CELEBRATING
20 YEARS
1994-2014

VIMPEX

Voice Sounders & Evacuation Solutions

Product Overview

Fire-Cryer® Voice Sounders
Sounders, Bells and Visual Alarm Devices
Linear Heat Detection
Water Leakage Detection
Manual Call Points
Door Holders
Photoluminescent Life Safety Signage

Fire Alarms

Voice Sounders

Electronic Sounders

EN 54-23

Linear Heat Detection

Evacuation

EN 54-3

Fire Bells

Strobes

The Fire-Cryer® Plus voice enhanced sounder has been developed to counteract the ever-increasing problem of audible alarms being ignored. It eliminates any potential confusion by combining the normal sounder signal with a clear and unambiguous voice message.

Fire-Cryer® Plus products require no special wiring and can be retrofitted to existing installations. They are fully synchronised and have an exceptionally low current consumption allowing simple replacement of existing sounders and bells. Up to 7 different messages can be selected from a library of hundreds - with foreign language and bespoke messages also available.

Fire-Cryer® Plus

- Sound output - 100 dB(A)
- Optional integral strobe
- Low current - average 20 mA
- No special wiring, easily retro-fitted
- Fully synchronised over multi-zones
- Deep base version available to IP66

C•A
EN 54-3

Mini Fire-Cryer® Plus

- Sound output - 90 dB(A)
- Ultra-slim base sounder to fit industry-standard detectors
- Omni-directional sound output
- Choice of colour to match detectors
- Installer-friendly connections
- Suitable for ceiling or wall mounting
- Optional front plate for stand-alone use

C•A
EN 54-3

Maxi & Midi Fire-Cryer® Plus

High-powered voice sounders designed for environments such as industrial applications and large open spaces like warehouses and factories.

- Sound output 100 to 116 dB(A)
- Rugged and weatherproof enclosures
- Low current - average 100 mA
- Ideally suited for open areas and noisy environments

Maxi

Midi

Fire-Cryer® Extinguishant PCB

Fire-Cryer® Plus can be seamlessly integrated into any gas suppression system using this switching PCB. The board can be interfaced with extinguishant control panels to give verbal warnings of each stage including gas release; thereby increasing safety at the same time as saving on wiring costs

Voice Message Controller

In order to manually control the 7 messages on a Fire-Cryer® Plus system, the Voice Message Controller can be used. The VMC is a fully wired switching interface with clear operation instructions printed on the facia.

- Ideal for retrofit installations
- Eases integration of the Fire-Cryer® Plus at new sites
- Can be linked for synchronisation over numerous zones
- Ease of use benefits the customer

Ani-Mate® Sounder

True (sub 400 Hz) animal-friendly sounder which leaves dogs, horses and smaller mammals undisturbed. The Ani-Mate® is suitable for use in areas that house mammals that might be sensitive to standard electronic sounders.

- Sub 400 Hz frequency designed to minimise stress to animals
- 24 V dc operation means easy interface to existing systems
- Low power consumption
- Attractive, low profile design
- Wide volume control: 83 to 92 dB(A)

FIRE CRYER® PLUS

The Banshee Excel™ range of sounders, beacons, sounder beacons and accessories represents the most modern, acoustically advanced and by far the most versatile range of conventional electronic sounders, combined units and dedicated beacons available on the market today.

The fire alarm bell is the traditional way to signal fire. Due to the broad sound frequency content of a natural ringing tone, the bell is still arguably the most effective tone-only fire alarm device. This LPCB-approved range of fire bells boasts high sound output and very low power consumption.

All sounders and sounder beacons (apart from the Banshee Excel™ BD Bedroom Sounder) come with 32 user-selectable tones incorporating low frequencies, high frequencies, European, American and Australian norms and all industry-standard frequency patterns. Tested and approved to EN 54 Part 3 and where appropriate EN 54 Part 23, the Banshee Excel™ range boasts leading acoustics, aesthetically pleasing designs and low power consumption.

