Marine Fire Detection
Product Brochure

Marine and offshore

Audio visual signalling

Fire detection

Hazardous area

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About us

Formed in 1988, we are proud to be an independent service orientated company. LGM Products has an enduring commitment to customer service excellence and product quality combined with high standards of safety and business ethics.

What we do

LGM Products is a truly international distributor with customers in over 40 different countries across Europe, the Middle East and the Asia-Pacific region. We distribute fire detection devices and controls, audible/visual warning alarm devices and associated equipment to just about every conceivable industry around the world. Our markets include marine engineering, fire alarm systems, power stations and oil/gas production plants.

Marine Range

With over 25 years of experience serving the marine industry around the world LGM Products understands the demanding nature of the marine sector. Our specialist knowledge means we are well-placed to deliver the best safety and detection devices for marine and offshore environments.

In this brochure you will find beacons, smoke detectors, call points, fire control panels, sounders and a range of other products that are marine approved and suitable for a variety of onshore and offshore applications.
Addressable Fire Panels

Syncro ASM 1 and 2 Loop Addressable Marine Fire Control Panel

These addressable panels are available with Germanischer Lloyd, Det Norske Veritas, Korean Register, Nippon Kaiji Kyokai and China Classification type approval for a wide range of marine fire alarm system applications. This now includes Marine Equipment Directive Approval MED. The Syncro ASM is one of the first fire control panels in the world to meet this European recognized classification.

Compatible with the complete range of Apollo or Hochiki marine approved detection devices, Syncro ASM fire control panels can be networked to provide scalable fire alarm systems making it suitable for many types of vessel.

The large clear display, simple intuitive controls and compact, unobtrusive enclosure of Syncro ASM fire control panels have been popular with installers and users of land based fire systems for many years and are now set to become a favourite in the marine environment.

Feature rich with a 3 Amp power supply and highly configurable via the Windows® based Loop Explorer configuration utility, Syncro ASM fire control panels are suitable for a wide range of marine fire alarm system applications.

- 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 Apollo protocol
- Same look and feel as Syncro 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

Syncro ASM 1 and 2 Loop Addressable Marine Fire Control Panel
Addressable Fire Detection

**Discovery Marine Optical Smoke Detector**
- IP44
- Unaffected by wind or atmospheric pressure
- Suitable for bedrooms, escape routes
- Approved by Lloyd’s Register, GL, DNV, ABS, MCA, BV

**Discovery Marine Multisensor Detector**
- IP44
- Optical smoke and thermistor temperature sensors
- High immunity to false alarms
- Approved by Lloyd’s Register, GL, DNV, ABS, MCA, BV

**Discovery Marine Heat Detector**
- IP54
- Rate-of-rise/static
- Ideal in dirty/smoky environments
- Approved by Lloyd’s Register, GL, DNV, ABS, MCA, BV
**Addressable Fire Detection**

**XP95 IS Heat Detector**
- IP23D
- Rate of rise/static
- Intrinsically safe (suitable for zone 0)
- Approved by Lloyd’s Register, GL, DNV, ABS, MCA, BV

**XP95 IS Optical Smoke Detector**
- IP23D
- ‘Light scatter’ optical detection
- Intrinsically safe (suitable for zone 0)
- Approved by Lloyd’s Register, GL, DNV, ABS, MCA, BV

**Discovery Marine Addressable Mounting Base**
- XPERT Addressing
- One way fit
- Locking feature
- Stainless steel contacts
- Approved to MED by GL
- DNV & ABS approval

**XP95 IS Addressable Mounting Base**
- XPERT Addressing
- One way fit
- Locking feature
- Stainless steel contacts
- Approved to MED by GL
- DNV & ABS approval
Addressable Manual Call Points

DISCOVERY MARINE ADDRESSABLE CALL POINT

The Discovery Marine Manual Call Point has been approved for use in indoor marine applications such as cruise liners. When operated, the manual call point interrupts the polling cycle for a fast response.

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

DISCOVERY MARINE WATERPROOF MANUAL CALL POINT

The Discovery Marine Waterproof Manual Call Point has been designed for use outdoors and in places where moisture can occur. It is compliant with EN54-11 and can be used with the Discovery Marine range.

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

These panels have been designed to minimise labour costs by providing ample 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 man walk tests will help reduce the cost of maintaining the system. A host of configuration & programming options are provided, including; programmable inputs & outputs, false alarm management, muster alarm and programmable output delays.

