HOCHIKI

World Class Leaders in Fire Detection Since 1918

SYSTEMSCATALOGUE

Complete Fire Detection Systems

L@titude
Life Safety Platform

Analogue Addressable Loop Control Panel

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

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

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

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

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

Latitude fire systems are scalable with Latitude Net Enhanced High Speed Networking. This allows up to 32 panels to be connected together as a fully fault tolerant networked system with rapid inter panel communications and up to 1.2km of standard two core fire resistant cabling between nodes.

Each panel can be configured to display all or any events from any other panel allowing a flexible network interface..

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

Adding a Latitude “Bridge” Network Card to your Latitude Panel provides an interface between existing devices and Latitude Control Panel providing backward compatibility and a unique upgrade path.

Latitude Analogue Addressable
2-16 Loop Control Panel

EN Panel Technical Specifciations

2-8 Loop (4 Slot) Enclosure

Standard Size	-	420 mm (W) x 590 mm (H) x 150 mm (D)
Deep Size	-	420 mm (W) x 590 mm (H) x 195 mm (D)
Construction	-	1.5mm mild sheet steel
Cable entry	-	28 knockouts top, 18 knockouts back, 1 knockout each side
Battery capacity	-	Up to 26 Ah

2-16 Loop (8 Slot) Enclosure

Deep Size	-	540 mm (W) x 720 mm (H) x 212 mm (D)
Construction	-	1.5mm mild sheet steel
Cable entry	-	50 knockouts top, 26 knockouts back, 1 knockout each side
Battery capacity	-	Up to 45 Ah

STANDARD FEATURES

- Compliant with EN54-2, EN54-4, EN54-13
- 2 to 8 loop or 2 to 16 loop versions
- 500mA loop current
- 400 sub-address points per loop (800 per loop module)
- 4 programmable sounder circuits each rated at 2.5 A
- 5.25 A or 10.25 A power supply options
- 3 programmable inputs and 5 programmable relay outputs
- 7 inch, full-color resistive touch screen with intuitive user interface
- Up to 24 programmable soft “function keys”
- Up to 28 user login accounts
- Positive Alarm Sequence
- Pre-Signal
- Alarm Verification
- Drift Compensation
- Hard-wired fire and fault routing inputs and outputs
- Modular and expandable electronics
- Option to “invert” inputs and outputs
- 5000 programmable cause and effects; over 50,000 inputs and outputs
- Network up to 32 panels
- Can be networked with programmable functionality
- Programming via USB or PC
- 2 ancillary serial ports
- Up to 512 programme Input/Output via optional plug in and serially connected expansion cards
- Lati-View Graphical PC User Interface.

All Models

Finish	-	Epoxy powder coated
Colour - Lid & Box	-	BS 00 A 05 fine texture
Power supply voltage	-	230 VAC or 115 VAC
Power supply rating at 24 VDC	-	5.25 A (charges up to 26 Ah) or 10.25 A (charges up to 45 Ah)
Display	-	Full colour 800 x 480 LCD with resistive touch screen and automatic backlight dimming
Printer	-	40 column, front loading thermal (optional)
Zone LED indicators	-	Up to 3 banks of 48 (144) as standard
Software zones	-	2000
Software groups	-	5000
Event log	-	10,000 events, 1 second resolution. Filterable and printable.
Detection loops	-	2 to 16 added 2 at a time (K758 dual loop cards)
Detection loop current	-	500 milliamps each
Sounder circuits	-	4 each rated at 2.5 A, 24 VDC,
Programmable auxiliary	-	24 V
Auxiliary 24V supply 1	-	24 VDC fused at 500 milliamps
Auxiliary 24V supply 2	-	24 VDC fused at 500 milliamps
Default relays	-	Fault, Fire, Alarm, Programmable 1 and Programmable 2 (all re-programmable)
Programmable inputs	-	3, activated by volt free contacts
Auxiliary Serial port A	-	RS232 programmable
Auxiliary Serial port B	-	RS232 programmable
Ancillary I/O board serial port	-	RS485 programmable
Fire Routing (Ifam) serial port	-	RS485 programmable
USB host port	-	USB type A
USB device port	-	USB type B
Fire routing Input/Output	-	Monitored
Fault routing Input/Output	-	Monitored
Extinguisher Input/Output	-	Monitored
Extinguisher fault input	-	Monitored