The Banshee Excel™ BS Base Sounder is the thinnest platform sounder on the market and is renowned for its reliable 360° sound dispersal. The Banshee Excel Lite™ sounder beacon units offer all the functionality of the Banshee Excel™ sounders, together with either Xenon or LED beacon technology and several different coloured lenses to enhance the evacuation signal. The Banshee Excel™ FlashDome stand-alone beacon features ultra-efficient LEDs and is ideal for use in fire alarm systems which need to be upgraded or designed for conformity to DDA requirements. Together, the Banshee Excel™ products are unmatched for diversity and ease of installation.

The Banshee Excel™ range is complemented by a wide selection of accessories to suit all applications.

- Very low current consumption - 11mA
- Excellent sonorous tone - up to 100 dB(A)
- Dedicated weatherproof versions
- 24 V bells certified by LPCB to EN54-3:2001

StroBell Combination Unit

The StroBell combined bell and strobe is an innovative way to combine the benefits of a traditional bell with a bright xenon strobe.

- Quick to install bell/strobe combination
- Terminals can be isolated for use as a two-stage alarm
- Bright Xenon LED ideal for DDA-compliant systems

Strobe Lights

Signaline Linear Heat Detection

ReSet Call Point

Vimpex VAD23™ Range

The Vimpex VAD23™ range of Visual Alarm Devices meet the requirements of EN 54-23, the new European product standard.

With models that combine both a traditional electronic sounder or a voice sounder with a low current EN 54-23 rated VAD, the Vimpex VAD23™ is truly the most versatile family of visual alarm devices currently available - providing flexible solutions for the designer and end user.

VX Series

The VX Series of Xenon Strobes offers a wide range of voltages and light outputs to meet a diverse range of internal and external visual signalling requirements. All VX series are available with 5 different coloured lenses and are IP65 or IP67 rated.

Banshee Excel™ FlashDome

The Banshee Excel FlashDome features ultra-efficient LEDs and is ideal for use in fire alarm systems which need to be upgraded or designed for conformity to DDA requirements.

Linear heat detection provides early detection of fire conditions or overheating of equipment, plant or the surrounding area. Signaline linear heat detection cables are conventional heat detectors in a linear form. They sense heat anywhere along their length and are designed to be used in commercial and industrial applications.

Heat sensing cables can be used with or in place of conventional heat detectors or where conventional heat detection is expensive or difficult to install and maintain.

- Highly cost effective
- Easily installed
- Maintenance free
- Can be used in intrinsically safe areas and dusty or harsh environments down to -40 °C

Two types of Signaline linear heat detection cable are available; Fixed Temperature - **Signaline FT** and Analogue - **Signaline HD**.

Applications

- Cable Trays
- Plant Rooms
- Vehicles
- Multi Storey Car Parks
- Industrial Kitchens
- Warehouses
- Waste Recycling Facilities
- Process Plants & Power Stations
- Hazardous Areas
- Shipping & Marine

The ReSet resettable call point mimics the look and feel of glass. By using an ingenious patented mechanism, the ReSet enables call points to be properly tested every time with minimum hassle.

- An appearance of glass maintains operator deterrence
- Positive activation mimics the feel of breaking glass
- Visible warning flag confirms activation - a real test every time!
- Simple key to reset operating element - no broken glass
- No glass elements to break, lose or incorrectly fit during installation
- Several switching arrangements, including one for 2-wire systems
- Low profile, heavy-duty terminations
- Weatherproof version available
- Available in five colours

LPCB
LOSS PREVENTION CERTIFICATION BOARD

653a/01

Hydrosense

The Hydrosense Water Detection System is designed to protect areas where water leakage could seriously damage electrical, communication and computer networks. When installed in vulnerable areas it continuously monitors for water leaks. Hydrosense can be installed in a wide range of applications including HVAC, sprinkler systems and water-cooled plant.

Detection

Hydrosense offers the flexibility of two methods of detection - probes and cable. Probes are either floor mounted with an adjustable height setting or fitted to a AC drip tray. A float switch alarm is also available.

The flexible Hydrowire detection cable is available in 5 and 10 metre lengths and can continuously monitor large areas. A small amount of water coming into contact with Hydrowire is absorbed by capillary action and triggers the alarm. Using the Fire-Cryer®, a voice message can be broadcast avoiding confusion with other sounders on site.

