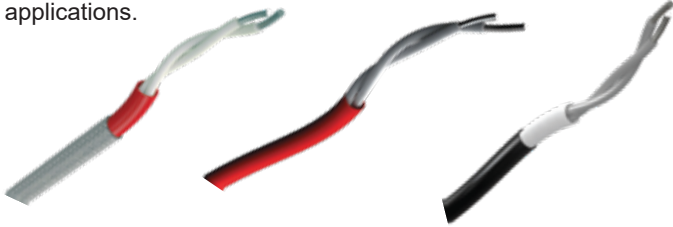


SIGNALINE FT

Product Overview

Signaline FT is a market leading range of fixed temperature (digital) Linear Heat Detection cables. Approved to UL, cUL and FM standards, Signaline FT linear heat detection cables provide affective heat detection for a wide range of applications.



Features

- Easy, low-cost installation
- FM, UL cUL approved
- 3000m maximum zone length
- 5 different alarm temperatures
- Zero maintenance
- Compatible with Addressable and Conventional systems
- Hazardous area compliant
- UV and chemical resistant variants
- Increased protection with stainless steel variants

Part Ref.	Alarm Temp. (°C)	Max. Ambient Temp. (°C)	Outer Sheath Material	Colour	Overall Dia. (mm)	Approval
FT68	68	45	PVC	Red	3.5	cUL/UL/FM/KFI
FT68R	68	45	Chemical Resistant Nylon	Black	4.5	cUL/UL
FT88	88	70	PVC	White	3.5	cUL/UL/FM/KFI
FT88R	88	70	Chemical Resistant Nylon	Black		cUL/UL
FT105	105	85	PVC	White	3.5	cUL/UL/FM
FT105R	105	85	Chemical Resistant Nylon	Black	4.5	cUL/UL
FT185R	185	125	Chemical Resistant Nylon	Red	3.6	cUL/UL
FT230X	230	170	Chemical Resistant	Green Rubber	5	cUL/UL

SIGNALINE LocatorPlus

Product Overview

UL Approved, the Signaline LocatorPlus is a revolutionary controller and alarm locator for Signaline FT range of Linear Heat Detectors.

Housed in an IP66 enclosure the Signaline LocatorPlus is capable of monitoring 2 separate zones of Signaline FT, with up to 3000m of cable per zone. Signaline LocatorPlus will give exact alarm location, via it's LCD display, of any over heat along either zone of cable.

It is compatible with either conventional, addressable or extinguishing fire systems via the alarm relay contacts and offers further connectivity via the MODBUS output.

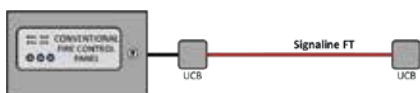
The Signaline LocatorPlus also offers two operating functions; Independent or Interlocking mode. When set to Independent, if either zone of cable alarms this is immediately reported via the relays to the control panel. Alternatively Interlocking will wait for both lines of cable to be in alarm before triggering the relays.

Features

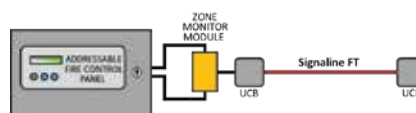
- IP65
- Alarm temperature: 68°C, 88°C, 105°C, 185°C and 230°C
- Approvals: UL, CE



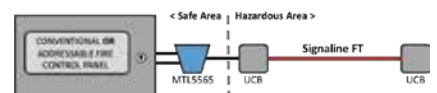
Conventional Systems



Addressable Systems



Hazardous Areas



SIGNALINE Universal Connector Box || Model Nos. Signaline UCB

Features

- Compatible with Signaline HD & FT
- IP66
- EOL, junction box, or interposing line unit
- Resistant to most acids, alkalis & oils
- ** This product is not suitable for use with Signaline-185-R.



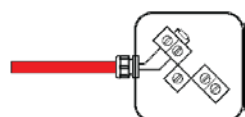
Product Overview

The Signaline Universal Connector Box (Signaline UCB) is suitable for use with all variants of Signaline FT-68, FT-88, FT-105 and HD.