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Graphics & Cloud Management

VISUAL FIRE MANAGEMENT

AMX can automatically switch to the area on a site map to where a fire device has been activated to quickly view an event and begin immediate investigation. Information displayed can be provided to the emergency services to direct them to the required location.

HISTORY LOGS

AMX stores all significant information into logs providing historical information on events, system errors, user history etc.

USER ACCOUNTS

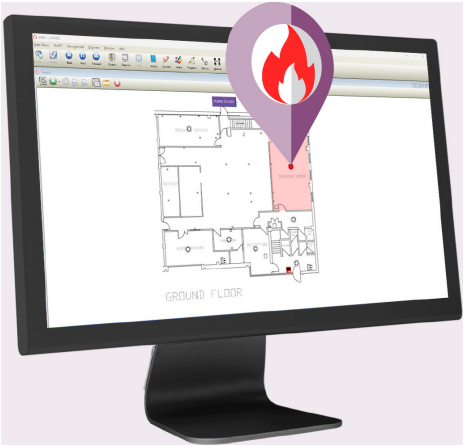
Up to 2,000 user accounts can be created in AMX each with unique login details. Each user can be configured with access to the required functions associated with their role.

MULTIPLE WORKSTATIONS

AMX can support multiple workstations using existing IP infrastructure.

AMX KEY FEATURES

- Monitor multiple alarm networks
- Supports multiple PC connections through TCP/IP groups
- Text based alarm reporting or full device level graphics capability
- Remote control of alarm systems
- Clear and Concise action messages for each alarm event
- Fully configurable using engineer access
- Powerful event log filtering and reporting
- Configurable control buttons
- Full site map navigation
- Visibility of device analogue levels
- Perform device and zone disablements/enablements
- Fully compatible with Hochiki's Latitude fire control panel.



AMX
Fire Alarm Monitoring Solution

L@titude
Life Safety Platform

Other Latitude Compatible Solutions

PRODUCT NAME	SUPPLIER	FEATURE BULLETS	PRODUCT OFFERING			COUNTRY OF ORIGIN
			GRAPHICS	CLOUD	BMS	
AMX	Drax	• Integrate with multiple systems • Visual Overview • Increase Engineer Efficiency	☑	☑	☑	UK
ObSys	North BT	• Control, display and management • Runs on desktop, rack-mount and embedded PCs • Interact with a building via phone, tablet and desktop		☑	☑	UK
nimbus	Nimbus	• Suite of Apps for testing, maintenance and notification • Improve efficiency in the field • Eliminate paperwork		☑		UK
GEMOS PSIM	Lobeco Fire + Security BV	• Reduce costs • User-friendly interface • Easy integration	☑	☑	☑	Belgium
C4	GamaNet	• Simple operation and management • Limitless number of connected devices • Support in multiple time zones		☑	☑	Slovakia
WinGuard	Advancis	• Open platform • Real-time reporting and evaluation • Encrypted network connections	☑	☑	☑	International
EUREKA CONNECTION	Eureka Connection	• Bidirectional management of fire control panels • Live graphical mapping • Remote networking	☑	☑	☑	Italy
CUBE FIRE	Life3	• Receives alarms in real-time • Automatic client reporting • UNI 11224:2019 compliant	☑	☑	☑	Italy
COSMO PSIM+	Cosmonauta Software	• Access, monitor and interact in one platform • Web and mobile access • Reports and audits	☑	☑	☑	Portugal

Hochiki Europe provides this information as guidance only; we cannot guarantee complete compatibility between the listed software products and the Latitude platform. System integrators should contact the third party suppliers direct to confirm full functionality.

