



firesafe

fire safety equipment

dualguard+

2 wire fire alarm system

raseries

residential alarms

zeroburn

fire performance cables

Formed in 1994, Firesafe continues to be at the forefront of the UK's Fire Safety Equipment Industry, and has a wealth of experience in providing fire safety solutions.

Firesafe is ideally located to distribute its extensive range of market-leading products - such as **Firesafe** fire alarms, **Lightsafe** emergency lighting, and **Caresafe** nurse call and induction loop systems, via our national distribution network.

And with a highly trained and knowledgeable technical support team, working closely with our nationwide sales team, Firesafe can offer contractors, installers and specifiers individually-tailored training days.

These are designed to give in-depth product knowledge on our full range of fire safety, emergency and disabled equipment.

Whatever your requirements, Firesafe ensures that you are provided with the highest levels of product quality, value and service expected in today's competitive marketplace.



EN54/LPCB Fire Alarm Panels



G2 Conventional



Conventional Fire Alarm Ancillaries



EN45 - 23:2010 Fire Detection & Fire Alarm Systems



Conventional Fire Alarm Sounders



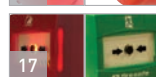
Conventional Fire Alarm Bells



Conventional Audio Visual Devices



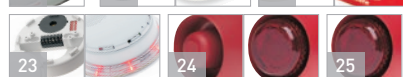
Conventional Call Points



Electromagnetic Fire Door Holders



Dualguard+ 2-Wire Fire Alarms



Generation 2 & Radio Fire Alarm Systems



EV-Series Emergency Voice



Residential Alarms



Fire Performance Cables, Clips, Saddles & Screws



Surface Mount Detector Cage



Site Alarms



Fire Safety



Fire Extinguishers



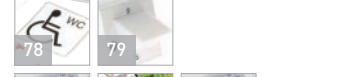
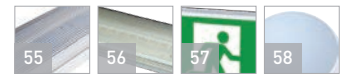
Technical Support



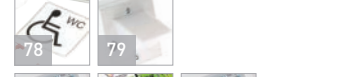
Siting of Emergency Luminaires



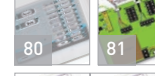
Emergency Lighting LED



Emergency Lighting Fluorescent & Spares



Toilet Alarms



800 Series



Two Core Addressable Call System



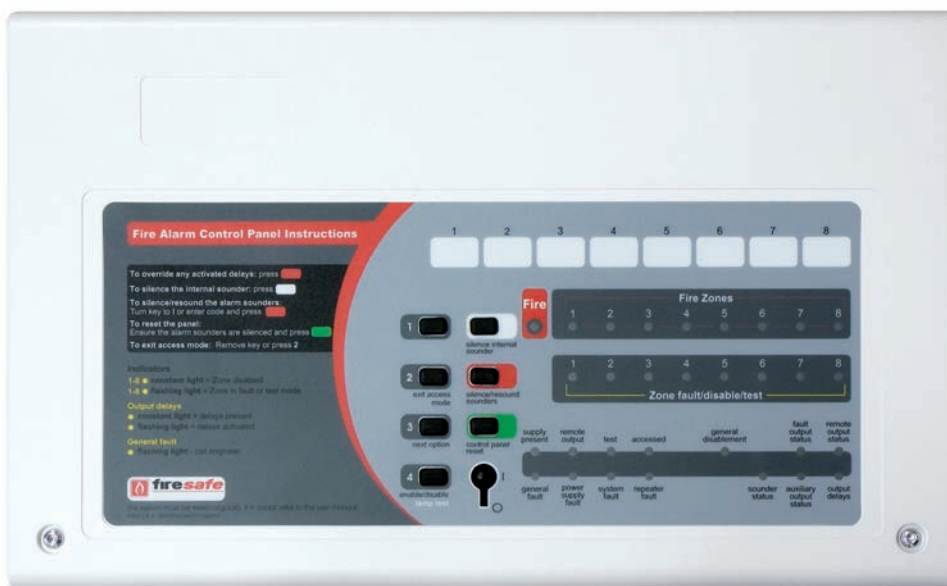


Product Range

EN54/LPCB Fire Alarm Panels

FCFP2N/4N/8N

Zone Standard Conventional EN54 Fire Alarm Panels



- The lid has a combined keypad/keyswitch entry using our new style plastic keyswitch
- Two on board relays provide (Fire and Fault) - previously you needed to purchase an extra relay board for relays
- Our fully approved panel has all of the engineering functions that the original FCFP standard panel, but there will be a note in the instructions saying coincidence or non-latching zones (if used) are outside the scope of EN54
- The panel is compliant with the latest versions of both EN54-2 and EN54-4 (both now Amendment 2). As a result this will mean the panel can be CE marked as being compliant with the Construction Products Directive (CPD) and has battery impedance fault monitoring
- Designed to fully comply with EN54 parts 2 and 4
- Attractive flush or surface mountable plastic lid and enclosure (no bezel required)
- Four conventional sounder circuits
- Class change and alert inputs
- Auxiliary fault, reset remote and auxillary fire outputs (1x FBF376N if relay contacts are required per output)
- Wide range of engineering functions including zone test, non-latching zones, programmable delays and coincidence
- Ancillary connections for up to eight two-wire repeaters and a relay board
- Fully LPCB approved
- Certificate number 176a

NOTE: Spare panel key available to order ref: FCFPNK

EN54/LPCB Fire Alarm Panels

FCFP2N/4N/8N

Zone Standard Conventional EN54 Fire Alarm Panels

Why is approval important?

To be approved to a standard by a recognised certification body gives reassurance to the user that you have indeed succeeded in complying with a standard.

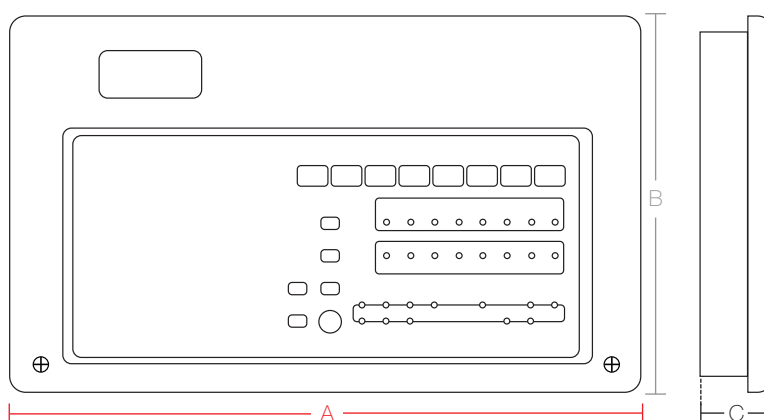
The introduction of the Regulatory Reform (Fire Safety) Order means the onus is now on the person responsible for a building's fire safety to reduce its risk from fire by carrying out a risk assessment and acting upon its findings. If they fail to do so they could face a fine or litigation. Clearly, an effective fire alarm system is key to the fire risk management of most buildings and the best way to prove it is fit for purpose is to show (through certification) that the equipment used is compliant with the relevant standard(s).

If you were the person responsible for the fire safety in your workplace wouldn't you feel safer knowing the product you've had fitted has been third-party certificated? Moreover, if you are a wholesaler (or installer) selling or installing a fire alarm panel wouldn't you feel safer knowing the same?

The demand for approved product is increasing. Installation companies that achieve BAFE SP203 accreditation for example are duty-bound to use compliant product wherever possible. Plus, as stories circulate of people being fined or in some cases being sent to prison for not taking fire safety seriously enough, so does the demand for traceable compliant product.

Approval provides a high degree of confidence in the performance of a product as it involves regular auditing to ensure compliance with the prevailing standards (which are subject to regular revision). This ongoing auditing process also helps to confirm that the product on the market is exactly the same as the product which was originally tested and approved.

If any one questions the compliance of your product, you can show them the LPCB certificate.



FCFP2N/4N/8N Dimensions:

A: 380mm B: 235mm C: 90mm

TECHNICAL INFORMATION

Mains supply voltage	230V AC + 50/60Hz
Internal power supply	27V DC
Auxiliary power supply	27V DC
Total output current limited to	1.5A @ 230V AC
Number of zone circuits	2 (FCFP2N) - 4 (FCFP4N) - 8 (FCFP8N)
Maximum number of detectors & manual call points per zone	20
Number of sounder circuits	4
Maximum bells @ 25 mA	32
Maximum sounders @ 20mA	40
Sounder outputs each fused at	200 mA
Enclosure (WxHxD)	380x235x90mm (flushing dimensions 364x222x75mm)
Weight (without batteries)	1.75kg (without batteries)

G2 Conventional

generation2

Firesafe's own range of Conventional Smoke & Heat Detectors is here

- Third-party certified to the relevant parts of EN54 5, 7 and pr29
- Manufactured in the UK
- Suitable for use with virtually all known conventional fire panels
- Simple 'click and twist' design and easy-fit base
- Integrated detector-base locking mechanism
- Optical, fixed heat, rate-of-rise & multi-sensor variants
- Excellent discounts for quantity orders
- See inside for details



FS20P

**Optical
Smoke Detector**

Type: Optical

Certified to: EN54-7

Application / Operation:

Uses an infrared light source and photodiode to detect smoke. Typically used in escape routes, living areas, bedrooms and other enclosed spaces. Particularly effective at detecting slow burning fires such as those caused by overheated electrical wiring or smouldering materials.



FS2HF60

**Standard (60°C) Fixed
Temperature Heat Detector**

Class/Type: A2 (Static)

Certified to: EN54-5

Application temperature:

25°C typical, 50°C max.

**Static response
temperature:**

54°C min. 65°C max.

Application / Operation:

Generates an alarm condition when it detects a temperature of between 54°C & 65°C.



