditions, whilst also completing the continuous testing and monitoring of the equipment on the system. All monitored event information is saved in the memory of the control panel, and this can be accessed by a connected EL-KP keypad.

NOTE: Must be used in conjunction with the EL-35V Transformer.



## EL-35V

A transformer for the EL-2 emergency light control panel.

- ▶ 35 VAC, 220 VA
- ▶ Input: 230 V ac
- ▶ Output: 35 V ac / 220 VA
- ▶ Protection class: IP44
- ▶ Operational temperature: max. 40°C
- ▶ Wall installation: with three screws
- ▶ Manufacturing class: SS 4270203 (EN60742)
- ▶ Weight: 3.2 kg



## EL-KP LIGHTING SYSTEM KEYPAD

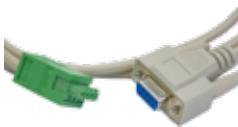
EL-KP is an emergency lighting control panel keypad for use with the EL-2 panel. The control panel is operated and interrogated through the compact backlit LCD graphical display of the keypad, which can show system status of the lighting units including battery charge and LED faults. One EL-2 control panel can support a total of 8 EL-KP keypad units, with up to a max of 48 panels on one system.



## EL-PM

An under-voltage monitoring device that constantly assesses the condition of a mains lighting circuit. When the lighting circuit is deemed faulty, the unit will provide a signal that can be relayed to the control equipment to initiate emergency luminaire activation.

- ▶ Triggers at 75% of the nominal lighting circuit supply
- ▶ DIN Rail mounted
- ▶ Power and output indications



## EL-CAB

A connection cable for use between the EL-2 Emergency Light Control Panel and a PC/laptop.



## TCH-B200

**A Hand Held Address Programmer** designed to address the range of detectors 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 9v battery which can provide up to 8000 operations.

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

TCH-B200: Includes CO detection

**24M ADDRESSABLE EXIT SIGN**



An LED-based, addressable 24m viewable exit light with a flexible 'flex it' hinge solution. The exit light's hinge cup contains the electronics and stand-by battery and allows the unit to attach to the Hochiki EL-TSB mounting base. The cup also features a bicoloured status LED indicating charge/fault status (green for charging, red for fault), approved to AS2293.



**EL-24-AS**

24m Emergency Exit Sign Frame, white (battery required)



**EL-24G-AS**

24m Reflective Worm Back plate and Rivets Assy



**EL-24G-S-AS**

FIREscape 24m Lens, STRAIGHT



**EL-24G-L-AS**

FIREscape 24m Lens, LEFT arrow



**EL-24G-R-AS**

FIREscape 24m Lens, RIGHT arrow

**BATTERIES**



**EL-BAT450-AS**

A rechargeable Lithium/Polymer back-up battery for use with luminaires and exit signs within the Firescape range.

- ▶ 450 mAh
- ▶ 7.4 V dc
- ▶ For use with FIREscape luminaires and exit signs
- ▶ Provides minimum 3h backup time (AS2293 requires 1.5h)
- ▶ Incorporates deep discharge protection circuitry



**EL-BAT2950-AS**

A rechargeable Lithium/Polymer back-up battery specifically for use with the NF89-O-AS and NF89-C-AS luminaires within the Firescape range.

- ▶ 2950 mAh
- ▶ 7.4 V dc
- ▶ For use with the NF89-O-AS and NF89-C-AS



## EL-DL2-AS CORRIDOR DOWN LIGHT

EL-DL2-AS is an LED-based, addressable corridor down light featuring one high-powered LED with a specially engineered dual surface free-form optic. The unit's body contains the electronics and the stand-by battery and features a bicoloured status LED indicating charge/fault status (green for charging, red for fault).

The unit has been designed to easily fit onto Hochiki's base, the EL-TSB.

Shown mounted on EL-TSB base (sold separately).



## EL-DL3-AS OPEN SPACE DOWN LIGHT

EL-DL3-AS is an LED-based, addressable open space down light featuring one high-powered LED with a specially engineered dual surface free-form optic. The unit's body contains the electronics and the stand-by battery and features a bicoloured status LED indicating charge/fault status (green for charging, red for fault).

The unit has been designed to easily fit onto Hochiki's base, the EL-TSB.

Shown mounted on EL-TSB base (sold separately).