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System Expandable Options

Latitude Vision Network Repeater

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

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

VIZULINX

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

- 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
- Configuration through embedded web server
- 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).

L@titude Connectivity

Life Safety Platform

Initial Setup and Expandability

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

Comes as standard with:

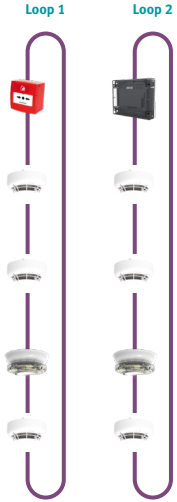
1 Loop Card
(2 Loops per card)

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

Each loop is capable of hosting upto 127*1 addresses

Network Card allows 32 Latitude Repeaters/Panels to be added to the network.

Media Gateway card allows connection to VR Nimbus, Vizulinx and Lati-view*2



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

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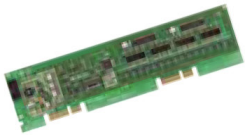
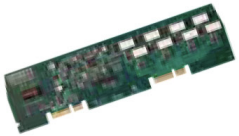
Compatible I/O Boards



16 CHANNEL I/O BOARD

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

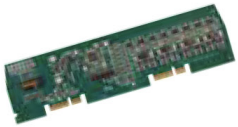
- 16 channels
- Each channel configurable as input or output
- Inputs opto-isolated
- Outputs open collector transistor
- Simple 2 wire connection to control panel
- Up to 32 boards supported per panel (512 Input/Output Channels)
- Inputs and outputs configurable as per field devices
- Full cause and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



8 WAY RELAY EXTENDER BOARD

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

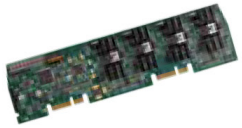
- 8 volt free changeover relay contacts (1Amp 30V DC)
- Relay operated indications
- Remote connection to panel via RS485 serial bus
- Common footprint to other HFP I/O board types
- All outputs programmable for cause and effects
- Can be used with other HFP I/O modules on the same panel
- Compatible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



CONVENTIONAL DETECTION ZONE BOARD

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

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



6 WAY SOUNDER EXTENDER BOARD

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

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

ALN-EN

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

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

ATJ-EN

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

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

ACC-EN

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

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

YBN-R/3

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

(Red Version - YBO-R/3 (RED) for use with CHQ-WS2 Wall sounder Beacon

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

 * *Please ensure control panel compatibility.*

ACB-EW

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

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

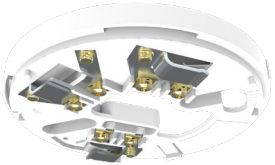
NEW

ACD-EN

Addressable Multi Sensor with CO detection
An addressable loop-powered multi-sensor, with smoke, heat and CO sensing elements.

The unit offers 24 different modes of operation* and seamlessly matches the other sensors in the ESP Range. The CO sensing element can be used to detect smoke as well as life-threatening CO levels (acting as a CO alarm).

- User selectable modes
- Low profile
- Multiple modes
- Heat, Optical and CO sensing elements
- CO Alarm (COHb) facility
- 10 year CO sensor life
- Programmable fire threshold level
- 2 colour LED (Polling: Green, Fire: RED)
- RI & LED controllable separately if required*
- Pulsing/non-pulsing controlled from panel*
- Addressed via TCH-B200 Hand Held Programmer.



YBN-R/3 (SCI)

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

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

ESP FIREbeamXTRA

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

Additional reflector kits enhance detection range.