- 2 - 48 zone panels available
- Choice of panel design and mounting
- Fully monitored detection and alarm circuits
- Easily installed, serviced and maintained
- Dedicated Fire-Cryer® 'Water Leakage' messages available
- Remote 'Water Alarm' lamp units available
- Auxiliary alarm contacts
- Zone breaker cable available

A range of accessories is available for the Banshee Excel range of electronic sounders and sounder/beacons, Mini Fire-Cryer® voice enhanced sounder and fire alarm bells.

Combination Bracket

Allows any bell or sounder to be fixed next to a dedicated strobe/beacon.

External Fixing Clip

Enhances the weatherproof rating of the Banshee Excel range by providing external fixing lugs.

Mains Pack

The 110/230 V ac to 24 V dc IP66 weatherproof mains pack allows the use of any Banshee Excel Sounder, Sounder Beacon or FlashDome to be powered directly from a mains supply.

Flush Mounting Ring

Provides an aesthetic solution for ceiling mounting strobes and sounders.

Wireless Acoustic Door Holder

This wireless battery-powered magnetic Door Holder is triggered acoustically when the fire alarm sounders are activated. No external wiring is required and the unit is typically powered in excess of 12 months by 2 standard 'C' battery cells.

Wired Door Holders

An extensive range of door holders available in both metal and plastic enclosures.

Remote Indicator

The square remote indicator is fitted with a wide range LED and is suitable for operation with conventional and most addressable systems.

The Anti-Vandal range has been designed to protect essential fire and security equipment and counteracts the effects of malicious false alarms, fire extinguisher theft or misuse, detector damage and the unauthorised use of emergency exit doors.

Smart+Guard
Protective Call Point Covers

The Smart+Guard is a tough and durable cover designed to stop false alarms and misuse of call points.

- 3 Year battery life with low power LED indicator
- Option for Li-Ion battery upgrade
- Enhanced durability and product strength
- Tamper-proof battery housing

Steel Web Protectors

Super-tough plastic-coated guards used to protect devices from damage caused by vandalism, theft, tampering or accidents. They can protect fire and security detectors, sounders, strobes, bells and other equipment.

Wireless Exit Stopper

The Exit Stopper is a highly effective way of preventing unauthorised use of emergency exits. It serves as an inexpensive security device which also helps to stop theft. If a protected door is opened the Exit Stopper emits an ear piercing 97 dB(A) alarm as well as triggering an optional remote alarm via a wireless interface. Once the door is closed it automatically resets. Its virtually indestructible polycarbonate housing also provides a highly visible deterrent.
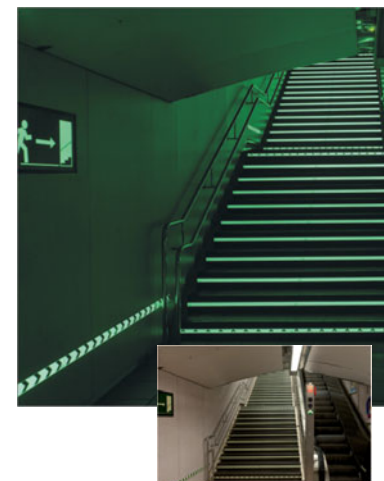
Wireless Extinguisher Stopper

The Extinguisher Stopper is a simple yet effective device for preventing theft, vandalism or misuse of fire extinguishers. This tamperproof, self-contained alarm provides both a visible deterrent and ear piercing alarm if the extinguisher is moved, whilst ensuring total accessibility in the event of a real fire. An optional remote alarm can also be triggered via a wireless interface.

Photoluminescent Life Safety Signage

The Implaser range of photoluminescent life safety signage features brightness levels many more times than required by the Standards.

The Implaser line is the ideal safety signage in areas such as public buildings, tunnels and escape ways.