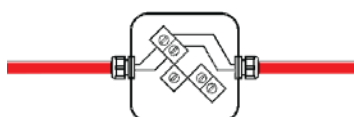
A UCB can be used as an end of line enclosure, junction box or an interposing line unit (see right). It is supplied with cable glands, 1x terminal block, 1x 470Ω resistor and 1x 680Ω resistor.

Included resistors allow Signaline FT cable to be connected directly to the zone terminals of most conventional fire control panels.

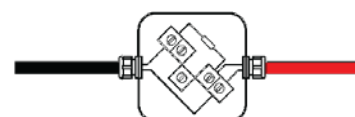
Signaline FT/HD
 Lead in cable



End of line enclosure*



Junction box



Interposing line unit (Signaline FT only)

SIGNALINE Ex Junction Box and End of Line

Product Overview

Signaline UCB-EX is a multipurpose Ex Enclosure for Signaline FT-EN and FT. A Signaline UCB-Ex can be used as an end of line unit or junction box.

Features

- Suitable for Hazardous area
- Approvals: ATEX, CE, IECEx



SIGNALINE Auto Cable Collector

- IP66
- Approvals: ATEX, IECEx, CE



SIGNALINE Barrier in Hazardous Area || Model Nos. MTL7761AC, MTL5561

MTL7761AC Zener Barrier	MTL5561 Galvanic Isolator
Standard DIN rail mount	Standard DIN rail mount
Removable, colour-coded terminals	Dual Channel Isolator
Signaline FT-EN *	Signaline FT *
*Recommended by manufacture	



SIGNALINE Auto Cable Collector

Signaline P Clip



Signaline L Clip



Signaline V Clip



Signaline J Clip



Signaline T Clip



Signaline P Clip with L Bracket Extension



Part Number		FT-68	FT-88	FT-105	FT-185	HD
Edge Clip	SL-FX/4H24	Yes	Yes	Yes	Yes	Yes
A Clip	SL-FX/A	Yes	Yes	Yes	No	Yes
J Clip	SL-FX/J	Yes	Yes	Yes	Yes	Yes
K Clip	SL-FX/K	No	No	No	No	Yes
P Clip	SL-FX/P	Yes	Yes	Yes	Yes	Yes
T Clip	SL-FX/T	Yes	Yes	Yes	No	Yes

Signaline A Clip



Signaline Retractable Cable



SIGNALINE FT-EN

Features

- EN54 part 28 approved by UL EU
- Up to 1km per detection zone
- UV and Chemically Protected
- Compatible with Addressable and Conventional fire detection systems
- Easy set up with no special programming or tools
- Exact alarm location identification
- Zero on-going maintenance



Signaline FT-78-EN



Signaline FT-88-EN

Common Specification	Signaline FT-78-EN	Signaline FT-88-EN
Max reel length	500m (sold in 50m increments, MOQ = 50m)	500m (sold in 50m increments, MOQ = 50m)
Alarm temperature	78°C (155°F)	88°C (190.4°F)
Max ambient temp.	45°C (113°F)	65°C (149°F)
Min. ambient temp	-40°C (-40°F)	-40°C (-40°F)
Max voltage	74 V dc or 49 V ac	
Humidity	0% to 98% RH	
Insulation	1kV tested protective outer coating	
Tensile strength	1700 N/mm ²	
Weight	16kg/ 500m	
Outer sheath	UV & chemical resistant sheath	
Colour	Red	White
Approvals	EN54 and UL	

Product Overview

Signaline FT-EN, approved to EN54 part 28, is a fixed temperature Linear Heat Detector cable. Fixed Temperature Linear Heat Detectors detect a build-up of heat anywhere along their length. When any point along the length of the cable reaches a predetermined temperature an alarm is initiated.

Signaline FT-EN cables are ROHS compliant, Low Smoke Zero Halogen (LSZH) and have a UV stable and chemical resistant coating meaning they can be used in even the harshest of environments.

The Signaline LocatorPlus-EN Linear Heat Detection controller monitors two zones of Signaline FT-EN with up to 1000m per zone. The Signaline LocatorPlus-EN comes in an IP65 rated enclosure allowing for field mounting. As well as fire and fault outputs, it can also be connected directly to building management systems via the MODBUS connection.