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

CHQ-WS2

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

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

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

CHQ-WSB2*2

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

As per the CHQ-WS2 plus:

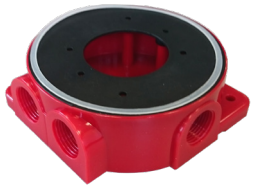
- Variable flash frequency*1
- High Intensity LED technology
- Independent control of Sounder and Beacon*1
- Auto-shutdown Mode available - can be set independently for sounder or beacon*1
- Approved to EN54-23: 2010 - Category 'O'
- Addressed via TCH-B200 Hand Held Programmer.

YBO-R/3

Is a Sounder Mounting Base which is fully compatible with Hochiki's ESP range of sounders, the CHQ-WS2 Wall Sounder and the CHQ-WSB2 Wall Sounder Beacon.

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

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



CHQ-WPK

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

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

- Fits Hochiki Standard or Isolator Base and supports ESP Sensors, Beacons and Remote Indicator
- Approved by LPCB, VdS & to SIL2.

*1 *Please ensure control panel compatibility.* *2 *Other product variants available.*

YBO-BS

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

- High Intensity LED technology
- 0.5/1 Hz flash frequency
- Addressable via TCH-B200
- High efficiency
- Operating Voltage 17-41 VDC.

YBO-BSB2*2

An Intelligent Loop-Powered Ceiling Beacon with a high-intensity LED and a custom designed free-form optic which produces a highly visible flash.

Variants available in 5m, 7.5m, 10m and 15m area coverage.

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

CHQ-CB*2

An Intelligent Loop-Powered Ceiling Beacon with a high-intensity LED and a custom designed free-form optic which produces a highly visible flash.

Variants available in 5m, 7.5m, 10m and 15m area coverage.

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

CHQ-WB*2

An Intelligent Loop-Powered Wall Beacon with a high intensity LED and a custom designed free-form optic which produces a highly visible flash.

Variants available in 5m, 7.5m and 10m area coverage.

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

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

*1 *Please ensure control panel compatibility.* *2 *Other product variants available.*

CHQ-POM

An Intelligent Powered Output Module designed to supply a nominal 24 VDC at various, user-selectable current levels from 2 to 32 mA (in increments of 2 mA).

The unit is small enough to be added to other third-party devices thereby allowing a range of equipment to be added to the ESP loop. The unit also features two monitored inputs.

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

CHQ-SIM

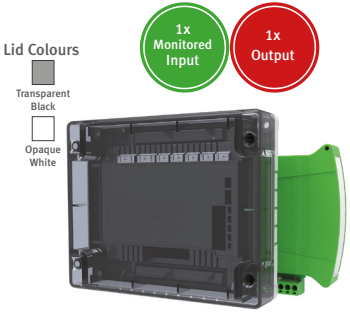
An Intelligent Single Input Module designed to allow a single monitored input to be connected to the ESP loop. This provides a compact, low-cost option where the installation of the larger CHQ 'Smart-Fix' Range of Modules might be difficult.

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

CHQ-SOM

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

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

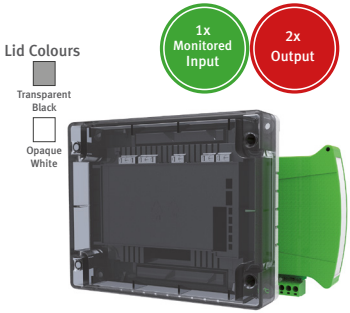


CHQ-MRC2 (SCI)

An Intelligent Mains Relay Controller providing a single mains rated relay output for the control of such devices as dampers, extractors or plant and equipment shut-down. The monitored input can be used for local power supply fault monitoring or as a general-purpose input.

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

- 1 x mains out & 1 x input
- Loop-powered
- Single loop address
- DIL switch addressable
- Single mains rated relay contact
- Relay contact rated at 250 VAC @ 5A (resistive) & 48 VDC @ 2A (resistive)
- Auxiliary monitored input
- Both models approved by LPCB.