FS2HF75

**High (75°C) Fixed
Temperature Heat Detector**

Class/Type: B (Static)

Certified to: EN54-5

Application temperature:

40°C typical, 65°C max.

**Static response
temperature:**

69°C min. 85°C max.

Application / Operation:

Generates an alarm condition when it detects a temperature of between 69°C & 85°C.

G2 Conventional

generation2

Key Generation 2 Features

- Third-party certified to the relevant parts of EN54-5, 7 and pr29 by Intertek
- Optical, fixed heat, rate-of-rise and multi-sensor variants
- All models carry the pan-European CertAlarm System 5 mark
- Wide 9-33V DC operating voltage
- Manufactured in the UK
- Two 8mm x 2mm ultra-bright red LED indicating strips offer unrivalled 360° visibility when illuminated
- IP42 rated
- Suitable for use with virtually all known conventional fire alarm panels and many 12V security systems
- Sophisticated onboard detection algorithms help reduce false alarms by rejecting momentary abnormal readings
- Low current draw - just 30µA quiescent at 24V
- Drift compensation functionality on Optical and Multi-Sensor variants ensures detector sensitivity is automatically calibrated to suit prevailing conditions and/or increased contamination levels
- Stylishly manufactured from white polycarbonate
- All detectors compatible with our FS2DB diode base
- Integrated detector/base locking mechanism and ID tag included with all bases
- Remote LED connection provided to assist with the identification of hidden or out of sight detectors
- Bases can accept fire rated cable of up to 2.5mm in diameter



FS2HR60

**Rate-of-Rise
Heat Detector**

Class/Type:
A1R (Rate-of-Rise/Static)

Certified to: EN54-5

Application temperature:
25° typical, 50° max.

**Static response
temperature:**
54° min. 65° max.

Application / Operation:
Generates an alarm condition when it detects a sudden rise in temperature or if it detects a static temperature of between 54°C & 65°C.



FS2MS

**Multi-Sensor
Fire Detector**

Class/Type: Multi-Sensor

Certified to: EN54-5/7
(also tested to prEN54-29)

Application / Operation:
Incorporates a smoke and a heat sensor which, as well as operating independently, combine to produce a sensitive response to freely burning fires. For example, when a rise in heat is detected, the level at which the detector responds to smoke is reduced. This smoke + heat analysis makes it ideal for detecting a wide range of fires in HMOs, etc, whilst also reducing false alarms. Max.static response of heat element is 65°C.



FS2DB

Detector Bases

Compatible with:

All smoke & heat detectors

Integrated head-base locking mechanism, removal tool & ID tag

Connections for an optional remote LED indicator

Can be ceiling mounted in any orientation due to the true 360° viewing angle of the LED indicator strips on all detectors.

Conventional Fire Alarm Ancillaries

FMVIR

Fire Alarm Isolator



For fire alarm system compliance to BS5839 Pt.1 2002 Sect. 29.

Mains voltage isolation switch suitable for use with fire alarm systems. Secure lockswitch (authorised person only) 4A Double pole switch. See BS5839 Pt.1 2002 section 29.2 Isolator for fire alarm systems.

- Red flame retardant enclosure
- 240V AC 2 pole switching (4A)
- Switch 80A surge rating
- Neon power indicator
- Secure lockswitch
- Key removable in both on or off position
- Supplied with matching backbox
- 20mm fuse
- Clearly marked with suitable text
- UK Single gang form factor

FBF376N

24Vdc Auxillary Relay Units



The relay is intended to switch additional field devices via the two relay outputs supplied. An LED is mounted so that it remains visible during the relay operation.

The supply voltage to the relay coil may be continued through the device via the additional terminals supplied. Each device is reverse polarity protected.

Typical usage examples are;automatic door retainers, smoke vents and fan shutdown, which are intended to be operated by an automatic fire system.

- PCB version for mounting inside PSU's, panels, etc.
- Self contained version in a metal enclosure
- Single gang plate version has 'Auxiliary Relay Operated' text
- Custom legend available on request

TECHNICAL INFORMATION

Voltage Range (Vdc)	18-40
Nominal Current Consumption (mA)	22
Relay Contact Rating	230V AC 5A
Coil Impedance ()	1100
Protection Rating	n/a
Boxed Weight (kg)	0.051
Colours Available	White (ABS fire retardant plastic)

Conventional Fire Alarm Ancillaries

FRLN

24Vdc Remote Indicator Units

The unit is used to give a remote indication of the status of a single or groups of fire detectors in alarm state utilising an LED with a wide area of illumination and high on/off contrast.

The units are compatible with the majority of conventional and addressable systems and can also be used for security and process control applications.

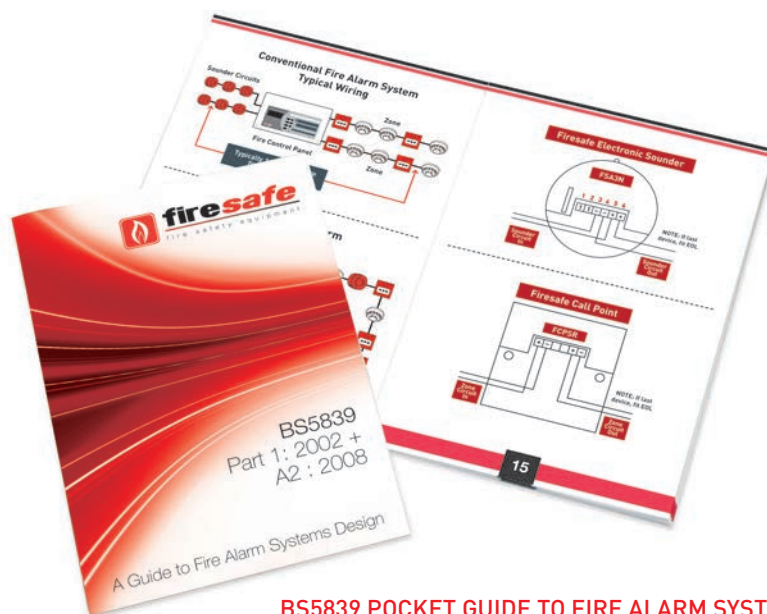
The standard version is a single gang flush mount unit, with or without 'Fire Detector Operated' text and also available with a deep back box for surface mounting.

- Direct fit to a single gang deep back box
- Text is available (fire detector operated) as special order
- IP66 weatherproof version available as special order



TECHNICAL INFORMATION

Type	Flush mount
Voltage Range (Vdc)	5 - 28
Nominal Current Consumption (mA)	24
Protection Rating	IP24
Boxed Weight (kg)	0.04
Colours Available	White (ABS fire retardant plastic)



BS5839 POCKET GUIDE TO FIRE ALARM SYSTEMS DESIGN
 available on request.

EN54-23:2010

Fire Detection and Fire Alarm Systems

Fire Alarm Devices

Visual Alarm Devices

- Visual alarm devices came into effect across Europe on 1st January 2014, after being delayed from March 2013.
- The EN54-23 standard specifies the required light output (0.4lm/m²) for Visual Alarm Devices (VADs) when used in a fire alarm system design.
- EN54-23:2010 is a manufacturing standard and not a design or installation standard and does not specify where VADs should be used or give any indication where they should be installed.

Clause 17 of BS5839-1:2013 recommends that:

- VADs should be used to supplement audible alarms where they are likely to be ineffective when used on their own.
- VADs should not normally be used on their own but may be used on their own, in very specific instances, where audible alarms would cause a major disturbance, such as television and radio studios, cinemas, theatres and Hospital operating theatres.
- VADs should be installed in sufficient numbers and distribution to be visible in all normally accessible areas.
- The VADs should have a flash rate of between 30 and 130 flashes per minute.
- VADs should be clearly identifiable from all other visual signalling devices.
- VADs should have a red or white flash.
- VADs should be installed in the correct application, wall or ceiling, at the correct mounting height and orientation.
- Care needs to be taken that VADs do not affect people with photosensitive epilepsy. Seizures are likely to be triggered by Flash frequencies between 3Hz and 30Hz. To reduce this risk VADs should:
 - Have a flash rate of 3Hz or less.
 - VAD units should all synchronise.
 - Reduce the number of VADs visible in large open areas to as few as possible.
 - Red light is more likely to cause photosensitive epilepsy than white.

The need for VADs should be determined by the responsible authority or as the results of a risk assessment. VADs should be considered for installation in the following:

- In buildings with a significant number of people with impaired hearing or in areas where persons with impaired hearing work in isolation or where they move around the building, additional means of giving warning may be appropriate.
- Sanitary accommodation
- In bedrooms of non-domestic sleeping accommodation. A bedroom VAD does not need to wake a sleeping person.
- Areas of high ambient noise - Sound levels of 85db(A) and over.
- In any other circumstance where audible alarms cannot be relied upon to warn of a fire.

EN54-23:2010

Fire Detection and Fire Alarm Systems

Ceiling mounted beacons

FSCRR23B

Ceiling mounted VAD LED beacon shallow base red body red flash -
Coverage C-3-6 - EN54-23 Approved.



Wall mounted beacons

FSWRR23B

Ceiling mounted VAD LED beacon shallow base red body red flash -
Coverage C-3-6 - EN54-23 Approved.



Ceiling mounted sounder/beacons

FSCRR23SB

Ceiling mounted sounder & VAD LED beacon deep base red body red flash -
Coverage C-3-6 - EN54-23 & 3 Approved.



Wall mounted sounder/beacons

FSWRR23SB

Wall mounted sounder & VAD LED beacon deep base red body red flash -
Coverage W-2.4-6 - EN54-23 & 3 Approved.