Two Spring steel cores intertwined together

Heat sensitive polymer as insulator; with specific twist ratio

New Polymer extrusion: LSZH, UV stable, Oil Resistant, Flame Retardant, optional stainless steel braid



Signaline LocatorPlus-EN

Linear Heat Detection Controller

- IP65
- EN54 part 28 approved
- ModBus Output
- LCD display
- LED alarm and fault indication
- Easy set up
- Low Power consumption



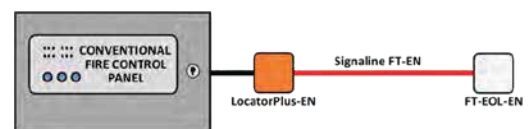
Signaline FT-EOL-EN

Linear Heat Detector End of Line Unit

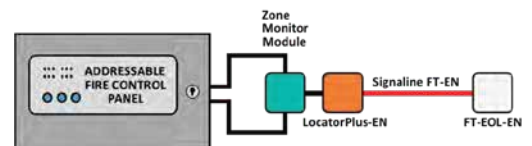
- IP66
- EN54 part 28 approved
- Terminates two detection zones
- Built-in test and fault switches



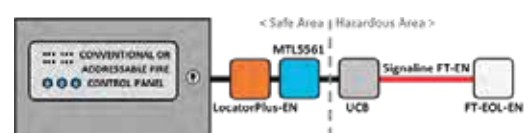
Conventional Systems



Addressable Systems



Hazardous Areas



System overview

Features

- Easy installation
- Long alarm zones
- Quick alarm activation
- Robust detection cable
- No ongoing maintenance
- Up to 1000m of detection cable per zone
- Compatible with Addressable or Conventional Fire Detection Systems
- Easy setup with no special tools required



Product Overview

Signaline Water is a simple and reliable solution for water detection. The Signaline Linear Water Detection cable continuously monitors for the presence of water providing fast and accurate alarm of water leak, ingress or flood events. Designed to be integrated into a wider building management system or as a standalone system, Signaline Linear Water Detection can play a vital role in securing critical assets from water damage.

Signaline WD Linear Water Detection Cable || Model Nos. CSSIGWD003

Features

- Plug and Play installation
- IP67 connectors
- Up to 1000m single zone
- Zero maintenance



Product Overview

Signaline WD Water Detection Cable is a unique 4 core wisted cable that is tightly bound in a nylon fishnet braid, enabling water to easily come into contact with the sensitive elements of the cable. Two of the cores provide low voltage and low current power to the circuit while the other 2 cores are sensitive to the presence of water.

Signaline WDM-KM Linear Water Detection Monitor || Model Nos. CSSIGWC002

Features

- Plug and Play installation
- IP67 enclosure
- Can monitor 1000m of cable
- Low current consumption



Product Overview

The Signaline WDM-KM is a completely sealed compact device that monitors the Signaline WD Water Detection cable. The Signaline WD Water Detection Cable simply plugs into a socket on the Signaline WDM-KM for a secure and reliable connection.

Signaline Water Detection Control Panel || Model Nos. CSSIGWP001, CSSIGWP003

Features

- Simple installation and programming
- Can monitor up to 4000m of detection cable
- Quick alarm identification
- Battery back-up
- Sounder and relay outputs



Product Overview

Our Signaline Water Detection Control Panels provide a complete solution in circumstances where a fully monitored system is required. Available in a small compact enclosure, the Signaline Water Detection Control Panel comes in either 2 or 4 zones.

Signaline WIB || Model Nos. CSSIGWB001

Features

- IP67
- Easy installation
- All-in-One connection solution

Product Overview

The Signaline WIB (Water Interposing Box) provides a convenient means of interfacing the Signaline WDMKM with a Signaline Water Detection Control Panel. One Signaline WIB is required per zone.



Signaline Water Lead-in Cable

Features

- Plug and Play connections
- IP67 connectors

Product Overview

Site layouts often mean that the Signaline DM-KM must be placed in a control room or with other detection devices. This means the sensor cable cannot be plugged directly into the monitor. Where this situation occurs Signaline can supply a terminated 10m length of non-sensing lead-in cable.