## NF89-C-AS HIGH POWER CORRIDOR DOWN LIGHT

The NF89-C-AS Corridor luminaire is an addressable processor controlled device using modern LED technology and is equipped with a battery. It uses one conductor pair for both power and communication. The conductors are connected to a separate round mounting base onto which the luminaire is mounted. The luminaire uses a bigger battery than standard and needs a battery spacer NFW/BS. The battery is mounted into the spacer and the spacer is connected to the luminaire with bayonet fix. The package is then mounted onto the base.

The luminaire can be ordered with corridor lens NF89-C-AS or with open area lens NF89-O-AS

Shown mounted on a Battery Spacer (supplied) & EL-TSB base (sold separately).



## NF89-O-AS HIGH POWER OPEN SPACE DOWN LIGHT

The NF89-O-AS Open Area luminaire is an addressable processor controlled device using modern LED technology and is equipped with a battery. It uses one conductor pair for both power and communication. The conductors are connected to a separate round mounting base onto which the luminaire is mounted. The luminaire uses a bigger battery than standard and needs a battery spacer NFW/BS. The battery is mounted into the spacer and the spacer is connected to the luminaire with bayonet fix. The package is then mounted onto the base.

The luminaire can be ordered with corridor lens NF89-C-AS or with open area lens NF89-O-AS.

Shown mounted on a Battery Spacer (supplied) & EL-TSB base (sold separately).



## EL-TSB

A common mounting base which is used to mount the Firescape range of luminaires and exit signs.

- ▶ Test switch
- ▶ Stainless steel contacts
- ▶ Accepts 2.5 mm<sup>2</sup> conductors
- ▶ Quick and easy 'twist on' connection of luminaires



### EL-REC40 RECESS ADAPTOR

The recess adaptor bracket allow a semi-flush fitting of the EL-24 exit signs. The bracket needs to be fitted with an exit sign and a mounting base (not supplied) and are equipped with spring loaded clips for secure fixing to most suspended ceiling materials. The bracket features a small inspection hole in the ceiling plate which allows sight of the bicoloured status LED on the exit sign cup within the ceiling void.

Shown with EL-24 24m exit sign fitted (sold separately).



### NFW68/89-RA RECESS ADAPTOR

The NFW68/89-RA is a mounting adaptor for the Emergency Lighting product range and their associated mounting bases. It allows a base and light combination to be flush mounted by providing a recess fixing in the ceiling. (shown with luminaire fitted – not supplied)

Allows all current Firescape luminaires to be flush mounted:  
EL-DL2-AS, EL-DL3-AS, NF89-O-AS, NF89-C-AS



### EL-SL ADDRESSABLE STEP LUMINAIRE

An LED-based, addressable step lighting unit, which is installed semi-flush. The stand-by battery is contained within the unit.

Although low-level lighting is not a requirement under AS2293 this attractive and discreet unit is ideal for lighting stairway treads and changes in floor levels.



### EL-PSU

A bus-controlled Power Supply, which operates with the Firescape system providing charge to luminaire batteries.

NOTE: A remote power supply is required to power any non-addressable slave luminaires.

- ▶ Switched-mode power source
- ▶ Parallel connection for outputs max. 2.5 mm<sup>2</sup>
- ▶ Outputs: 12 V dc / 24 V dc (2 x 5 A)
- ▶ Batteries: 2 units, 7 Ah / 1 hr standby time
- ▶ Group-specific monitoring of emergency lighting
- ▶ Controlled using EL-IO units
- ▶ Designed for 12/24 lights



### EL-GRAPH

An alarm graphics package which allows the end-user to visually check on the status of the complete Firescape system, down to individual point status.

- ▶ Fully integrated graphics package
- ▶ Individual point monitoring
- ▶ Reports point status information
- ▶ Point interrogation and control



### EL-IMP

A configuration and programming software tool for use with the EL-2 emergency lighting control panel.

The software is used to configure light levels, set up lighting areas and create input and output parameters during set-up and commissioning.

- ▶ Allows configuration of luminaires
- ▶ Allows configuration of input/output devices
- ▶ Assists in fault finding
- ▶ Allows uploading and downloading of data
- ▶ Assists in report generation and retrieval



## EL-LIC User Licence

## EL-LIC(SER) Server Licence



## EL-1RC

A relay card for use with the EL-2 Emergency Light Control Panel.

- ▶ Equipped with one volt-free relay output which can be set as N/O or N/C
- ▶ Control voltage 12 V dc
- ▶ Electricity consumption 37.5 mA (at 12 V dc)
- ▶ Dimensions: 50 x 37 mm



## EL-BDC

A battery monitoring card for use with the EL-2 Emergency Light Control Panel.