The range includes photoluminescent signage and lighting solutions for:

- Fire equipment
- Escape and route safety equipment
- Emergency exits
- Low Location Lighting (LLL)
- Subway stations
- Road tunnels
- LED Emergency lighting
- Marine applications

Stand Alone Alarm System

The Alert Point is an aesthetically pleasing, robust and fully featured stand alone alarm system. Powered with a 9 V PP3 alkaline battery, the Alert Point includes an integral sounder and resettable call point.

Manufactured from tough polycarbonate, the Alert Point is designed for use in industrial, commercial and retail applications as well as facilities such as portacabins, car parks, churches and holiday parks. It also incorporates a tamper switch to prevent unauthorised removal or misuse.

Available in an array of colours, the Alert Point can be used for a wide variety of alarm applications such as fire, intruder, panic, evacuation or assistance.

Once activated the Alert Point will emit a 102 dB(A) alarm, an activation flag drops into view and the built-in LED facility flashes red. Any external connected devices will be activated. The Alert Point can be easily reset with a special key, ensuring that the unit is quickly operational again. An override facility can silence the alarm until the Alert Point can be reset.

Alert Points can be interconnected and have the ability to monitor each other to create a network of protection.

Intrinsically Safe Sounders & Strobes

The **IS28** is an intrinsically safe sounder for use in hazardous areas. The product is ATEX compliant and is suitable for use in all zones (0, 1 and 2).

The **IS FlashDome** is an intrinsically safe strobe for use in hazardous areas. The product is ATEX approved.
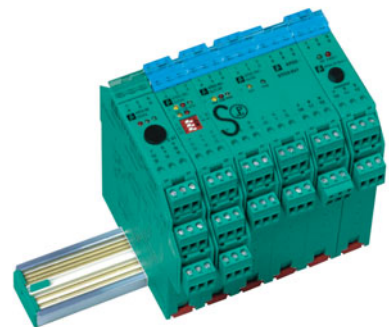

Intrinsically safe products should only be connected to the fire alarm system via an approved galvanic isolator or zener barrier - suitable units are available from Vimpex.

ATEX ⬡Ex⬡

Barriers & Isolators

DIN rail mounted galvanic isolators and zener barriers for use with both the IS28 sounder and the IS FlashDome beacon are available from Vimpex.

Explosion-Proof Sounders and Strobes

The Vimpex EX Series of Explosion-Proof Sounders and Strobes are available in a number of different versions and configurations to meet the demanding requirements of alarm notification in hazardous areas.

Models include sounders, strobes, combined sounder strobes, manual call points and switches. Typical applications include Oil and Gas, On-shore and Offshore, Petrochemical, Refineries and Marine.

7

Security Sounder

A high quality and reliable sounder for security applications.

- 12 V dc operation
- High output but low current consumption
- Double anti-tamper switch
- Distinct sound

Mains Voltage Safety Isolator

This product provides a secure method for safely isolating the mains voltage supply to fire systems in accordance with BS 5839: Part 1 (2002).

The unit is supplied in a complete enclosure, which is a standard single gang format with preformed holes for mounting on a surface or 20 mm conduit box. The unit can be accessed by rectangular surface trunking. Please follow the latest IEEE electrical wiring practices when installing the product.

- Both the Live and Neutral supply is switched
- Integral fuse, which cannot be removed without taking the cover off
- The supply can only be isolated by an **authorised person**, by means of a keylock switch
- The key is removable in both ON/OFF positions
- A Green LED is used to indicate mains present at the switched output
- When in the OFF position the FUSE is disconnected from the supply

Power Supplies

Low-Cost General Purpose Power Supply

The Vimpex range of low cost general purpose boxed PSUs are suitable for use with our wide range of BS EN1155 approved Door Holders and other 24 V dc devices. Three boxed 24 V dc general purpose power supplies are available: 1 A, 2 A and 3 A.

High-Specification EN-54 Power Supply/Charger

These high-specification PSUs provide full monitoring of mains failure, battery disconnection and total power failure.

Available as boxed or chassis mounted, the enclosed units are fitted in high quality, fully welded boxes with a key lock and a generous battery space and are available as flush or surface mounting.

A number of the boxed units are EN-54 approved.