SYNCRO ASM Marine & Offshore Analogue Addressable Control Panel *by Kentec*

Product Overview

Suitable for all small to medium sized vessels, it is compatible with marine approved devices manufactured by Apollo Fire Detectors and Hochiki. Syncro ASM provides a cost effective and scalable solution for all marine fire alarm systems.

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



Features

- Expandable from 1 to 2 loops
- Network up to 64 panels
- 2 programmable sounder circuits
- 5 programmable inputs
- 3 programmable relays
- 3A power supply
- Powerful cause and effects
- Sensitivity adjustment and Drift Compensation
- Compatible with View Marine repeaters
- Supports Apollo and Hochiki protocols
- Stores 500 last events in event log
- Installer friendly, removable equipment chassis
- Different language and character set variants available
- Approved and certified to EN54-2/ EN54-4

Product Code	Protocol	Zones	Loops
MA80161M2	Apollo	16	1
MA80162M2	Apollo	16	2
MH80161M2	Hochiki	16	1
MH80162M2	Hochiki	16	2

SYNCRO VIEW MARINE *by Kentec*

Product Overview

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

Up to 15 Syncro View Marine annunciators can be connected to each control panel on the Syncro ASM network



Features

- Marine and Offshore Local LCD Control Panel Repeaters
- Up to 15 annunciators can be connected to each Syncro ASM fire control panel.
- Large liquid crystal display (240 x 64 pixels)
- High brightness LED indications
- Internal sounder
- Replicates all Syncro ASM panel controls
- Simple, two-wire serial connection
- Small, Syncro style enclosure
- Removable electronics for easy installation
- 24V DC or 230V AC power options

Product Code	Description	PSU
MK67000M1	Syncro View Marine repeater panel	-
MK67750M1	Syncro View Marine repeater panel	750mA
MK67001M1	Syncro View Marine repeater panel c/w enable keyswitch	-
MK67751M1	Syncro View Marine repeater panel c/w enable keyswitch	750mA
MK67000AM1	Syncro View Marine repeater panel (24v model flat plate fascia, space saving model)	-
MK67001AM1	Syncro View Marine repeater panel (c/w enable keyswitch - 24v model flat plate fascia, space saving model)	-

SYNCRO ASM expansion boards *by Kentec*

Product Code	Description
S737	Voyage Data Recorder Interface PCB
K545	4 Way Conventional Detection Zone Module
K586A	Kentec Syncro AS Loop Expansion Card (Apollo Protocol)
K586H	Kentec Syncro AS Loop Expansion Card (Hochiki Protocol)
K555	Kentec Syncro Net Fault Tolerant Network Interface Card
M2FCLGT	Kentec Semi Flushing Collar (M2 Size Cabinets)
M1FCLGT	Kentec M1 Size Semi Flush Collar (M2 Size Cabinets)



ACC-ENM by Hochiki

Features

- Multi-Sensor Photoelectric/Heat - Ivory
- User selectable modes
- Incorporates Optical & Heat elements
- Pulsing/non-pulsing controlled from panel
- Variable sensitivity
- Electronically Addressed
- LPCB & VdS approved to classes A1 & C, Approved to MED by GL



ALN-ENM by Hochiki

Features

- Photoelectric Smoke Sensor - Ivory
- Twin LEDs allow 360° viewing
- Locking mechanism (sensor to base)
- Variable sensitivity
- Electronically addressed
- LPCB & VdS approved to classes A1 & C, MED by GL, SIL Level 2



ATJ-ENM by Hochiki

Features

- Multi-Heat Sensor - Ivory
- User selectable modes
- Incorporates Fixed Temperature and Rate of Rise Heat elements
- Twin LEDs allow 360° viewing
- Electronically Addressed
- LPCB & Vds approved to Classes A1, B & C **, MED by GL, SIL Level 2



YBN-R/3M by Hochiki

Features

- Sensor Mounting Base (Ivory)
- Electronics free
- Stainless steel contacts
- Takes 2.5 mm² cables
- Slim profile - only 8 mm
- Facility for remote indicator
- Approved to MED by GL