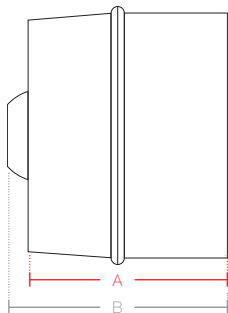


NOTE - All EN54-23 products are currently available to order with full specifications available via our technical office

Conventional Fire Alarm Sounders

FSASN

24Vdc Red Shallow Base Sounder



FSASN Dimensions: A: 77mm B: 85mm

The FSASN sander offers a cost effective and robust solution for your fire sander needs. Supplied in red ABS as 4 tone dc, volume control on this is continuously variable with the option of a continuous override tone. This sander also features a wide operating voltage making it perfect for various applications.

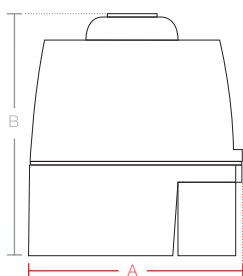
- Red flame retardant enclosure
- 240V AC 2 pole switching (4A)
- Switch 80A surge rating
- Neon power indicator
- Secure lockswitch
- Key removable in both on or off position
- Supplied with matching backbox
- 20mm fuse
- Clearly marked with suitable text
- UK Single gang form factor

TECHNICAL INFORMATION

Output @ 1 metre 24Vdc	107dB
Current @ 24Vdc	40mA
Voltage Range	8 - 35V DC
Operating Frequency	800Hz to 1000Hz
Number of Tones	4
Volume Control	- 30dB
IP Rating	IP65
Temperature Range	- 20°C to + 70°C
Weight (per unit packed)	200g

FSA3N

24Vdc 32 Tone Red Deep Base Sounder



FSA3N Dimensions: A: 93mm B: 101.6mm

Available in red, the FSA3N sander is ideal for both the fire and security markets, with EN54 approved and anti-tamper versions optional. The FSA3N is complete with 32 tones plus a selectable override tone and supplied as standard with a deep IP65 rated base. The use of the industry standard grub screw allows the product to be locked in place providing compliancy with British and European standards.

TECHNICAL INFORMATION

Sound Level	Low	Med	High
Sound Output @ 1 metre (Tone 1)	86dB	101dB	106dB
Current Consumption @ 24Vdc	< 9mA	< 18mA	< 36mA
Voltage Range	15 - 35V DC		
Number of Tones	32		
Operating Frequency	440Hz to 2900Hz		
IP Rating	IP65		
Temperature Range	- 20°C to + 70°C		
Weight (per unit packed)	250g		

Conventional Fire Alarm Sounders

FSA6N

24Vdc White Platform Base Sounder

The FSA6N base sounder is for use with conventional fire alarm systems, including SAV-WIRE two wire and is designed to accept most leading detector bases and offers a cost effective solution to sounder installation. The low profile sounder is supplied with 32 tones, along with a two stage alarm override which is activated by a third negative wire from the fire panel.

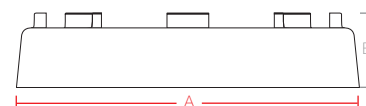
All tones have been selected to comply with the latest sound patterns and frequencies used throughout the world. All tone options are fully synchronised.

This sounder has been fully approved to EN54 part 3 by the LPCB and VdS on tone 1, 3, 11, 25 and 27. When a detector is not being mounted to the sounder a blank cover plate is available so that the unit can be used as a stand alone sounder.

- 32 tones plus a selectable override tone
- Switch selectable volume control
- Designed to work with both conventional and two-wire (SAWWIRE) systems
- Fully approved to EN54-3 by LPCB and VdS
- Modern ultra low profile for discreet mounting
- Designed to accept most leading detector bases (contact us for colour options available)

TECHNICAL INFORMATION

Voltage range (Vdc)	18 - 30
Number of tones	32
Operating frequency (Hz)	440 - 2900 Hz
Temperature range (°C)	-20 to +70
Monitoring	Reverse polarity
Protection rating	IP21C
Boxed weight (kg)	0.11
Body colours available	White or ivory (ABS fire retardant plastic)



FSA6N Dimensions: A: 115mm B: 41mm

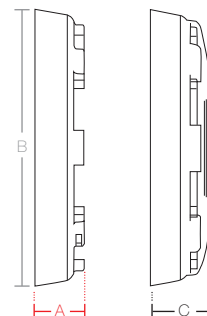
FSAV6N

24Vdc White/Red Platform Base Sounder Visual Indicator Device

The FSAV6N combined platform sounder/ visual indicator device provides full 360° visibility via its high intensity LED array with a flash rate of once per second. Including the choice of 32 tones, supplied standard with a clear lens but other colours available to order with a selection of red, amber or blue lens choice. The unit has been accurately designed to accommodate the Firesafe range of detectors and most leading detector brands. A cover plate is also available to order allowing this product to be converted into a stand alone sounder visual indicator device.

TECHNICAL INFORMATION

Voltage range (Vdc)	18 - 30
Number of tones	32
Operating frequency (Hz)	440 - 2900 Hz
Temperature range (°C)	-20 to +70
Monitoring	Reverse polarity
Protection rating	IP21C
Boxed weight (kg)	0.11
Body colours available	White or ivory (ABS fire retardant plastic)



FSAV6N Dimensions: A: 25mm B: 116mm C: 34.54mm

Note: Both above images shown with cover plate not supplied as standard. If required please order FSA6NC. For the FSA6N, cover plate to suit the FSAV6N is a special order item.

Conventional Fire Alarm Sounders

FSA3NW

24Vdc 32 Tone White Deep Base Sounder

deal for both the fire and security markets, with EN54 approved and anti-tamper versions optional. Complete with 32 tones plus a selectable override tone and supplied as standard with a deep IP65 rated base. The use of the industry standard grub screw allows the product to be locked in place providing compliancy with British and European standards.

TECHNICAL INFORMATION

Output @ 1 metre 24Vdc	107dB
Current @ 24Vdc	40mA
Voltage Range	15 - 35V DC
Operating Frequency	800Hz to 1000Hz
Number of Tones	32
Volume Control	- 30dB
IP Rating	IP65
Temperature Range	- 20°C to + 70°C
Weight (per unit packed)	200g

FSMSN

110 - 230Vac 32 Tone Deep Base Sounder

The high output 110-230Vac sounder is a flexible sounder designed for applications where a mains powered sounder is required. The sounder comes with a suite of 32 tones to cover most applications including fire, security and general industrial and for use as a wide open area sounder. The tones include a wide range of sound patterns and frequencies compatible with international requirements. Please note installation is not recommended in chilled areas.

Tones are selected via a DIL switch. By using three wires, a second stage alarm may be switched so that the continuous tone will override the tone selected.

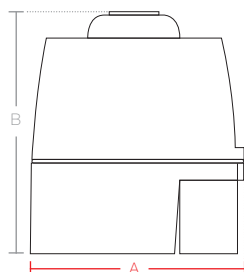
Supplied with its own mounting base that comes with marker points for drilling industry standard M20 PG gland entries to maintain the products IP integrity. Cables can be entered from the rear or side for surface and flush wiring options.

This product does not require an earth connection as each device has its own transformer and de-coupling between mains frequencies.

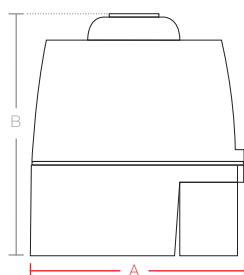
- 32 tones
- Deep base IP65 as standard
- No earth connection required
- Extremely easy to fit and commission
- Variable volume controls

TECHNICAL INFORMATION

Voltage Range (Vdc)	230/110 ± 10%
Number of Tones	32
Operating Frequency (Hz)	440 - 850
Temperature Range (C)	-20 to +70
Protection Rating	IP65
Boxed Weight (kg)	0.30
Body Colours Available	Red or white (ABS fire retardant plastic)
Sound Output, Typical (dBA)	104.4
Sound Output, Anechoic Chamber (dBA)	103.2
Sound Output, Reverberation Chamber (dBA)	120.0
Max. Current Consumption @ 230Vac (mA)	13.4
Average Power Consumption @ 230Vac (W)	3.1



FSA3NW Dimensions: A: 93mm B: 101.6mm



FSMSN Dimensions: A: 93mm B: 101.6mm

Conventional Fire Alarm Bells

FSB1N

Fire Alarm Bell 6" EN54-3 Approved

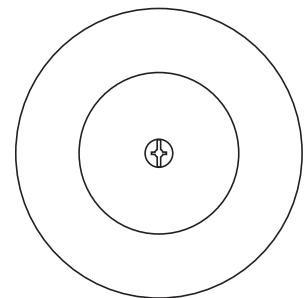
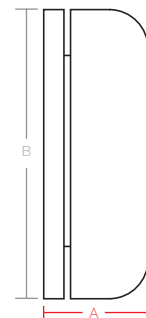
The FSB1N 6" motorised bell has been designed to offer maximum performance combined with rapid installation and a sleek low profile appearance. The bell can be used for a wide range of applications including conventional fire alarm systems.

The bell is approved to EN54-3 with LPCB and CE marked.

- High efficiency low current consumption design
- Terminals will accept 2.5mm cables
- Simple installation via multifixing base plate for all types of location
- Fitted with two series diodes for fault monitoring
- Option of customized discs printed with company name and logo

TECHNICAL INFORMATION

Voltage range	17 - 27 VDC
Temperature range °C	-10 to +55
Monitoring	Reverse polarity
Protection rating	IP21C
Boxed weight	850g
Body colours available	Red
Dimensions	152mm x 56mm (h)
Movement	Motor, pinion, and striker
Movement features	DC motor, acetal gear wheel, steel striker
Gong	Steel, secured with philips screw
Base plate	Molded black polycarbonate
Material	Steel plate
Sound output, typical (dBA)	93
Max current consumption @ 24Vdc (mA)	25
Power consumption @24Vdc (mW)	600



FSB1N Dimensions: A: 56mm B: 152mm



EN54-3

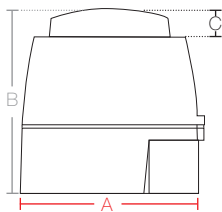


Conventional Audio Visual Devices

FSAVRRN/FSAVWAN

24Vdc 32 Tone Sounder Visual Indicator Device

With its wide voltage range the AV is the perfect choice for both fire and security applications. Available as standard in red with red lens or other lens colour options available to order. Supplied with deep mounting base and is complete with 32 tones and a selectable override tone. White, amber variant also available.