- ▶ The unit is used to prevent the deep discharge of the panel's battery during long-duration (over 50 h) power outages



## EL-EXP

An expansion unit used for expanding the serial ports of the EL-2 Emergency Light Control Panel. The unit provides two additional ports, SER1 and SER2.

- ▶ Provides two additional serial ports within the control panel
- ▶ Ports can be configured either as RS-232 or RS-485
- ▶ Four integral LEDs to indicate communications



## EL-8RC

A relay card which adds 8 relay outputs to the EL-2 Emergency Light Control Panel. Each output can be programmed with all necessary functions, including links to other systems. Up to 4 cards can be connected to the panel simultaneously.

- ▶ Provides 8 relay outputs 1A at 30V
- ▶ RS-485 channel connection (DIL-128)
- ▶ A total of 4 cards can be connected to the same channel
- ▶ Dimensions: 110 x 75 x 42mm
- ▶ Fits to DIN rail



## EL-IO

An I/O unit which is connected to a line of the EL-2 Emergency Light Control Panel, from which it receives its power. The unit links test switches and phase monitors to the Firescape system.

- ▶ 4 inputs - can be configured as opening or closing
- ▶ 2 outputs - can be configured as N/O or N/C
- ▶ Dimensions: 110 x 110 x 35 mm





### EL-ISOL

An isolator device which should be used when connecting external equipment to the EL-2 Emergency Light Control Panel's RS232 outputs, to avoid ground leakages.



### EL-LAN

An RS232 to Ethernet adapter, designed for connecting the EL-2 Emergency Light Control Panel to an Ethernet network.

- ▶ 10/100 Mbit/s
- ▶ Operational voltage 9-30 V dc
- ▶ Power feed from the EL-2 Emergency Light Control Panel (PRG screw connector)
- ▶ Maximum distance from the panel is 200m



### EL-SWT5

A 5-port Ethernet switch which can be used for splitting an Ethernet network and extending CAT cabling.

- ▶ RJ45 connectors
- ▶ Maximum distance to the next switch or terminal unit 100m
- ▶ 10/100 Mbit/s
- ▶ Operational voltage 18.5 to 30.2 V dc
- ▶ Electricity consumption ~ 90 mA (at 24 V dc)



### EL-SWT8

An 8-port Ethernet switch which can be used for splitting an Ethernet network and extending CAT cabling.

- ▶ as per EL-SWT5 above



### EL-FS

EL-FS is 'flap support' type fixing that also provides the option for the emergency lightings and exit signs to be suspended.



### EL-CS

EL-CS is a ceiling support fixing that also provides the option for the emergency lightings and exit signs to be suspended.



## EL-DE

An external weather-proof enclosure designed to allow the external mounting of the EL-DL down lights. The enclosure features one cable entry which can be glanded and provides an ingress protection rating of IP67.

(shown with luminaire fitted – not supplied)

- ▶ Robust design
- ▶ Provides IP67 protection
- ▶ Cable entry can be glanded
- ▶ Metal, powder-coated body, acrylic dome



## EL-DEB

An external weather-proof enclosure and bracket designed to allow the external mounting of the EL-DL3 open space down light. The bracket section features two cable entries which can be glanded and provides an ingress protection rating of IP67.

(shown with luminaire fitted – not supplied)

- ▶ Suitable for EL-DL3 only (open space down light)
- ▶ Robust design
- ▶ Provides IP67 protection
- ▶ 2 cable entries can be glanded
- ▶ Metal, powder-coated enclosure and bracket, acrylic dome



## EL-BBA1

A BESA Box Adaptor Plate which allows adjustment of the mounting base to allow correct alignment of exit signs and luminaires. Supplied with fixing screws.



## YZU-A

The YZU-A is an angled ceiling bracket. It allows all current Firescape luminaires to be mounted: EL-DL2-AS, EL-DL3-AS, NF89-O-AS & NF89-C-AS

(shown with base fitted – not supplied)

- ▶ Easy to install
- ▶ Allows the luminaires and mounting base to be angled



## YZU-B

The YZU-B is a fixed angle wall bracket. It allows all current Firescape luminaires to be mounted: EL-DL2-AS, EL-DL3-AS, NF89-O-AS & NF89-C-AS where the detector cannot be fixed to a ceiling surface.