CHQ-DIM2M(SCI) by Hochiki

Features

- Dual Input Module with SCI
- Single Loop Address
- Loop Powered
- 2 Independent Inputs
- Each Input can be Configured to Monitor either Normally
- Open or Normally Closed contacts
- Approved by DNV GL



CHQ-DRC2M(SCI) by Hochiki

Features

- Dual Relay Controller with SCI
- Single Loop Address
- Loop Powered
- 2 Independently Controlled Changeover relays
- Relays Contact
- Auxiliary Monitored Input
- Approved by DNV GL



CHQ-DSC2/M(SCI) by Hochiki

Features

- Dual Sounder Controller with SCI
- Single Loop Address
- Each alarm circuit fused at 1 amp
- Two independent sounder circuits
- Auxiliary Monitored Input
- Approved to MED by GL, DNV GL



CHQ-DZM/M(SCI) by Hochiki

Features

- Dual Zone Monitor with SCI
- Single Loop Address
- Supports two independent zones
- 2 Independent Inputs
- Requires an auxiliary 24V dc supply
- Approved by DNV GL



CHQ-SZM2/M(SCI) by Hochiki

Features

- Single Zone Monitor with SCI
- Single Loop Address
- Up to 6 Conventional Detectors
- Remote LED output
- DIN rail version available
- Both models feature an integral short-circuit isolator
- Both models approved by LPCB & VdS, MED by GL, GL Type approval



HCP-EM(SCI) by Hochiki

Features

- Addressable Manual Call Point with SCI (Red)
- SIL Level 2 approved variant available
- Ideal for use in oil and gas environments
- Integral short-circuit isolator
- Bi-coloured status LED
- Addressed with TCH-B200 Hand Held Programmer
- LPCB Approved to EN54, MED by GL



DCD-AE3M Combined Heat Detector by Hochiki

Features

- Fixed temp & rate or rise 60°C
- Wide voltage range (9.5 - 30Vdc)
- Rate of rise heat detector
- 60°C heat sensing element
- Remote indicator output
- MED and DNV approved



DCD-CE3M Combined Heat by Hochiki

Features

- Fixed temp & rate or rise 90°C
- Wide voltage range (9.5 - 30Vdc)
- Rate of rise heat detector
- 90°C heat sensing element
- Remote indicator output
- MED and DNV approved



DRD-EM IR Flame Detector by Hochiki

Features

- Up to 25m range
- Single IR technology
- Fits standard MED base
- Remote indicator output
- MED and DNV approved



YBN-R/6-M Standard Base by Hochiki

Features

- Accepts 2.5mm cables
- Electronics free
- Small 8mm profile
- MED and DNV approved
- Integral remote indicator output



SOC-E-IS IS Smoke Detector by Hochiki

Features

- ATEX Classification to: Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)
- Removable, high performance chamber
- Remote indicator output
- MED and DNV approved



DCD-1E-IS IS Heat Detector by Hochiki

Features

- Rate of rise heat detector
- 60°C fixed temperature element
- Suitable for category 1
- ATEX Classification to II 1G EEx ia IIC T5 Tamb=55C
- MED and DNV approved



YBN-R/4(IS) IS Detector Base by Hochiki

Features

- Accepts 1 to 2.5mm cables
- Electronics free
- Small 8mm profile
- MED and DNV approved
- Dedicated cable screen terminal



Deckhead Mounting Box by Apollo

Features

- Compatible with all Apollo marine bases
- Protects against water ingress and provides improved performance
- Ideal for bulkhead fixing



MBB2 Deckhead Mounting Box by Hochiki

Features

- Compatible with both Apollo and Hochiki bases
- 4 cable entry holes suitable for cable glands (2 glands supplied)

- Ivory or white colours available
- Provides moisture and dust resistant fixing
- Ideal for bulkhead fixing
- Approved by LR and DNV GL