FSAVRRN/FSAVWAN Dimensions:
A: 93mm B: 106.9mm C: 16.30mm

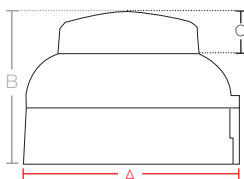
TECHNICAL INFORMATION

Sound Level	Low	Med	High
Sound Output @ 1 metre (Tone 1)	88dB	103dB	109dB
Current Consumption @ 24Vdc	<11mA	<19mA	<37mA
Voltage Range	18 - 35V DC		
Number of Tones	32		
Operating Frequency	440Hz to 2900Hz		
IP Rating	IP65		
Temperature Range	- 20°C to + 70°C		
Flash Rate	1Hz		
Weight (per unit packed)	258g		

FXLRN

24Vdc Red LED Visual Indicator Device

Available in red fire retardant ABS as standard with a choice of, amber or blue lens colours to order the FXLRN visual indicator device is completed with a shallow (IP43) mounting base. The FXLRN features energy efficient technology enabling low current consumption and also offers quick fit installation via its bayonet fixing arrangement.



FXLRN Dimensions:
A: 93.60mm B: 160.20mm C: 17.20mm

TECHNICAL INFORMATION

Configuration	Standard
Light Output @ 1 metre	0.7W
Current Consumption @ 24Vdc	< 5mA
Voltage Range	20 - 35V DC
Flash Rate	1Hz
Temperature Range	- 20°C to + 70°C
IP Rating	IP43
Weight (per unit packed)	145g

Conventional Call Points

FCPSRN

Manual Call Point Red - EN54-11 Approved

FCPSRN is a resettable manual call point with unique and innovative features. It has been designed to obtain maximum visibility, high reliability in operation and pleasant aesthetical appearance and is fully approved to EN54-11.

Six modes of operation are achievable simply by choosing the appropriate internal connection terminals. All these configurations are easily accessed via the screw terminals. The internal printed circuit board is fully enclosed and protected and incorporates a current limiter that maintains a steady supply to the LED.

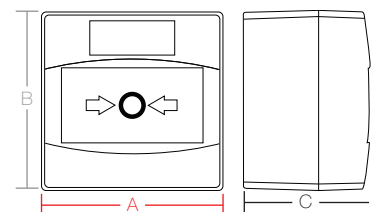
The FCPSRN is easily reset using the special key provided that allows a simple twist action to restore the call point to its normal operating condition. The same key is used to access the electrical connection.

There is the provision of two cable entry knockouts on the rear plus 2 x 3 pre-marked location points on both top and bottom sides of the surface mount back box.

TECHNICAL INFORMATION

Mounting	Surface Mount
Maximum Voltage	30 Volt
Minimum Voltage*	4.5 Volt if LED with R1 is chosen 6.0 Volt if LED with R2 is chosen
Current Rating (non-operated)	0 mA
Current Rating (operated)	18 mA @12 Volt - R1
Resister Values	13 mA @12 Volt - R2
R1 470Ω	45 mA @24 Volt - R1
R2 680Ω	31 mA @24 Volt - R2
Cable Termination	0.5 - 2.5 mm ²
Operating Temperature	-30 / +70°C
Humidity	0 - 95 %
IP rating	42
Material	ABS / P glass fibre

*Below minimum voltage led current is lower than 7 mA



FCPSRN Dimensions: A: 88mm B: 87mm C: 61mm

FCPSG

Resettable Double Pole Green Call Point

This is a resettable double pole manual call point packed with unique and innovative features. It has been designed to obtain maximum visibility, high reliability in operation and pleasant aesthetical appearance.

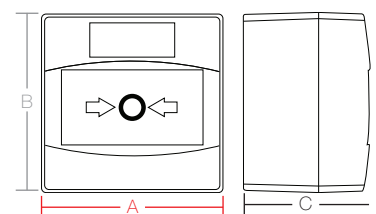
Six modes of operation are achievable simply by choosing the appropriate internal connection terminals at the time of installation. This solution has been adopted to address the need to stock multiple units commonly seen in many other popular types of call points on the market.

The call point is highly visible in both the alarm and non alarm state. Front facing LED and sideways facing light tubes allow the easy discovery of an activated call point.

- Very high visibility of the alarm condition
- Visible in the dark via the unique luminescent resettable element feature
- Easy and economical installation
- High impact resistant ABS glass fibre material
- Six configurations in one unit design for reduced inventory holding
- Extremely easy to reset via the robust twist and set key system
- Accessories also available

TECHNICAL INFORMATION

Maximum Voltage (Vdc)	30
Insulation Resistance	100 Mohm @ 500Vdc
Maximum Current	3A @ 250Vac 5A @ 125Vac
Cable Termination (mm ²)	0.5 - 2.5
Operating Temperature (°C)	-30 to +70
Humidity (%)	0 - 95
Protection Rating	IP42
Body Colours Available	Green
Material	ABS/Polycarbonate/PA6+glass fibre
Boxed Weight (kg)	0.205



FCPSG Dimensions: A: 88mm B: 87mm C: 61mm

Note: Spare key to suit ref:FCPSRNK(5)

Electromagnetic

Fire Door Holders

WALL MOUNTED DOOR RETAINERS

FMH/M24N & FMH/M230N Door Retainer
FMH/MFBN Floor Bracket



FMH/MFBN Floor Bracket

With a flame retardant, low profile ABS plastic body or a robust steel facia plate version available as a special order item

Installation is, with knockouts provided for entry of surface mount conduit, there is ample space to connect external wiring to the 4.0mm terminals.

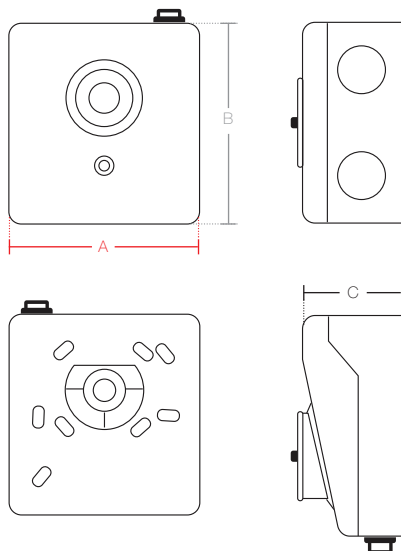
Each door retainer is fitted with a spring loaded release pin mounted centrally within the electro-magnet. On power off, the release pin then ensures that the fire door is pushed away from the electro-magnet.

Additional accessory products are available, including floor brackets, chains and additional keeper plates.

All door retainers are designed to comply to the latest requirements of EN 61000-3-2, EN 50081-1, EN 60950 and EN 1155.

TECHNICAL INFORMATION

Supply Voltage and Tolerance	24V DC ± 10%	230V AC ± 10%	
Current Consumption	50mA	12mA	
Rated Holding Force	450N	200N	
Maximum Holding Force	750N	250N	
Residual Holding	ZERO		
Release Switch	YES		
Protection	IP51		
Keeper Adjustment	± 30 °		
Weight (per unit packed)	500g	400g	400g
Material	ABS		
Door Closer, Power Size	3 - 6		



FMH/M24N Dimensions:

A: 87mm B: 95mm C: 46mm

Electromagnetic Fire Door Holders

FLOOR MOUNTED FIRE DOOR HOLDERS

FMD5 24Vdc Electromagnetic Door Holders

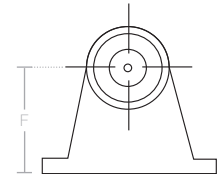
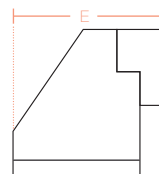
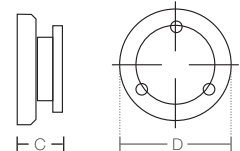
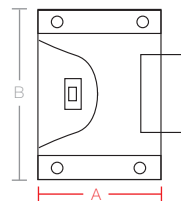
The FMD5 is designed to hold open fire doors for ease of access and release them when an alarm is triggered. They are ideally suited to applications where maximum protection is needed against vandalism or accidental damage such as prisons and schools. They are also suited to applications where the door is not opening near a wall. They feature a rugged cast aluminium housing, a holding magnet with integral ejection pin and a manual release switch.

Supplied as 500N holding force as standard and vandal resistant form. Every door holder is supplied complete with a door mounting keeper plate.