- ▶ Easy to install
- ▶ Requires a mounting base for the luminaires

**ANALOGUE SENSORS**


The below chart shows each panel and its corresponding detectors, along with a recommended solution for each site. Where a site has FFE9000 or FFE10000 panel and only HRE detectors, (Red column below) the only solution is to change the entire fire system. If a site has Firenet panels there may be an option to update the system by changing only the panels as can be seen on the opposite page.

**PRODUCTS:**  
 - FFE9000  
 - FFE10000  
 - AB3000



**Solution**  
 (1) Replace Fire system

**PRODUCTS:**  
 - FIRENET





























**Solution**  
 (1) Possibility to upgrade loop card to link to HRE detectors (to be confirmed with Incite Fire)  
 (2) Continue to maintain system with available parts  
 (3) Upgrade system with Syncro / Taktis panels

**PRODUCTS:**  
 - Syncro (Hochiki Product)  
 - Taktis (Hochiki Product)



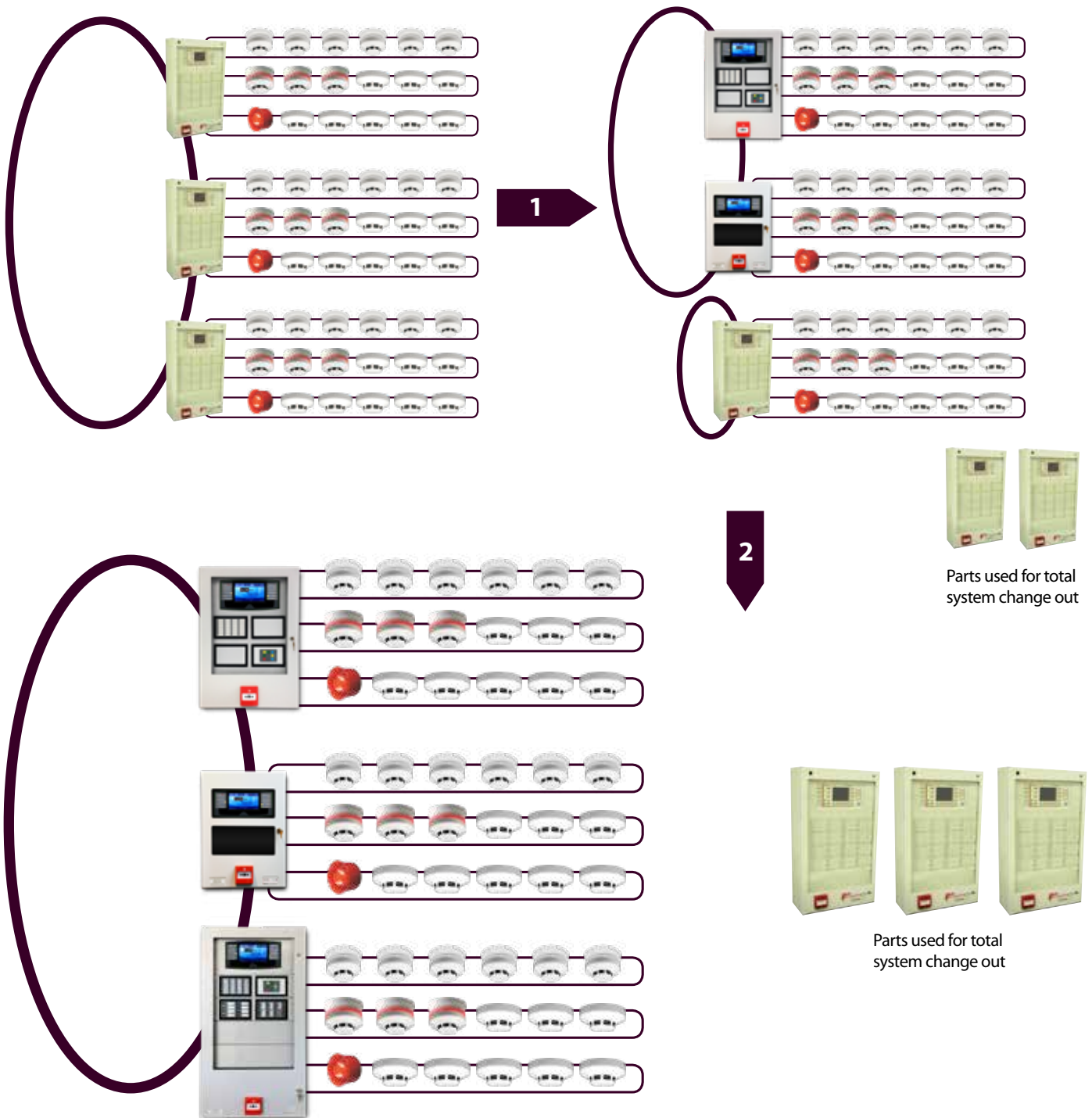
**Solution**  
 (1) Continue as is for the future