MCP1A Indoor Call Point by KAC

Features

- IP24D
- Up to 30Vdc
- -10°C to +55°C
- Two-wire supply
- ABS



WCP1A Weather Resistant Call by KAC

Features

- IP67
- Up to 30Vdc
- -25°C to +70°C
- Two-wire supply
- ABS
- Flush or surface mounted



HCP-WM(SCI) by Hochiki

Features

- Weatherproof Addressable Manual Call Point with SCI (Red)
- Integral short-circuit isolator
- Addressed with TCH-B200 H
- IP67 rated
- LPCB approved to EN54, GL and MED



YBN-R/6M by Hochiki

Features

- BASE - CONVENTIONAL MARINE
- Integral remote indicator output
- Low Profile, only 8 mm
- Rugged design, electronics free
- Accepts 2.5 mm² cables
- Approved to MED by GL



VTB

Features

- Sounder & Visual Indicating Device
- 99dB(A) - 1Hz LED \ \ • 24Vdc
- 32 tones, 2 stage alarm
- IP21C(shallow)/IP33C(deep)
- Lens: amber/red
- MED approved



VTG

Features

- Sounders
- 102dB(A) \ \ • 24Vdc
- 32 tone, 2 stage alarm
- IP21C(shallow) or IP33C(deep)
- Red or white
- MED approved



SONFL1X

Features

- 100dB(A) \ \ 1Hz Xenon strobe
- 10 tones, 2 stage alarm
- IP66
- 12Vdc/24Vdc/115Vac/230Vac
- MED and DNV approved



AL105NX

Features

- 113dB(A) \ \ 1Hz Xenon strobe
- 64 tones, 4 stage alarm
- IP66
- 24Vdc/28Vdc /24Vac/115Vac/230Vac
- MED and DNV approved



AL112NX / AL121X

Features

- 120dB(A) / 124 db(A)
- 1Hz Xenon strobe
- 64 tones, 4 stage alarm
- IP66
- 12Vdc/24Vdc/48Vdc /24Vac/115Vac/230Vac
- MED and DNV approved



SONF1

Features

- 100dB(A)
- 10 tones, 2 stage alarm
- IP66
- 24Vdc
- Red, white or grey
- MED and DNV approved



A105N

Features

- 113dB(A)
- 64 tones, 4 stage alarm
- IP66
- 24Vdc/48Vdc/115Vac/230Vac
- MED and DNV approved



A112N

Features

- 120dB(A)
- 64 tones, 4 stage alarm
- IP66
- 24Vdc/48Vdc/115Vac/230Vac
- MED and DNV approved



A121

Features

- 124 db(A)
- 64 tones, 4 stage alarm
- IP66
- 12Vdc/24vdc/48vdc /115Vac/230Vac
- MED and DNV approved



BEXS110D

Features

- 110dB(A)
- 32 tones, 3 stage alarm
- IP66 & 67 (third party tested)
- 24Vdc
- Explosion proof
- MED and DNV approved



FireFinder Marine Multi-Loop Addressable Fire Control

Product Overview

FireFinder Marine is an Intelligent Analogue Addressable Fire Alarm Control Panel that is available in 1 to 4 loop panel options. The FireFinder Marine is suitable for small to medium sized vessels and is compatible with Apollo Discovery Marine Detectors.

Features

- Fully expandable
- 1-4 loops
- Large graphic display
- 4 programmable monitored inputs
- 4 programmable monitored sounder outputs
- 5 programmable relays
- 2 auxiliary power outputs
- Networkable
- High level graphics interface
- Modbus interface
- Programmable muster alarm
- Fully EN54-2 and EN54-4 approved



FireFinder Marine Network Repeater

Product Overview

Connected to the FireFinder Marine high integrity network, the Repeater is designed to remotely display the fire alarm control system status allowing the interrogation of all system alarms, faults and disablements.

Features

- LCD display with event log
- Optional flush mount enclosure
- Multiple repeaters on single system possible



FireFinder Marine Network Interface Board

Product Overview

The Network Interface Board allows up to 99 FireFinder Marine panels to be networked together.

The network is capable of withstanding an open or short circuit fault without the loss of communications to any panels.

The network operates as a peer-to-peer network, with all device state changes shared over the network.