- Robust aluminium construction
- 500N holding force
- Manual release switch
- Surface cable entry
- Supplied with keeper plate

TECHNICAL INFORMATION

Holding Force	500N
Residual	Zero
Supply Voltage	24V DC
Consumption	90mA
Finish	Aluminium white painted housing, zinc plated magnet
Weight	1kg



FMD5 Dimensions:

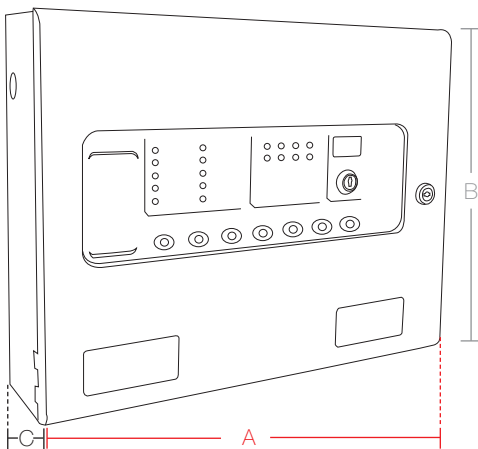
A: 96mm B: 55mm C: 28mm D: $\varnothing 71$ E: 96.5mm F: 70mm

2-Wire Fire Alarm

dualguard+

FSTP2/4/8

2-Wire Fire Control Panels



FSTP2/4/8 Dimensions: A: 385mm B: 310mm C: 90mm

Note: Panel key available to order ref: FSTKS



For further information on dualguard+ scan the QR code* and select the required information.

*Download a QR reader from your app store to read the code. A charge may be applied to, or by your service provider.

The Firesafe dualguard+ 2-wire range of fire control panels have been designed in accordance with European standards BS EN54-2 and BS EN54-4 Fire Detection and Fire Alarm Systems - Control and Indicating Equipment.

The panels have been designed to work with the Firesafe dualguard+ 2-wire range of products and detectors all wired to the same pair of cables, offering a cost effective solution to sounder installation. Wiring sounders to the detection circuits eliminates the need to install sounder circuit cables and also offers the ability to provide zones or two stage sounder operation.

All control panels have an integral, mains powered battery charger and power supply designed in accordance with the requirements of BS EN54-4.

- Available in 2, 4 or 8 zone versions
- Fully compliant with BS EN54-2 and BS EN54-4
- Compatible for use on BS5839: Part 1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products and optical and thermal detectors
- 2-wire repeaters and ancillary boards
- Simple, single board construction
- Installer friendly
- Two monitored sounder outputs
- 3 Amp power supply
- Auxiliary power output
- Fully programmable using simple menu options
 - Adjustable sounder delay time
 - Sounder configuration options
 - Zonal sounder delay detectors only
 - Zonal sounder delay call points only
 - Coincidence input selection
 - IS barrier selection by zone
 - Short circuit fire by zone
 - Non latching zones
 - Silent zones
 - Zone input delay
 - General panel configuration

TECHNICAL INFORMATION

Supply Voltage (Vac)	230 (+10%/-15%)
Mains Supply Fuse (amps)	1.6A 250V
Power Supply DC Rating (amps)	24V 3A
Maximum Battery Size	7Ah 12V (2 per panel)
Fault Contact Rating	30V DC 1A
Local Fire Contact Rating	30V DC 1A
Fire Contact Rating	30V DC 1A
Sounder Output Rating	0.5A per output (max 1.6A over all products)
Detection Zone Current (milliamps)	1.6mA
Detection Zone EOL Resistor	6k8 5%
Sounder Output EOL Resistor	10k 5%
Cable Capacity	2.5mm per terminal
Operating Temperature Range (°C)	-5 to +50
Operating Humidity	95% (non condensing)
Stand by current (amps)	0.065 (2 zone) 0.075 (4 zone) 0.093 (8 zone)
Alarm current (amps)	0.15 (2 zone) 0.3 (4 zone) 0.63 (8 zone)
Dimensions	385 x 310 x 90
Construction & Finish	1.2mm mild sheet steel (epoxy powder coated)
Colour - Lid & Box	BS 00 A 05 grey - fine texture
Colour - Controls Plate & Labels	RAL 7047 light grey - satin

2-Wire Fire Alarm

dualguard+

FSTO

2-Wire Optical Detector

The Firesafe dualguard+ 2-wire optical detector is a photoelectric smoke sensor, which incorporates a unique high performance technology chamber, removing the need to use ionisation smoke sensors in the majority of applications. A third terminal provides remote indicator output.

This also allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

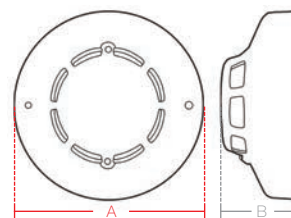
It is easily removed or replaced for cleaning and utilises a unique baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

It is supported by the Firesafe dualguard+ 2-wire range of products, thermal detectors and 2, 4 or 8 zone panels for different applications, supported on the majority of conventional systems.

- Twin fire LED's allow 360° viewing
- Fully compliant to BS EN54-7
- Compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products
- Thermal detectors and 2, 4 and 8 zone fire control panels

TECHNICAL INFORMATION

Voltage Range (Vdc)	17-41
Lower Power Mode - Typical (µA)	120
Quiescent Current - Typical (µA)	400
Alarm Current - Controlled by CIE (mA)	9.1
Transmission Method	Digital communications using ESP
Operating Temperature Range (°C)	-10 to +50
Storage Temperature Range (°C)	-30 to +60
Maximum humidity (RH)	95% - Non condensing (at 40 C)
Protection rating	IP42
Boxed weight (kg)	0.09
Body colours available	White (ABS)
Compatible bases	FSTSB
Optical detector, white	FSTO



FSTO Dimensions: A: 100mm B: 30mm

FSTH

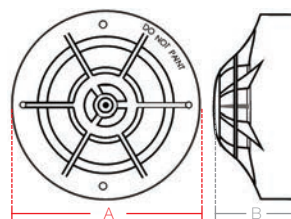
2-Wire Thermal Detectors

The Firesafe dualguard+ 2-wire thermal detector is a rate of rise heat detector with a 60°C fixed temperature element using a thermistor and linearising circuit to provide an accurate linear response heat detector. A third terminal provides remote indicator output.

It is ideal for use where medium ambient temperatures exist, such as drying rooms or where smoke detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

It is supported by the Firesafe dualguard+ 2-wire range of products, detectors, base and 2, 4 or 8 zone panels for different applications, supported on the majority of conventional systems.

- Remote Indicator output
- Wide voltage range (9.5 ~ 30V DC), can be installed on security systems
- Twin fire LED's allow 360° viewing
- Fully compliant to BS EN54-7
- Compatible for use on BS 5839-1:2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products, detectors and 2, 4 and 8 zone fire control panels
- High temperature version available ref: FSTHT



FSTH Dimensions: A: 100mm B: 38mm

2-Wire Fire Alarm

dualguard+

FSTB

2-Wire Detector Mounting Base



The Firesafe dualguard+ 2-wire detector mounting base is supported by the Firesafe dualguard+ 2-wire range of products, detectors and 2, 4 or 8 zone panels for different applications, supported on the majority of conventional systems.

- Integral remote indicator output
- Rugged design
- Dedicated cable screen terminal
- Quick connection via square cable
- Clamps which accepts from 1 - 2.5mm² cables
- Bayonet slot, low insertion force for detectors
- Compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire detectors

TECHNICAL INFORMATION

Voltage Range (Vdc)	15 - 30
Operating Temperature Range (°C)	-10 to +50
Storage Temperature Range (°C)	-30 to +60
Maximum Humidity	95% - non condensing (at 40°C)
Boxed Weight (kg)	0.08
Body Colours Available	White (ABS)
Dimensions - diameter x height (mm)	100 x 13a

FSTCP

2-Wire Call Point



The Firesafe 2-wire resettable manual call point has been designed for use with the Firesafe 2-wire range of products, detectors and panels. Packed with unique and innovative features, it has been designed to obtain maximum visibility, high reliability in operation and pleasant aesthetical appearance and is fully compliant to EN54-11.

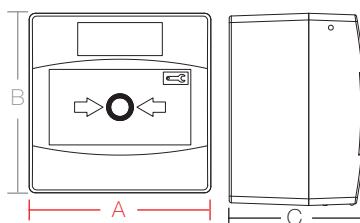
Six modes of operation are achievable simply by choosing the appropriate internal connection terminals at the time of installation. This solution has been adopted to address the need to stock multiple units commonly seen in many other popular types of call points on the market.

Unit is highly visible in both the alarm and non alarm state. Front facing LED and sideways facing light tubes allow the easy discovery of an activated call point.

- Very high visibility of the alarm condition
- Visible in the dark via the unique luminescent
- Resettable element feature
- Easy and economical installation
- High impact resistant ABS glass fibre material
- Clever six configurations in one unit design for
- Reduced inventory holding
- Extremely easy to reset via the robust twist and set key system
- Fully compliant to BS EN54-11
- Compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products, optical and thermal detectors and 2, 4 and 8 zone fire control panels

TECHNICAL INFORMATION

Maximum voltage (Vdc)	30
Current rating (non-operated) (mA)	0
Current rating (operating) (mA)	34 @ direct 12V DC 2 @ reversed 12V DC 77 direct 24V DC 5 @ reversed 24V DC
Cable termination (mm ²)	0.5 - 2.5
Temperature range (°C)	-30 to +70
Humidity (%)	0 - 95
Protection rating	IP42
Body colours available	Red (ABS / polycarbonate / PA6+glass fibre)
Boxed weight (kg)	0.205



FSTCP Dimensions:

A: 88mm B: 87mm C: 61mm

Note: Spare key to suit ref: FCPSRNK(5)

2-Wire Fire Alarm

dualguard+

The Firesafe dualguard+ 2-wire sounder base has been designed for use with the Firesafe dualguard+ 2-wire range of products, detectors and panels, offering a cost effective solution to sounder installation. The low profile sounder is supplied with 32 tones, along with a two-stage alarm override which is activated by a third negative wire from the fire panel.

All tones have been selected to comply with the latest sound patterns and frequencies used throughout the world. All tone options are fully synchronised.

When a detector is not being mounted to the sounder a blank cover plate is available so that the unit can be used as a stand alone sounder.