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

**Esento Marine 8-12 Zone**
- 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 sounder
- 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
Conventional Fire Repeater Panel

Esento Marine 12-Way Repeater Panel

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. It is also possible to disable the controls for each or all repeater panels to make them passive (indication only). Up to 8 repeater panels can be supported on a Esento 8-12 zone system.

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

Repeater panels are designed to be wired in a fault tolerant (fail safe) loop configuration, from comms A to B and back to the main panel again. This enables repeater panels to still work if there is a break in the cables. If replacing an older system where the existing cabling cannot be configured in a loop as above, it is possible to re-programme the panel back to legacy RS485 circuit comms monitoring. This then allows any topology of comms cabling to be utilised.

The main circuit board has 2, switch –ve, inputs which can be used to sound or pulse the alarms. These inputs can also be re-programmed for use as PSU fault inputs. The internal comms PCB has 6, switch –ve, programmable outputs. Different key types are used for the door lock and the ‘activate controls’ key-switch. It is also possible to enable the controls via a 4 digit code entry if preferred. An eight button keypad is used to control the system and allow access to the function options (unless disabled).
Conventional Fire Detection

**DCD-CE3M Combined Heat Detector (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
- Approved to MED by GL
- GL type & LPCB approval

**DCD-AE3M Combined Heat Detector (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
- Approved to MED by GL
- GL type & LPCB approval

**SLR-E3NM Marine Approved Photoelectric Smoke Detector**
- Wide voltage range (9.5 - 30Vdc)
- Removable chamber
- Remote indicator output
- Approved to MED by GL
- GL type & LPCB approval

**DRD-EM Marine IR Flame Detector**
- Up to 25m range
- Single IR technology
- Fits standard MED base
- Remote indicator output
- Approved to MED by GL
- LPCB approval
## Conventional Fire Detection

### SLR-E-IS Intrinsically Safe Photoelectric Smoke Detector
- Up to 25m range
- Removable chamber
- Suitable for category 1
- ATEX Classification to II 1G EEx ia IIC T5 Tamb=55°C
- GL type & LPCB approval

### DCD-1E-IS Intrinsically Safe Heat Detector
- Rate of rise heat detector
- 60°C fixed temperature element
- Suitable for category 1
- ATEX Classification to II 1G EEx ia IIC T5 Tamb=55°C
- GL type & LPCB approval

### YBN-R/6-M Marine Approved Standard Base
- Accepts 2.5mm cables
- Electronics free
- Small 8mm profile
- Approved to MED by GL
- Integral remote indicator output

### YBN-R/4(IS) Intrinsically Safe Detector Base
- Accepts 1 to 2.5mm cables
- Electronics free
- Small 8mm profile
- Approved to MED by GL
- Dedicated cable screen terminal
Conventional Manual Call Points

CXL INDOOR CALL POINT

The CX Universal Call Point combines a number of features into one package, simplifying selection and reducing stock variants. Designed to provide the facilities most frequently used, the Universal Call Point is the easy answer for the majority of conventional installations.

- IP24D
- Up to 30Vdc
- -10°C to +55°C
- Two-wire supply
- ABS
- Flush or surface mounted

CXL WEATHER RESISTANT CALL POINT

The CXL Universal Call Point combines a number of features into one package, simplifying selection and reducing stock variants. The CXL comes as standard with a plastic and glass element, and its integral LED indicators provides increased flexibility for diverse applications.

- IP66
- Up to 30Vdc
- -25°C to +70°C
- Two-wire supply
- ABS
- Flush or surface mounted
Conventional Manual Call Points

MCP1A INDOOR CALL POINT

Installation time and ultimately cost, are of paramount importance to any fire or security installer. The MCP range directly reflects this need by providing a unique ‘plug and play’ concept designed specifically to reduce installation time.

- IP24D
- Up to 30Vdc
- -10°C to +55°C
- Two-wire supply
- ABS
- Flush or surface mounted

WCP1A WEATHER RESISTANT CALL POINT

The outdoor WCP is an IP67 sealed manual call point product. The enhanced environmental protection allows the unit to be installed in many external environments where water and dirt are likely to be present, making it a true waterproof and outdoor product.

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

The approved design of the MBB-1 provides a splash-proof, secure fixing for both Apollo and Hochiki Marine Approved Detectors and their associated Bases. It can be installed on a variety of different fixing surfaces and because it has been manufactured to match the colour of Hochiki’s range of products, it provides an aesthetically pleasing solution where surface fixed devices are required.