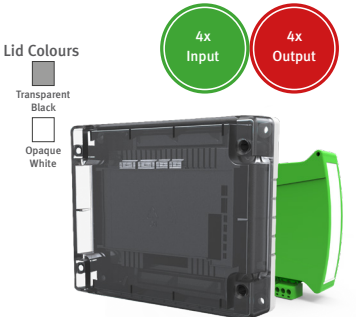


CHQ-DRC2 (SCI)

An Intelligent Dual Relay Controller designed to provide two general-purpose relay outputs, each output can be controlled independently and used to control dampers, plant and equipment shut-down. The monitored input can be used for local power supply fault monitoring or as a general-purpose input.

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

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

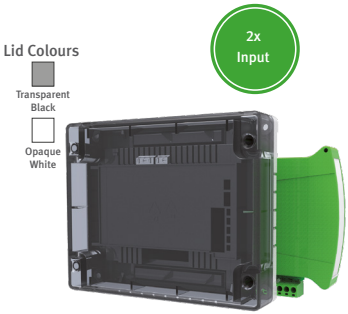


CHQ-PCM (SCI)

A Plant Control Module with four independent change-over relay outputs, with N/O and N/C volt free contacts and four inputs. These outputs can be driven separately by the fire alarm control panel and can be used for the control of devices such as dampers or for plant and equipment shut-down.

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

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

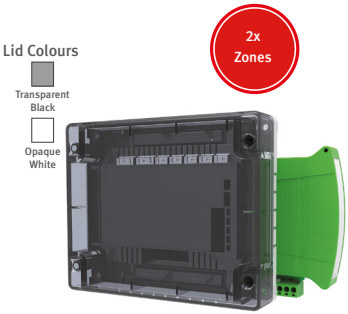


CHQ-DIM2 (SCI)

An Intelligent Dual Input Module designed to interface to a variety of inputs such as door contacts, sprinkler flow/door switches and plant equipment.

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

- Loop powered
- Single loop address
- DIL switch addressable
- Each input can be configured to operate on either an open or short-circuit.
- Both models approved by LPCB & VdS.

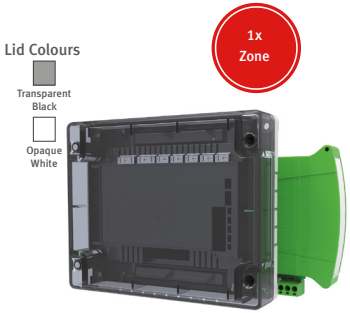


CHQ-DZM (SCI)

An Intelligent Dual Zone Module designed to allow up to 60 conventional detectors (30 per zone) or up to 6 SPC-ET (3 per zone) to be interfaced to Hochiki's ESP analogue addressable system. The unit also features Schottky and Zener line continuity options.

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

- 2 x zonal inputs
- Single loop address
- Supports two independent zones of conventional detectors
- DIL switch addressable
- Requires an auxiliary 24 VDC supply
- Both models approved by LPCB
- Deeper back box available CHQ-BACKBOX
- Both zones fully monitored for Open and Short Circuit faults.

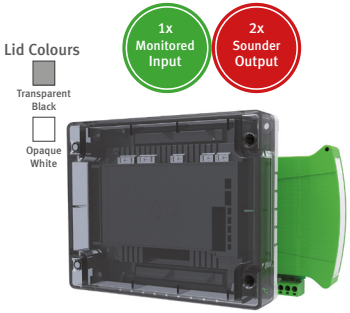


CHQ-SZM2 (SCI)

An Intelligent Single Zone Monitor designed to allow up to 6 conventional detectors or 1 beam detector to be interfaced to Hochiki's ESP analogue addressable system.

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

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

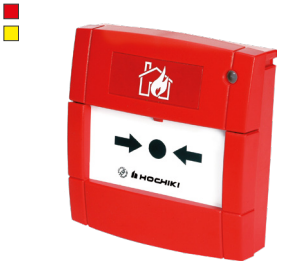


CHQ-DSC2 (SCI)

An Intelligent Dual Sounder Controller which has been designed to provide two sounder outputs (that can be driven separately) with full fault monitoring. The monitored input can be used for local power supply fault monitoring or as a general-purpose input.