Note: FSTB also required when installing either FSTSB or FSTSB

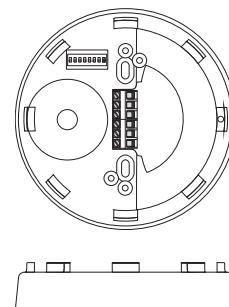
FSTSB

2-Wire Detector Sounder 24Vdc

- 32 tones plus a selectable override tone
- Switch selectable volume control
- Modern ultra low profile for discreet mounting
- Fully compliant to BS EN54-3
- Compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products, optical and thermal detectors and 2, 4 and 8 zone fire control panels

TECHNICAL INFORMATION

Voltage Range (Vdc)	18 - 30	Lens Colour Available	Clear (with red LEDs)
Number of Tones	32	Volume Setting	High
Operating Frequency (Hz)	440 - 2900	Sound Output, Typical (dBA)	93.8
Temperature Range (°C)	-20 to +70	Sound Output, Anechoic Chamber (dBA)	91.2
Monitoring	Reverse polarity	Sound Output, Reverberation Chamber (dBA)	110.9
Protection Rating	IP21C	Max. Current Consumption @ 24Vdc (mA)	12.0
Boxed Weight (kg)	0.27	Power Consumption @ 24Vdc (mW)	288
Body Colours Available	White (ABS fire retardant plastic)		



FSTSB Dimensions: A: 115mm B: 115mm C: 41mm

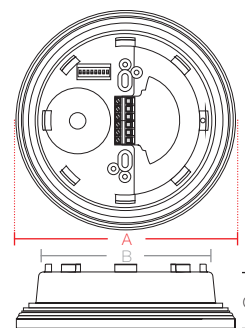
FSTSB

2-Wire Sounder Visual Indicator Device Base 24Vdc

- 32 tones plus a selectable override tone
- Switch selectable volume control
- Modern ultra low profile for discreet mounting
- Fully compliant to BS EN54-3
- Compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products, optical and thermal detectors and 2, 4 and 8 zone fire control panels

TECHNICAL INFORMATION

Voltage Range (Vdc)	18 - 30	Volume Setting	High	Medium	Low
Number of Tones	32	Sound Output, Typical (dBA)	94.8	91.0	88.5
Operating Frequency (Hz)	440 - 2900	Sound Output, Anechoic Chamber (dBA)	90.9	87.0	84.4
Temperature Range (°C)	-20 to +70	Sound Output, Reverberation Chamber (dBA)	110.8	107.6	105.1
Monitoring	Reverse polarity	Max. Current Consumption @ 24Vdc (mA)	17.2	14.9	12.9
Protection Rating	IP21C	Power Consumption @ 24Vdc (mW)	419	358	310
Boxed Weight (kg)	0.27				
Body Colours Available	White (ABS fire retardant plastic)				
Lens Colour Available	Clear (with red LEDs)				



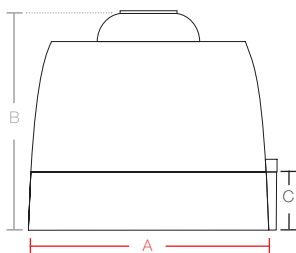
FSTSB Dimensions: A: 140mm B: 115mm C: 41mm

2-Wire Fire Alarm

dualguard+

FSTWS

2-Wire Wall Sounder



FSTWS Dimensions:

A: 93.6mm B: 85mm C: 22.5mm

NB: see tone list performance for more accurate current consumption figures

The sounder is supplied with a two-stage alarm override which is activated by a third negative wire from the fire panel. All tones have been selected to comply with the latest sound patterns and frequencies used throughout the world. All tone options are fully synchronised.

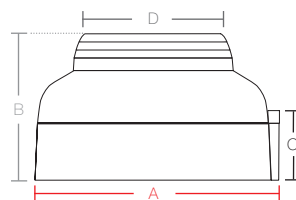
- 32 tones plus a selectable override tone
- Deep base IP65
- Unique twist and lock bayonet mounting system
- Removable cover on deep base for surface wiring
- Features base locking system as standard
- Fully compliant to BS EN54-3
- Compatible for use on BS 5839-1: 2002 + A2: 2008 installations
- Designed to work with Firesafe dualguard+ 2-wire range of products, optical and thermal detectors and 2, 4 and 8
- Zone fire control panels

TECHNICAL INFORMATION

Voltage Range (Vdc)	15 - 35		
Number of Tones	32		
Operating Frequency (Hz)	440 - 2900		
Temperature Range (°C)	-20 to +70		
Monitoring	Reverse polarity		
Protection Rating	IP65		
Boxed Weight (kg)	0.25		
Body Colours Available	Red (ABS fire retardant plastic)		
Volume Setting	High	Medium	Low
Sound Output, Typical (dBA)	102.3	97.6	82.1
Sound Output, Anechoic Chamber (dBA)	99.9	95.6	80.1
Sound Output, Reverberation Chamber (dBA)	117.7	110.7	95.3
Max. Current Consumption @ 24Vdc (mA)	30.8	16.4	8.3
Power Consumption @ 24Vdc (mW)	739	394	199

FSTS

2-Wire Visual Indicator Device 24Vdc



FSTS Dimensions:

A: 93.6mm B: 58mm C: 22.5mm D: 62.6mm

The Firesafe dualguard+ visual indicator device has been designed to work with the Firesafe dualguard+ 2-wire range of products, detectors and panels, offering a cost effective solution to visual indicator device installation. The visual indicator device has been designed for maximum all round visibility coupled with low power consumption utilising an array of energy efficient LED's.

The product is designed with particular consideration to system power demands and uniquely comes with two wiring configurations for standard and low power settings. The low current features of the product allow the installer to use a larger number of visual devices on a system and negates the need for additional power supplies.

- Red polycarbonate lens
- Deep base IP65
- Unique dual power wiring configuration for energy saving install options
- Designed to work with Firesafe dualguard+ 2-wire range of products, optical and thermal detectors and 2, 4 and 8 zone fire control panels

TECHNICAL INFORMATION

Voltage Range (Vdc)	20 - 35	
Temperature Range (°C)	-20 to +70	
Flash Rate	c. 1Hz	
Monitoring	Reverse polarity	
Protection Rating	IP65 (deep)	
Boxed Weight (kg)	0.17 (deep)	
Body Colours Available	Red (ABS fire retardant plastic)	
Lens Colours Available	Red	
Setting	Standard	Low
Max. Current Consumption @ 24Vdc (mA)	5	3
Power Consumption @ 24Vdc (W)	120	72

2-Wire Fire Alarm

dualguard+

FSTSS

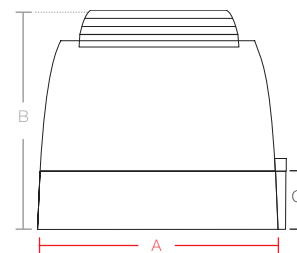
2-Wire Sounder Visual Indicator Device 24Vdc

The Firesafe dualguard+ sounder visual indicator device has been designed for use with the Firesafe dualguard+ 2-wire range of products, detectors and panels, offering a cost effective solution to sounder installation.

The sounder function comes as standard with 32 tones. Coupled with low power consumption utilising an array of energy efficient LED's. The sounder function features a two-stage alarm override which is activated by a third negative wire from the fire panel.

Both the sounder and visual indicator device functions are fully synchronised. The product can also be used as a visual indicator device only which is easily selected by a dim switch at the time of installation.

- 32 tones plus a selectable override tone
- Deep base IP65
- Switch selectable visual indicator device only feature
- Unique twist and lock bayonet mounting system
- Removable cover on deep base for surface wiring
- Features base locking system as standard
- Compliant to BS EN54-3
- Designed to work with Firesafe dualguard+ 2-wire range of products, optical and thermal detectors and 2, 4 and 8 zone fire control panels



FSTSS Dimensions:

A: 93.6mm B: 85mm C: 22.5mm

TECHNICAL INFORMATION

Voltage Range (Vdc)	18 - 35		
Number of Tones	32		
Operating Frequency (Hz)	440 - 2900		
Temperature Range (°C)	-20 to +70		
Flash Rate	c. 1Hz		
Monitoring	Reverse polarity		
Protection Rating	IP65		
Boxed Weight (kg)	0.25		
Body Colours Available	Red (ABS fire retardant plastic)		
Lens Colours Available	Red		
Volume Setting	High	Medium	Low
Sound Output, Typical (dBA)	99.1	95.4	79.7
Sound Output, Anechoic Chamber (dBA)	98.0	94.3	78.5
Sound Output, Reverberation Chamber (dBA)	113.6	110.2	96.0
Max. Current Consumption @ 24Vdc (mA)	34.4	19.9	10.8
Power Consumption @ 24Vdc (mW)	826	478	259

NB: See tone list performance for more accurate current consumption figures

Generation 2 Addressable Products

generation2



GENERATION 2 ADDRESSABLE FIRE PANEL

The Fire Control Panel is available with up to four fire detection loops capable of hosting up to 240 device per loop using the Argus Vega protocol.

Leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all fire detection systems, the control panel can be expanded and networked to become part of much larger systems if the need arises providing a future proof solution for any installation.

With its large graphical display and ergonomic button and indicator layout, the control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

GENERATION 2 ADDRESSABLE DETECTION DEVICES

The G2 sensor range is a comprehensive series of fully intelligent microprocessor controlled wired devices. They provide an ideal solution for the detection of fire in a broad range of environments and system types, from small installations to the most complicated and demanding application. The range comprises of an Optical Sensor, Heat Sensor and Multi Sensor for all types of installations.