ANALOGUE SENSORS	HRE DETECTORS	HRE DETECTORS	GTP DETECTORS		GTP DETECTORS		ESP DETECTORS
PHOTO	 ALB-E	 ALB-E	 ALG-AS	 ALK-AS	 ALG-AS	 ALK-AS	 ALK-ASN
ION	 AIA-E	 AIA-E	 AIE-AS		 AIE-AS		
HEAT	 ATA-E	 ATA-E	 ATG-AS	 ACB-AS	 ATG-AS	 ACB-AS(*)	 ACB-ASN
HEAT WATER-PROOF				 ACB-ASW		 ACB-ASW	 ACB-ASNW
MULTI			 AAM	 ACA-E	 AAF	 ACA-E	 ACA-ASN
COLOUR	IVORY	IVORY	IVORY		IVORY		WHITE
BASE	YBF-RL/2NBF	YBF-RL/2NBF	YBN-R/2NA		YBN-R/2NA		YBN-R/3(WHT)

All Hochiki GTP loop protocol devices will work with Syncro and Taktis

(\*) Operates in fixed temperature mode only as per ATG-AS

## FIRENET CHANGE OUT SOLUTION



### Only Use Compliant Products When Performing Changeouts

“Hochiki Australia’s AS approved Analogue Sensors (excluding HRE protocol sensors and Conventional Detectors) are compatible, tested and approved for use with the following fire control panels:


























- Manufacturer Kidde Australia Pty Ltd/Model: NFP1&2, Phoenix, FIRENET
- Manufacturer Kentec Electronics Ltd /Model: Syncro AS, Taktis”

For further information please contact: FireNet Support Team (02) 9644 7144-PRESS 2.

AFP : 2014



**CONVENTIONAL DETECTORS**

	1980	1992	1997	2004	2012
CONVENTIONAL DETECTORS	LEGACY MODELS		CURRENT MODELS		CURRENT MODELS For Sigma CP Panels
PHOTO	 SLG-A	 SLK-A	 SLR-AS	 SLV-AS	 SLV-AS3
ION	 SIF-A	 SIH-AM	 SIJ-ASN		
HEAT	 DCA-B-60R	 DCC-A	 DCD-A		 DCD-A3
	 DCA-B-90R	 DCC-C	 DCD-C		 DCD-C3
	 DFB-60B	 DFE-60B	 DFJ-60B		 DFJ-A3
	 DFB-90D	 DFE-90D	 DFJ-90D		 DFJ-C3
COLOUR	IVORY	IVORY	IVORY		WHITE
BASE	- YBC-RL/4H5	- YBF-RL/4AH4M - AMU-MBM Addressable Master Base - AMU-B2M Addressable Base - YBF-RL/3JM Slave Base	- YBO-R/4A With remote LED - YBN-R/4C		- YBN-R/6(WHT) - YBO-R/6PA(WHT) 2 wire base - YBO-R/6R(WHT) Latching Relay Base - YBO-R/6RN(WHT) Non Latching Relay Base
COMPATIBLE PANELS	VARIOUS	VARIOUS	VARIOUS		 SIGMA CP Please see page 36 Sigma CP panel with Hochiki



# HOCHIKI CONVENTIONAL DETECTORS PANEL COMPATIBILITY CHART

(MAXIMUM NUMBER OF DEVICES ALLOWED PER AZF)