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

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



HCP-E (SCI)

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

Also features plug-in wiring terminals for easy installation.

- Fast response
- Integral short-circuit isolator
- Bi-colour status LED
- Non-frangible element fitted as standard (conforms to EN54)
- Addressed with TCH-B200 Hand Held Programmer & PL-3
- Flush or surface mounted (with separate back box)
- LPCB Approved to EN54.

HCP-W (SCI)

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

Also features plug-in wiring terminals for easy installation.

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

TCH-B200

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

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

SPC-ET (HFP)

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

- 5 - 100m range
- Automatic compensation
- Automatic signal strength adjustment
- Can be interfaced onto ESP system via CHQ-DZM-SCI-(HFP) or CHQ-SZM2-SCI-(HFP)
- Approved by LPCB & VdS
- Emitter unit can be powered direct from zone (or loop).

IFD-E

A Conventional IR3 Infrared Flame Detector designed to respond to low-frequency (1 to 15Hz) flickering IR radiation emitted from flames during combustion, the unit can discriminate between flames and spurious sources of radiation such as sunlight.

An I.S. version and an explosion-proof version are also available.

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

DRD-E

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

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

LDM-519-LP

Analogue LHDC Interface

The module is designed to monitor a zonal length of Analogue Cable for both an elevated temperature (Fire) condition, and Fault Status (Open & Short Circuit).

- Adjustable Alarm set point
- LED Indication of Fire, Fault and Supply Status
- Fault Monitoring for open & short circuits
- Selectable Latching / Auto reset operation
- VFC outputs for Fire & Fault conditions
- SIL 2 Certified
- 24 volt supply required when connected to an I/O unit
- Analogue address interface, Line powered configurable
- Operable from two wire fire panel trigger circuits.

LHDC ANALOGUE CABLE

Analogue LHDC Heat Detection Cable is designed to provide early detection of fire and overheating in circumstances where other forms of detection would not be viable, either due to inability to sustain the environment requirements or through prohibitive costs.

- Adjustable Alarm set point
- Recoverable and resettable operation
- Can detect hot spots
- Zones of up to 500m in length
- Mechanical & Chemical protection available
- Easy to install
- RoHS compliant — Lead Free
- Resettable cable
- Compatible with a full range of monitoring devices.

LDM-519-DDL

Digital Interface with Distance Display is designed to monitor a length of Digital Linear Heat Detection Cable (LHDC) for both a fire condition, and fault status (open circuit).

- Test & Reset functions
- Display of Alarm Location: Distance in metres
- Fault monitoring of LHDC for open circuit conditions
- LED Indication of Fire, Fault and Supply Status
- Operable from two wire fire panel conventional circuits. Line / Low Power
- LHDC Hazardous Area use by means of intrinsically Safe Zener Barriers.
- Din Rail mounting
- Analogue address loop interfacable - Loop Powered configurable
- 4 to 20 mA instrumentation current loop output
- VFC outputs for Fire & Fault conditions - Selectable.

LHDC DIGITAL CABLE

Digital LHDC Heat Detection Cable is designed to provide early detection of fire conditionsandoverheatingincircumstances where other forms of detection would not be viable, either due to an inability to sustain the environment requirements or through prohibitive costs.

- UL Listed
- SIL 2 Certified
- Non-resettable cable
- Early Detection of hazards at temperatures well below flame point
- Rugged construction—Stainless Steel outer sheath available
- Fixed Alarm Trigger Temperature
- Compatible with many existing zone monitors/ Control Equipment
- Intrinsically Safe Configurable for Hazardous Areas.

FIRElink-25

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

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

FIRElink-100

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

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

FIRElink-400

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

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

FIRElink-400CM

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

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

Your Safety Our Technology

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