- Fully approved to relevant BS5838 and EN54 Standards
- 3rd Party approval by LPCB
- CPR approved meeting CE Certification requirements
- Highly reliable digital protocol
- Optional built in bi directional loop isolation in all devices
- Extended temperature range (-30°C to +70°C)
- Magnet test facility
- Improved system capacity of up to 240 devices per communication loop
- Full integration with the Hyfire wireless system and devices
- Bi colour 360°LED provide device status information from any view point
- Temperature sensor switchable between class A1R and class B
- Independent switching of Optical and Thermal elements in Multi Sensor
- Identification tag on base

ADDRESSABLE CALL POINT MODULES

The G2 sensor range is a comprehensive series of fully intelligent microprocessor controlled input and output devices. Along with a fully re-settable manual call point they provide an ideal solution for the detection of fire in a broad range of environments. A full range of modules for every application, including supervised and non-supervised input and output modules. All modules have several mounting methods including DIN rail and plate mount. There are relay module - input and output. Again both supervised and non-supervised. A range of multiway relay inputs and outputs for controlling multiple volt free contacts. A new mains relay module will be available soon.



- 3rd Party approval by LPCB
- Fully approved to relevant BS5838 and EN54 standards
- CPR approved meeting CE Certification requirements
- Highly reliable digital protocol
- Built in bi directional loop isolation in all devices
- Extended temperature range (-30°C to +70°C)
- Improved system capacity of up to 240 devices per communication loop
- Full integration with the Hyfire wireless system and devices
- Various mounting options
- Supervised and non-supervised in/outputs
- Multiway options
- Resettable callpoint with easy view of activated LED
- Protection cover available for call point

Generation 2 Addressable Products

generation2

ADDRESSABLE AUDIO VISUAL DEVICES

NEW: PART 23 APPROVED

The new G2 range of sounders comprises of wall sounders and beacons and base sounder beacons. A completely new modular range of wall sounders and wall sounder beacons, fully compliant and approved to EN 54 Part 23 – the new beacon standard. It comprises of a conventional sounder/ sounder beacon with optional plug in modules to give a fully intelligent wired or fully intelligent wireless option.

All the sounders and sounder beacons have an IP65 rating for outdoor use - no need to specify a different product for outside. To complement the range are both base sounders and base sounder beacons. These fit neatly under the detectors to provide a single detection and alarm location. Covers are available to use with the base sounders to provide a neat solution where a wall sounder is not suitable.

- 3rd Party approval by LPCB
- Fully approved to EN 54 Part 23 for Beacons
- CPR approved meeting CE Certification requirements
- IP65 rating on wall sounder and wall sounder beacon
- Highly reliable digital protocol
- Modular design
- Built in bi directional loop isolation on intelligent module element
- Extended temperature range (-30°C to +70°C)
- Improved system capacity of up to 240 devices per communication loop
- Full integration with the Hyfire wireless system and devices
- Base sounders and base sounder beacons
- Covers available for the base sounders

Note: Convert Conventional to Addressable using the intelligent module



Addressable Fire Alarm

FXP501E

Single Loop Analogue Addressable Fire Control Panel



Designed to comply with EN54 parts 2 and 4, our new FXP networkable analogue addressable fire alarm panel offers an array of users and installer-friendly features, including:-

- Full compatibility with Apollo's XP95/Discovery and Hochiki ESP protocols
- Two independently programmable conventional sounder circuits
- Alert, Reset, Silence and 'Class Change' inputs
- A fault output relay and three programmable relay outputs
- A zone dependency (coincidence) function
- A day/night (building occupied/unoccupied) function
- An investigation delay period function
- Individual sensitivity settings for each device
- A phased evacuation facility
- An alarm counter that records the number of times the FXP has been in an alarm state
- A comprehensive auto-learn facility that allows the panel to self-configure to devices connected to the loop(s)
- An intuitive Windows based upload-download PC program allowing the system to be programmed quick and easy

Available in two different versions (single loop 16 zone and 1 to 2 loop 32 zone), the FXP's network protocol allows up to eight master panels (any version) to be connected together with an additional four repeaters available per master.

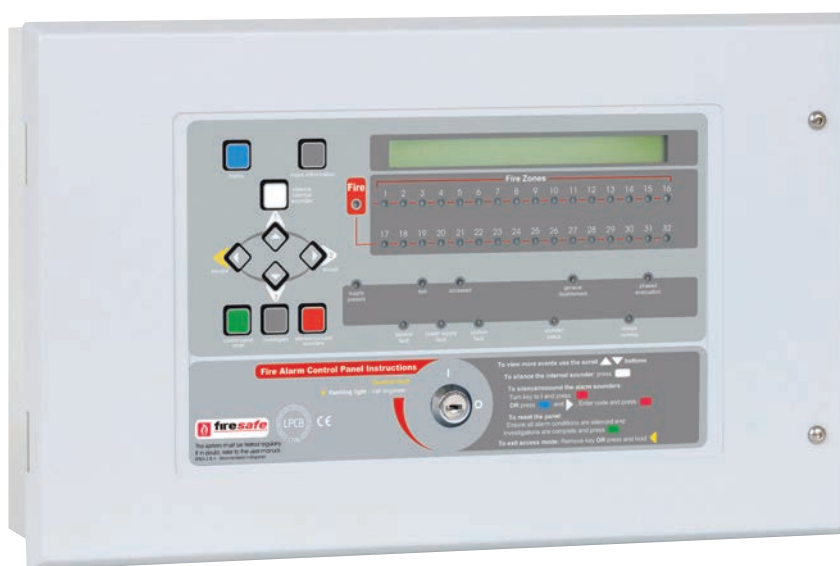
TECHNICAL INFORMATION

	FXP 1 LOOP, 16 ZONE	FXP 1 TO /2 LOOP, 32 ZONE
Mains supply voltage	230V AC + 10% 50/60Hz	230V AC + 10% 50/60Hz
Total output current limited to	27V DC Nominal	27V DC Nominal
Number of loop drivers	1	1 (FXP501/X; FXP501/H) 2 (FXP502X; FXP502/H)
Max. loop output current	500mA	500mA
Max. number of addressable devices per loop	126	126
Max. number of loop powered sounders per loop @10mA	40	40
Number of programmable sounder groups	15	15
Number of programmable output sets	16	16
Number of programmable circuits	2	2
Outputs fused at	400mA	500mA
Max. number of sounders @ 20mA	40	50
Approx. dimensions of back box(WxHxD)	380x235x77mm (plastic)	410x250x80mm (metal) includes 'lip'
Approx. dimensions of lid (WxHxD)	380x235x16mm (plastic)	439x274x7mm (metal)
Approx. weight (without batteries)	1.9kg	4.5kg

Addressable Fire Alarm

FXP502X

2 Loop Analogue Addressable Fire Control Panel



FXP SINGLE LOOP 16 ZONE FIRE PANELS

- FXP501E/X** FXP Networkable single loop 16 zone panel (XP95/Discovery). Keypad/keyswitch entry, c/w 1.4A psu, plastic enclosure.
- FXP501E/H** FXP Networkable single loop 16 zone panel (Hochiki ESP). Keypad/keyswitch entry, c/w 1.4A psu, plastic enclosure.

FXP 1 LOOP 32 ZONE FIRE PANELS

- FXP501X** FXP Networkable one loop 32 zone panel (XP95/Discovery). Keypad/keyswitch entry, c/w 3A psu, metal enclosure.
- FXP501H** Networkable one loop 32 zone panel (Hochiki ESP). Keypad/keyswitch entry, c/w 3A psu, metal enclosure.

FXP 2 LOOP 32 ZONE FIRE PANELS

- FXP502X** FXP Networkable two loop 32 zone panel (XP95/Discovery). Keypad/keyswitch entry, c/w 3A psu, metal enclosure.
- FXP502/H** FXP Networkable two loop 32 zone panel (Hochiki ESP). Keypad/keyswitch entry, c/w 3A psu, metal enclosure.

FXP REPEATERS

- FXP510P** FXP Networkable repeater panel, 16 zones (all protocols). Code entry, c/w psu plastic enclosure
- FXP510** FXP Networkable repeater panel, 32 zones (all protocols). Keyswitch entry, c/w psu metal enclosure

FXP BEZELS

- FTFB** Flush mounting bezel (for FXP 32 zone panels & repeaters). FXP 16 zone panels have been designed so they can be surface or semi-flush mounted without the need for an additional bezel.

FXP NETWORK COMMUNICATION CARDS

- FXP761** FXP network communication card for FXP 16 zone panels. All protocols, one required for each networked panel.
- FXP711** FXP network communication card for FXP 32 zone panels. All protocols, one required for each networked panel.

FXP PROGRAMMING SOFTWARE

- FXP507** FXP upload download software kit (all protocols). Compatible with Windows 98, 2000, XP complete with programming lead.
- FXP507L** FXP software lead only.
- FBF232** RS232 to USB convertor.

FXP PRINTER

- FXP709** FXP off-board printer kit.

Generation 2 Wireless Fire



This system raises wireless fire detection to new levels of reliability and flexibility. Utilising the latest wireless technology providing rapid, yet economic wireless system installation with minimal disturbance to the surrounding.

With its fully wireless or hybrid technology and an impressive range of devices the system is perfect for a wide variety of applications, from sensitive heritage buildings, extending an existing wired system, temporary fabrications etc.

Offering one of the most flexible wireless systems on the market today. Mixing hard wired devices and wire free devices on the same system if necessary using the translator modules communicating with up to 100 devices per translator if required.

All field devices having a typical operating range of up to 150m of free air and if required additional expanders or translators are available to help boost the signal strength if/where required.

This technology makes it possible to configure virtually any size or complex system.

Generation 2 Wireless Fire

Patented technologies to comply with the latest EN54:25 2008 standards allow communication between the devices and translators utilising bi-directional communication to ensure system integrity is kept at all times.

Advanced wireless communication allows the system to deliver fully addressable integration allowing analogue values, fire and fault expected in any high level life safety system.

All Generation 2 wireless devices are powered by standard low cost lithium batteries to minimise any time lost on site with potential maintenance requirements.