The housing supports four 20mm gabled entries, for zone or loop cabling access. It is also supplied with base fixing screws and two cable glands specifically designed to provide protection against water ingress.

The detector base fits directly onto the MBB-1 and sits within a slight recess. This provides an accurate fit and vital protection against dust and water ingress.

The MBB-1 is also the recommended choice of back box for Hochiki’s Waterproof Heat Detectors, the Conventional DFG-60E and the Intelligent ACB-EW.
Audio/Visual Alarm Equipment

**SOUNDER BEACONS**

**VTB**
- 99dB(A)
- 1Hz LED
- 32 tone, 2-stage alarm
- IP21C(shallow)/IP33C(deep)
- 24Vdc
- Lens: Amber/Red

**YL4**
- 101dB(A)
- 3/10/15CD (LED)
- 32 tone, 2-stage alarm
- IP65
- 24Vdc/115Vac/230Vac
- Lens: Amber/Blue/Clear/Green/Red/Opal

**YL5**
- 105dB(A)
- 2.5/5 Joule (xenon)
- 32 tone, 2-stage alarm
- IP65
- 24Vdc/115Vac/230Vac
- Lens: Amber/Blue/Clear/Green/Red/Opal

**PATROL**
- 105/110/120dB(A)
- 5/10/15 joules (xenon)
- 80 tone, 4-stage alarm
- IP66
- 24Vdc/115Vac/230Vac
- Lens: Red/Amber/Yellow

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Audio/Visual Alarm Equipment

**XENON/LED BEACONS**

### V4 Xenon Beacon
- 5 Joules
- 1Hz flash rate
- IP65
- 24Vdc/115Vac/230Vac
- Lens: Amber/Blue/Clear/Red/Green/Opal

### MB005/MB010
- 5/10 Joules
- 1Hz flash rate
- IP67
- 12Vdc/24Vdc/28Vdc/115Vac/230Vac
- Lens: Amber/Blue/Clear/Green/Yellow/Red

### MBL1
- 11Cd
- 9 different flashing modes
- IP66 & 67 (third party tested)
- 12Vdc/24Vdc/48Vdc/115Vac/230Vac
- Lens: Amber/Blue/Green/Yellow/Red
Audio/Visual Alarm Equipment

SOUNDERS

VTG
- 102dB(A)
- 32 tones - 2 stages
- IP21C(shallow) or IP33C(deep)
- 24Vdc
- Red or White

YO4
- 100dB(A)
- 32 tones - 2 stages
- IP65
- 24Vdc/115Vac/230Vac
- Red

YO5
- 105dB(A)
- 32 tones - 2 stages
- IP65
- 24Vdc/115Vac/230Vac
- Red
Audio/Visual Alarm Equipment

**SOUNDERS**

**A105N**
- 105-112dB(A)
- 32 tones - 3 stages
- IP66
- 24Vdc
- Red (RAL3000)
- 2 x M20 clearance

**A112N**
- 112-119dB(A)
- 45 tones - 3 stages
- IP66
- 24Vdc
- Red (RAL3000)
- 2 x M20 clearance

**PATROL**
- 110dB(A) or 120dB(A)
- 45 tones
- IP66
- 10-60Vdc/95-265Vac
- Red/Grey
- 5x M20 clearance
Audio/Visual Alarm Equipment

**SOUNDERS**

**MA112**
- 112dB(A)
- 45 tones - 3 stages
- IP66 & 67 (third party tested)
- 24Vdc/48Vdc/24Vac/115Vac/230Vac
- Grey (RAL7038)

**MA121**
- 121dB(A)
- 45 tones - 3 stages
- IP66 & 67 (third party tested)
- 24Vdc/48Vdc/24Vac/115Vac/230Vac
- Grey (RAL7038)

**BEXS110**
- 110dB(A)
- 32 tones—3 stages
- IP66 & 67 (third party tested)
- 24Vdc
- Grey (RAL7038)
- Explosion Proof
Audio/Visual Alarm Equipment

**BELLS**

**FB ELECTRONIC BELL**

- 95dB(A)
- IP21C (Standard base)  IP33C (WR base)
- 24Vdc
- Steel gong, electronic solenoid alarm

**6” MOTORISED BELL**

- 95dB(A)
- IP21C (Standard base)  IP33C (WR base)
- 24Vdc
- Steel gong, motorised rotary alarm