MANUFACTURER	PANEL MODEL NUMBER	DETECTOR					
		THERMAL DCD-A	THERMAL DFJ-608	THERMAL DCD-C	THERMAL DFJ-900	SMOKE SLR-AS SIV-AS	SMOKE SU-ASN
AMPAC	ZONESENSE	40	40	40	40	40	40
	AB1000, AB800, AB2000, AP1542	39	39	39	39	39	31
	AP 1671 FIREFINDER	40	40	40	40	40	40
	AB3000, AP1417	40	40	40	40	40	40
	XP 95 DEVICE	40	40	40	40	40	40
	AB04	33	33	33	33	33	26
	AB40	23	23	16	16	N/C	N/C
CHUBB FFE	FFE MCP-002, 10000 LAM, 10000 DCM	40	40	40	40	40	33
	8070, SCP-90, FB-208/56	40	40	40	40	40	40
	HOCHIKI CHQ-DZM(CHQ-Z)FIELD DEVICE	30	30	30	30	30	30
	NFP/PHOENIX CCI CARD	40	40	40	40	40	40
	FIRENET CCI CARD	40	40	40	40	40	40
INERTIA	ZJ1000	40	40	40	40	40	39
	2400 & 008	40	40	40	40	40	40
BROOKS PANALECT	MODEL 128	29	29	29	29	29	23
	MODEL 199	18	18	18	18	18	14
	2010V	40	40	40	40	40	40
	MICROFIRE	40	40	40	40	40	40
VIGILANT	F4000, F3200	40	40	40	40	40	40
	F5000 AZF 301 1K8	40	40	40	40	40	37
	F5000 AZF 301 2K7	31	31	31	31	31	25
	F08	N/C	N/C	N/C	N/C	N/C	N/C
NOTIFIER	2600 & 888	40	40	40	40	40	40
	CFP800	20	20	25	25	20	22
	AFP-100, AFP-200, MMX-2, ID-200, AM2020	40	40	40	40	40	40
ZITON	ZP-E50	40	40	40	40	40	40
	ZP5 AS2	40	40	40	40	40	40
	ZP5 AS1	34	34	23	23	34	34
MATTHEWS FIRE	FYRTEL MICRO 900	35	35	25	25	35	40
DIGITRON	SERIES 86	40	40	40	40	40	40
HONEYWELL	FS90 & B09A	40	40	40	40	40	40
O'DONNELL GRIFFEN	MICRO 1000	40	40	40	40	40	40
	MXL CZM-1	23	23	23	23	23	19
SIMPLEX	4020	40	40	40	40	40	40
	2120	28	28	28	28	28	23
	4100	33	33	33	33	33	27

Hochiki Compatibility and Progression Chart

Y= SUITABLE  
\* = UNSUITABLE

CONVENTIONAL DESCRIPTION	NEW CONVENTIONAL BASE	NEW CONVENTIONAL BASE	CONVENTIONAL BASES	ADDRESSABLE PROTOCOL BASES	ADDRESSABLE PROTOCOL SLAVE BASE (WITH 5H2M)	OLD CONVENTIONAL BASES	OLD ADDRESSABLE PROTOCOL BASES
<b>NEW CONVENTIONAL DETECTORS</b>							
For "Sigma CP" FIP							
SLV-AS3 PHOTO	Y	Y	*	*	*	*	*
DCD-A3 THERMAL Class A IR Type	Y	Y	*	*	*	*	*
DCD-C3 THERMAL Class CR Type	Y	Y	*	*	*	*	*
DFJ-A3 THERMAL FIXED Class A IS Type	Y	Y	*	*	*	*	*
DFJ-C3 THERMAL FIXED Class CS Type	Y	Y	*	*	*	*	*
<b>CONVENTIONAL DETECTORS</b>							
DCD-A TYPE A THERMAL	*	*	Y	Y	Y	*	*
DFJ-60B TYPE B THERMAL	*	*	Y	Y	Y	*	*
DCD-C TYPE C THERMAL	*	*	Y	Y	Y	*	*
DFJ-90D TYPE D THERMAL	*	*	Y	Y	Y	*	*
SLR/SLV-AS P/OPTICAL SMOKE	*	*	Y	Y	Y	*	*
SJJ-ASN (0-4) IONIZATION SMOKE	*	*	Y	Y	Y	*	*
SJJ-AS HIGH (0.29) IONIZATION SMOKE	*	*	Y	Y	Y	*	*
<b>OLD CONVENTIONAL DETECTORS</b>							
DCC-A THERMAL	*	*	*	*	*	Y	Y
DFE-60B THERMAL	*	*	*	*	*	Y	Y
DCC-C THERMAL	*	*	*	*	*	Y	Y
DFE-90D THERMAL	*	*	*	*	*	Y	Y
SLK-A P/OPTICAL	*	*	*	*	*	Y	Y
SIH-AM NORMAL IONIZATION	*	*	*	*	*	Y	Y
SIH-AM HIGH IONIZATION	*	*	*	*	*	Y	Y



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