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LPCB
UKAS
MANAGEMENT
SYSTEMS
007

Quality System Certificate No. 456
Assessed to ISO 9001:2000

FIA
Fire Industry Association

VIMPEX

Shaping Alarm Technology

ViMPEX

Linear Heat Detection

Fire Alarm

Intrinsically Safe

Analogue

Fixed Temperature

Heat Sensing Cable

Rate of Rise

EN 54

UL/FM/VdS

Signaline Linear Heat Detection

Linear heat detection provides early detection of fire conditions or overheating of equipment, plant or the surrounding area. Signaline linear heat detection cables are conventional heat detectors in a linear form. They sense heat anywhere along their length and are designed to be used in commercial and industrial applications.
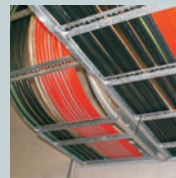
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- Highly cost effective
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Two types of Signaline linear heat detection cable are available; Fixed Temperature - **Signaline FT** and Analogue - **Signaline HD**.

Applications

- Cable Trays
- Plant Rooms
- Vehicles
- Multi Storey Car Parks
- Thatched Roofs
- Industrial Kitchens
- Warehouses
- Waste Recycling Facilities
- Process Plants
- Hazardous Areas
- Power Stations
  - Coal conveyors
  - Cable Tunnels
  - Access Tunnels
  - Plant Rooms
- Shipping and Marine
  - Engine Room
  - Cable Ducts
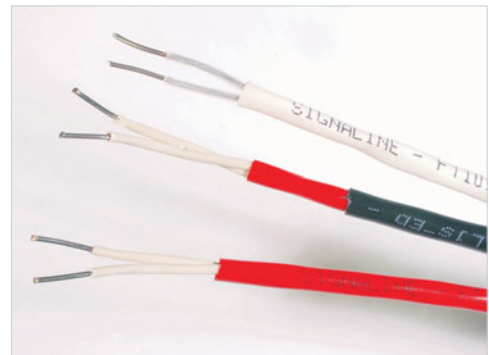 - Ceiling Voids
  - Kitchens

Signaline FT

Fixed Temperature Heat Sensing Cables

Available in three different alarm temperatures 68 °C, 88 °C or 105 °C which are UL Listed and FM Approved and two cover options for the 68 °C 105 °C cables. A high temperature cable of 185 °C is also available to provide a full range of fixed temperature heat sensing cables.

Signaline FT heat sensing cables can be used as a standalone system or connected to any conventional control panel and can cover up 3 km in a single zone.

Cable Specification

Conductor Resistance	0.100 Ω/m at 20 °C
Max Voltage	42 V dc / 30 V ac
Dielectric Withstand (UL)	500 V dc
Tensile Strength	1700 N/mm^2
Minimum Bend Radius	75 mm
Weight	12 kg per 500 m

Certification

The Signaline FT range of linear heat detection cable is UL Listed and FM approved.

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

Alarm Point Distance Locator (APDL)

The APDL is an optional Alarm Point Distance Locating device exclusively for use with Signaline FT heat sensing cables.

The APDL is designed to interface between an approved control panel or addressable module and a single length of Signaline FT heat sensing cable. The operation of the cable with the control panel or addressable module is unaffected if the APDL becomes faulty or loses power. APDL complies with the relevant FM standard and is enclosed in an IP65 rated enclosure.

Features

- Alternating metres/feet display of alarm point
- Cable selection
- Leader cable calibration
- Detection of alarm point from 100 m to 3000 m
- Installation settings saved in event of power loss
- IP65 rated enclosure for indoor/outdoor use with smooth sides or 4 sizes of M knock-outs (Note: FM Approved for indoor use only)
- Simple installation and operation
- Backlit 16x2 character LCD display
- Continued correct operation of control panel or addressable module regardless of faults which may occur in the unit
- To maintain system certification any fire alarm control unit connected to the APDL is to be FM approved and any power supply used to power the APDL is to be ANSI/UL 1481 certified
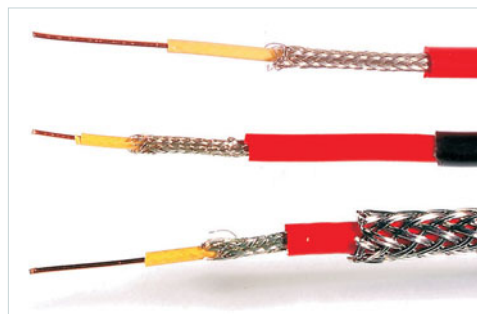
Signaline HD

