

FIRE DETECTION SYSTEMS

Your Safety. Our Technology.



MARINE FIRE DETECTION



All marine fire detection products have been approved by either Lloyds Register or Germanischer Lloyd. They are ideal for marine use, such as on ships and oil rigs.



ALG-ENM

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



- Removable, High Performance Chamber
- Twin fire LEDs allow 360° viewing
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- Pulsing/non-pulsing controlled from panel*
- Approved to MED by GL

** Please ensure Control Panel compatibility*



ACB-EM

A **Marine Approved Analogue Addressable Multi-Heat Sensor** incorporating a variable fixed temperature heat element and a rate of rise heat element, both controlled from the Control Panel allowing either thermal element or both elements simultaneously to be active in making the fire decision.



- User selectable modes
- Incorporates fixed temperature and rate of rise heat elements
- Twin fire 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*

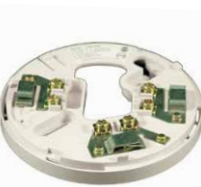


DRD-EM

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.



- 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



YBN-R/3M

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.



- Electronics free
- Supports ESP marine approved sensors
- Stainless steel contacts
- Takes 2.5mm² 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

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.



- 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)

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



- Loop powered
- Single loop address
- Two independent inputs for monitoring of volt-free contacts
- Each input can be configured to monitor either normally open or normally closed contacts
- Features an integral Short-Circuit Isolator
- Approved to MED by GL



CHQ-DRC/M (SCI)

A **Marine Approved Analogue Addressable Dual Relay Controller** designed to provide two general-purpose relay outputs, each output can be controlled independently and used to control dampers, plant and equipment shutdown. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. Features an integral Short-Circuit Isolator.



- Loop powered
- Single loop address
- Two independently controlled changeover relays
- Relays contact rated at 30 Vdc at 1 amp
- Auxiliary monitored input
- Features an integral Short-Circuit Isolator
- Approved to MED by GL



CHQ-DSC/M (SCI)

A **Marine Approved Analogue Addressable Dual Sounder Controller**, which has been designed to provide two sounder outputs (that can be driven separately) with full fault monitoring. The monitored input can be used for local power supply fault monitoring or as a general-purpose input. Features an integral Short-Circuit Isolator.



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



CHQ-SZM/M (SCI)

A **Marine Approved Analogue Addressable Single Zone Monitor** designed to allow up to 6 marine approved conventional detectors to be interfaced to Hochiki's Analogue Addressable system. Features an integral Short-Circuit Isolator.



- Loop powered
- Up to 6 conventional detectors
- Single loop address
- Remote LED output
- Fully monitored for short and open circuit faults
- Features an integral Short-Circuit Isolator
- Approved to MED by GL



HCP-EM

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).

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



SLR-E3NM

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

- High Performance Chamber
- Remote indicator output
- Wide voltage range (9.5 ~ 30 Vdc)
- Low profile design with one piece outer cover
- Twin fire LEDs allow 360° viewing
- One master base
- Approved by LPCB, LR and GL



DCD-AE3M

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

- Electronic linear heat detection
- Remote indicator output
- Wide voltage range (9.5 ~ 30 Vdc)
- Twin fire LEDs allow 360° viewing
- Approved by LPCB, LR and GL



DCD-CE3M

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

- Electronic linear heat detection
- Remote indicator output
- Wide voltage range (9.5 ~ 30 Vdc)
- Twin fire LEDs allow 360° viewing
- Approved by LPCB, LR and GL



YBN-R/6M

A **Marine Approved Conventional Detector Mounting Base** for the CDX marine approved range of detectors and fully compatible with the majority of existing conventional fire alarm Control Panels.

- Integral remote indicator output
- Low profile, only 8mm
- Rugged design
- Electronics free
- Quick connections via square cable clamps
- Accepts 2.5mm² cables
- Bayonet slot, low insertion force for detectors
- Approved by LR and GL



MBB-1

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.

- 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)



A105N ALARM SOUNDER

The **A105N** is a high output, 112dB(A) alarm sounder. Low current consumption and high SPL in a robust fire retardant IP66 housing ensure the A105N is suitable for all general signalling applications including fire, security and process control.

- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.
- Marine Equipment Directive (MED) Certificate: 19 702 – 11 HH



A112N ALARM SOUNDER

The **A112N** is a high output, 119dB(A) alarm sounder. High SPL in a robust fire retardant IP66 housing ensure the A112N is suitable for all general signalling applications including fire, security and process control.

- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.
- Marine Equipment Directive (MED) Certificate: 19 702 – 11 HH



BEXS110/BEXDS110 ALARM SOUNDER

The flameproof **BExS110 alarm sounders** are suitable for Zone 1 & Zone 2 applications and the BExDS110 sounders also for Zone 21 & 22. Sound level outputs are up to 117dB(A) at 1 metre with a choice of 32 alarm tones and 3 remotely selectable stages. The BEx range features enclosures manufactured from corrosion proof, marine grade copper free LM6 aluminium which is phosphated and powder coated. The re-entrant flare horns are high impact, fire retardant ABS. All models have two M20 cable entries, large termination areas containing in & out terminals (Ex de version only) and an ingress protection of IP66/67 (Ex d) and IP66 (Ex de).

- Automatic synchronisation on multi-sounder system.
- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- IN & OUT terminals (Ex de version only).
- Marine Equipment Directive (MED) Certificate: 19 702 – 11 HH



ANALOGUE

Hochiki's Analogue range incorporates a variety of high performance sensors, modules and ancillary devices to increase the ease of routine maintenance and commissioning. Enhanced System Protocol (ESP) applies Hochiki's high integrity communication link to all products in the range.



CONVENTIONAL

Hochiki's Conventional range covers one of the most extensive product portfolios, and provides solutions for most conventional fire detection applications, as well as security systems due to its wide voltage range (9.5 - 30 Vdc).



INTRINSICALLY SAFE & MARINE

For demanding environments, Hochiki has a range of industrial, intrinsically safe and explosion proof conventional products, as well as a marine product range that encompasses options to match both Analogue and Conventional products ranges.



WIRELESS

Hochiki also caters for hybrid sites with the firewave range which integrates wireless technology into Hochiki's Analogue hardwired system to provide maximum flexibility and meet specific site requirements.



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