Features

- Enables multiple panels and repeaters to be networked
- Fault tolerant network connection
- Easy installation with 2-wire connections

FireFinder Marine 8-Zone Conventional Board

Product Overview

The 8 Zone Conventional Board has been designed to interface with AMPAC's range of fire alarm control panels. The board supports 8 conventional zones and connects to the fire panel via the internal dedicated RS485 communications port.



Features

- Each zone accommodates up to 40 Apollo Marine Orbis conventional detectors
- Can be programmed to function in one of the following modes:
 - Normal (latching)
 - Non-latching/Self Reset

FireFinder Marine Universal High Level Interface Board

Features

- Voyage Data Recorder (VDR) interfacing - converts system status, alarms and events to NMEA 0183 Standard compliant strings
- SmartView Graphical Event management system interface
- Modbus output



Product Overview

The High Level Interface (HLI) Expander Board provides the ability for the FireFinder Marine fire panel to interface to a range of systems using common communication protocols.

Esento Marine 2-4 Zone

Product Overview

These panels have been designed to minimise labour costs by providing sample space for tasks such as wiring and changing batteries.

Simple colour coded buttons give the user confidence in correctly managing their fire alarm system and the one person walk tests will help reduce the cost of maintaining the system.



Features

- 2 or 4 zones
- Inputs for sounder ringing & pulsing
- Fire & fault relays
- 2 monitored sounder circuits
- Earth fault monitoring
- One person walk test
- Integral 1.25 Amp switch mode PSU
- Space for up to 3.2Ah batteries
- False alarm management modes
- Muster alarm
- 12 month warranty

Esento Marine 8-12 Zone

Features

- 8 - 12 zones
- Integral 2.5 Amp switch mode PSU
- Space for up to 7Ah batteries
- Programmable inputs
- Programmable relays & outputs
- Up to 6 monitored sounders
- Modular expansion zone cards available



- 3 false alarm management modes
- Muster alarm
- Zonal programming
- Programmable output delays
- Supports up to 8 repeater panels
- 12 month warranty

Esento Marine 12-Way Repeater Panel

Product Overview

The Esento Marine repeater panel has the same intuitive controls and indications as the main control panel but mounted in a smaller cabinet. The repeaters are fully functional with 'Silence', 'Resound' and 'Reset' controls, as well as 'Disable' and 'Test Mode' functions. Up to 8 repeater panels can be supported on a Esento 8-12 zone system.



Features

- 12 zonal fire & fault indications
- Class change & pulsing inputs
- Programmable outputs
- Fully functional or passive
- Test mode & disablement functions
- Integral 1A switch mode PSU

Esento Marine Network Comms Card

Product Overview

This comms card simply plugs in on top of the main circuit board of the control panel to allow up to 8 control panels to be networked. In addition to the control panels up to 8 repeater panels or remote display units can also be added to the network.



Features

- Network up to 8 control panels
- Up to 8 additional repeater panels on the network
- Card includes 6 programmable switch –ve outputs

Esento Marine VDR Card

Product Overview

Esento Marine VDR allows the connection between the conventional fire detection system and the ships voyage data recorder.

This simple plug-in card is easy to connect and provides data in accordance with IEC 61162-1 Ed.3



Features

- Data Output: RS485, ASCII characters, BAUD rate: 4800, data bits 8 (D7=0), parity 0, stop bits 1
- Designed to: IEC 61162-1 Ed.3

Orbis Optical Smoke *by Apollo*

Features

- Wide voltage range (8.5 - 33Vdc)
- Optical smoke detector
- IP23D
- 4 second sampling frequency
- Approved to MED, DNV, KRS, LR, CCS, BV and ABS



Orbis Multisensor Detector *by Apollo*

Features

- Wide voltage range (8.5 - 33Vdc)
- Thermistor and optical smoke detector
- IP23D
- 4 second sampling frequency
- Approved to MED, DNV, KRS, LR, CCS, BV and ABS



Orbis Heat Detector *by Apollo*

Features

- Wide voltage range (8.5 - 33Vdc)
- Heat detector (thermistor)
- IP23D
- 4 second sampling frequency
- Approved to MED, DNV, KRS, LR, CCS, BV and ABS