Analogue Heat Sensing Cables

Signaline HD is an analogue heat sensing cable that monitors significant increases in temperature and provides an early warning of fire. The cable is fully resettable, EN 54 compliant and VdS approved.

Signaline HD heat sensing cable requires a controller to interface with conventional or addressable systems – see back page for further details.

Cable Specification

Part Ref.	Signaline HD	Signaline-HD-R	Signaline-HD-S
Outer cover	Red PVC	Black PVC + Chemical Resistant	Red PVC + Stainless Steel Braid
Minimum bend radius	5 mm	18 mm	20 mm
Weight Per 100 metres	1.6 kg	2.2 kg	3.0 kg
Construction	Co-axial	Inner Core - Copper coated steel Insulation - Heat sensitive polymer Braid - Tinned copper wire Standard outer sheath - Red PVC	
Tensile strength	Greater than 200 N		
Conductor resistance	2 ohms screen and core per 100 m		
Diameter	2.8 mm nominal		
Operating temperature	-40 °C to + 70 °C ambient		
Alarm temperature range (typical)	1 m alarm range 70 °C to 125 °C 10 m alarm range 45 °C to 100 °C		
Approvals	VdS approved Certificate No.s G202077 and G203076		

Certification

The Signaline HD cable is VdS approved to EN 54-5:2001 and EN 54-17:2001.

Signaline HD Controller

Signaline HD analogue heat sensing cable must be used with a Signaline HD controller and End of Line Unit. These enable the Signaline HD heat sensing cable to be fully monitored for open and short circuit. The controllers are equipped with volt free fire and fault relays that are connected to the fire control panel via an Interposing Line Unit. Alternatively the Controller can be used as a stand alone device using the relay contacts to activate subsidiary equipment.

There are three Signaline controller models to choose from:

- Signaline-HD-SKM-03 for conventional systems
- Signaline-HD-SKM-03UK for conventional systems and designed to raise an alarm when 1 m of Signaline HD cable is heated to 60 °C
- Signaline-HD-SKM-95 a loop powered addressable controller for use on Apollo XP95 protocol systems

Features

- Easy and economical to install
- Very simple to set up and operate
- Controller will monitor up to 500 m of sensor cable (dependent on ambient temperature)
- The sensor cable is resistant to corrosion and moisture and can be reset after use
- Signaline-HD-SKM-03 and Signaline-HD-SKM-95 are VdS approved EN 54 part 5 & 17

Common Accessories

Universal Connector Box

The Signaline Universal Connector Box can be used as an end of line unit, junction box or an interposing line unit. It is supplied with appropriately sized cable glands, terminal block and 470 Ω and 680 Ω resistors. These resistors allow Signaline FT cable to be connected directly to the zone terminals of most conventional fire control panels.

The IP66 rated enclosure provides a quick and efficient method to interconnect, terminate and join lengths of any Signaline heat sensing cable.

It can also be used for connecting the incoming leader cable to the start of a length of heat sensing cable.

Note: Cannot be used with the 185 °C cable.

Cable Fixing Clips

A range of clips is available to suit all applications.

Edge Clip - Knock on edge clip designed for steel work of differing thickness

J Clip - Knock on clip for outer edge of conventional cable trays

A Clip - Nylon clip with cable tie for where heat transfer from the fixing point to the heat sensing cable must be minimised

T Clip - A plastic moulding with a slot into which the heat sensing cable is located

P Clip - Zinc plated steel clip with santoprene cushion insulator

K Clip - 6 mm dia. knock in spigot, simply drill and fix (HD cable only)

VIMPEX

Shaping Alarm Technology