Series 65M U.V. Flame Detector *by Apollo*

Features

- Compact UV Flame Detector
- Base Mounted
- Sensitive to UV spectrum for early detection
- Approved by CCS, ABS and MED



Time Saver Base *by Apollo*

Features

- Grouped terminals to make wiring easy
- Detector locking mechanism
- Decrease installation time
- Approved to MED, DNV, KRS, LR, CCS, BV and ABS



Time Saver Relay Base *by Apollo*

Features

- Grouped terminals to make wiring easy
- Detector locking mechanism
- Decrease installation time
- Relay output
- Approved to MED, DNV, KRS, LR, CCS, BV and ABS



Series 65 Base *by Apollo*

Features

- For use with Series 65 Marine UV flame detector
- Easy installation
- Approved by CCS, ABS and MED



Orbis IS Optical Smoke *by Apollo*

Features

- 14 - 28Vdc
- Optical smoke detector
- IP23D
- 4 second sampling frequency
- Approved to ATEX, IECEX, MED, DNV, KRS, LR, CCS, BV and ABS



Orbis IS Multisensor Detector *by Apollo*

Features

- 14 - 28Vdc
- Thermistor and optical smoke detector
- IP23D
- 4 second sampling rate
- Approved to ATEX, IECEX, MED, DNV, KRS, LR, CCS, BV and ABS



Orbis IS Heat Detector *by Apollo*

Features

- 14 - 28Vdc
- Heat detector (thermistor)
- IP23D
- 4 second sampling rate
- Approved to ATEX, IECEX, MED, DNV, KRS, LR, CCS, BV and ABS



Orbis IS Time Saver Base *by Apollo*

Features

- Grouped terminals to make wiring easy
- Detector locking mechanism
- Decrease installation time
- Approved to ATEX, IECEX, MED, DNV, KRS, LR, CCS, BV and ABS



SOC-E3NM Smoke Detector *by Hochiki*

Features

- Wide voltage range (9.5 - 30Vdc)
- Removable chamber
- Remote indicator output
- MED and DNV approved



Discovery Optical Smoke Detector *by Apollo*

Features

- IP44
- Unaffected by wind or atmospheric pressure
- Suitable for bedrooms, escape routes
- Approved by Lloyd's Register, DNV, ABS, MCA, BV, MED



Discovery Multisensor Detector *by Apollo*

Features

- IP44
- High immunity to false alarms
- Optical smoke and thermistor emperature sensors
- Approved by Lloyd's Register, DNV, ABS, MCA, BV, MED



Discovery Heat Detector *by Apollo*

Features

- IP54
- Rate-of-rise/static
- Ideal in dirty/smoky environments
- Approved by Lloyd's Register, DNV, ABS, MCA, BV, MED



Discovery Addressable Base *by Apollo*

Features

- XPERT Addressing
- One way fit
- Locking feature
- Stainless steel contacts
- Approved by DNV, ABS and MED



XP95 IS Optical Smoke Detector *by Apollo*

Features

- IP23D
- 'Light scatter' optical detection
- Intrinsically safe (suitable for zone 0)
- Approved by Lloyd's Register, DNV, ABS, MCA, BV, MED



XP95 IS Heat Detector *by Apollo*

Features

- IP23D
- Rate of rise/static
- Intrinsically safe (suitable for zone 0)
- Approved by Lloyd's Register, DNV, ABS, MCA, BV, MED



XP95 IS Addressable Base *by Apollo*

Features

- XPERT Addressing
- One way fit

- Locking feature Stainless steel contacts
- Approved by DNV, ABS and MED



Waterproof Manual Call Point *by Apollo* Discovery Marine

Features

- MED approval
- IP67
- 17-28Vdc
- -20°C to +60°C
- Two-wire supply
- Polycarbonate/ABS
- Flush or surface mounted



Addressable Call Point *by Apollo* Discovery Marine

Features

- MED approval
- IP24D
- 17-28Vdc
- -20°C to +60°C
- Two-wire supply
- Polycarbonate/ABS
- Flush or surface mounted