Battery life of up to 5 years can be expected from the primary cell with a further 2 months from the secondary back-up cell supplied as standard.



SPECIAL FEATURES

- Bi-directional radio communication with the wire to wireless translator module
- 868MHz frequency with 7 transmission channels
- Highly secure and reliable transmission
- Central bi-colour LED (red/green) guarantees 360° visibility
- Programmable sensitivity
- Fast, simple and economic installation
- 3 volt primary and secondary battery status monitored



Generation 2 Wireless Fire

ANALOGUE ADDRESSABLE FIRE CONTROL PANEL

The Fire Control Panel is available with up to four fire detection loops capable of hosting up to 240 device per loop using the Argus Vega protocol.

Leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all fire detection systems, the control panel can be expanded and networked to become part of much larger systems if the need arises providing a future proof solution for any installation.

With its large graphical display and ergonomic button and indicator layout, the control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

TRANSLATOR MODULE

The heart of the systems wireless connectivity, utilising proven technology and frequencies combined with patented antenna designed systems ensuring a reliable and secure connection at any given time. Powered by the Control Panel detection loop, the Translator Module and its connected devices are identified with individual addresses.

The key to the system, the Translator Module is fully featured:

- Patented double orthogonal antenna to guarantee reliable communication
- Unique frequency hopping algorithm
- High noise immunity
- Bi-directional communication protocol between all wireless devices
- 7 transmission channels
- Up to 32 devices per Translator Module
- System can be programmed through an onboard keypad or a computer

Expanders are available to boost the signal when covering areas which maybe out of range allowing the system to be virtually any size.



Generation 2 Wireless Fire

DETECTION DEVICES

Available in three variants, Optical, Thermal and Multi-Criteria making the system suitable for the widest range of applications.

Both smoke detectors have a patented chamber design preventing unwanted alarms using a double dust trap.

The thermal detector can be programmed to operate either as a Fixed Temperature, Rate of Rise or High Temperature Rate of Rise.



AUDIO-VISUAL WARNING DEVICES

Industry leading range of wireless audio visual devices providing a visually attractive, cost effective solution.

Makes additions to existing wired systems easy and cost effective.

Utilises standard low cost lithium battery technology.

Fully monitored primary and secondary power sources.

Variants to included wall and base mounted options with adjustable volume control if required.

All wall mounted variants available in either red or white, internal or external.

Convert Conventional to Wireless using the wireless module



MANUAL CALL POINTS AND MODULES

A fully intelligent wireless resettable Manual Call Point compatible with all Generation 2 Translator Modules and Expander Modules.

The Generation 2 Module range consists of three variants: a single Input Module; a Battery Powered Output Module and an externally powered Output Module.

Manual Call Points and Modules fully monitored for fire, fault and quiescent condition.

The Input Module allows the connection of third party equipment and systems.

The Output Module allows the switching of a load and can be configured to be either normally open or normally closed.



EV Series Emergency Voice

EMERGENCY VOICE

Communication systems such as the EV series emergency voice communication (EVC) system is suitable for use in all types of EVC applications - be it a disabled refuge, fire telephone or stadium marshalling system.

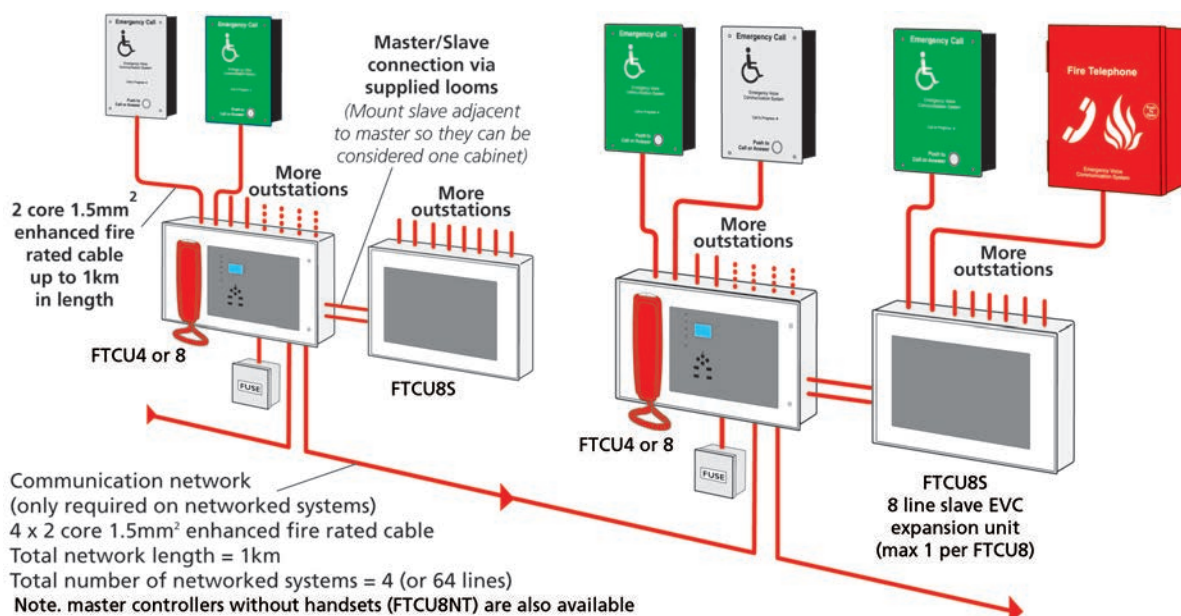
FTCU8

Master Line Controller



- Allowing operators to communicate with up to eight assorted outstations
- Supplied c/w backlit LCD & handset
- Can be semi-flush mounted if required using the flush mounting bezel with an optional tamper resistant cabinet available
- Requires 1 X FBC4 2 X 12V 7AH batteries
- 4 zone option available ref: FTCU4

TYPICAL WIRING LAYOUT



EV Series Emergency Voice

EVCS CONTROLLERS

EVCS comprises a range of wall-mounting controllers which can handle 4 or 8 lines (dependent on the model purchased). Typically located in a building's control room or a fire services access point, each controller allows management and/or the emergency services to communicate via telephone-style handsets with the system's 'outstations'. For a larger system, an 8 line expansion unit allows systems of up to 12 or 16 lines to be easily implemented. An optional network communication card can be used to interlink up to four master controllers for systems of up to 64 lines.

FT302GF/FT302GS

Type B Green Refuge Outstations

- Allows anyone in a disabled refuge to communicate with building control at the touch of a button and vice versa
- Finished in tough, durable green steel
- Flush and surface versions available
- Includes connections for an optional induction loop system
- Easily interfaced to strobes, CCTV activation relays and/or disabled toilet alarm systems



FTOSS

Fire Telephone Outstation

This unit has been designed for use in fire telephone and stadium marshalling applications, allowing fire marshals or stewards to communicate with building control via a telephone handset and vice versa. This unit would be typically located at entrances and fire fighting lobbies and supplied as standard in a red lockable steel wall mounting cabinet.



FTHF0SS

Surface Disabled Refuge Outstation

Allowing anyone in the disabled refuge to communicate with building control/responsible person at the touch of a button and vice versa.

High quality brushed stainless steel finish.

Easily interfaced with strobes, cctv, compatible disabled person toilet alarm or induction loop system.



OPTION: FTHF0SF FLUSH DISABLED REFUGE OUTSTATION

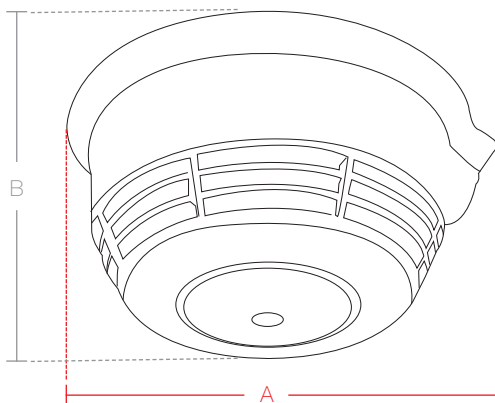
Residential Alarms

raseries
residential alarms

MAINS POWERED SMOKE ALARMS

FRAOMB Firesafe RA Mains Optical Smoke Detector c/w alkaline battery back-up (3xAAA)

FRAOMBL Firesafe RA Mains Optical Smoke Detector c/w rechargeable lithium cell back-up



FRAOMB/FRAOMBL Dimensions: A: 120mm B:58mm

The new range of Quick-Fix optical smoke alarms comes with our unique X-Profile photoelectric chamber, controlled by bespoke software and featuring TSE-Technology (Thermal Stability Enhancement), specifically designed to reduce nuisance alarms while maximising the detection of smoke and fire.

- Unique X-Profile detection chamber
- TSE-Technology (Thermal Stability Enhancement) provides stability across a range of environmental conditions, reducing nuisance alarms whilst enhancing detection
- Alarm silence button. Ideal in non-emergency situations (nuisance alarms)
- Silence low battery warning chirp for up to 10 hours. Maintains continuous protection during sleeping hours
- Test button. Extra large for ease of use
- NEW Quick-Fix design simplifies fixing and wiring of the baseplate
- NEW push fit wiring connection - fast and secure
- Install the base first, then install the alarm later, after all the works have been completed, preventing contamination by dust, paint etc
- Smoke and heat alarms share the same base allowing interchangeability
- Dedicated and discrete entry for surface mounted trunking
- Fully approved and certified
- Can interlink up to 15 smoke/heat detectors

SENSITIVE TOWARDS THE ENVIRONMENT*

* When it comes to our products we are considerate and caring towards the environment



Residential Alarms

raseries residential alarms

MAINS POWERED HEAT ALARMS

FRAHMB Firesafe RA Mains Heat Detector c/w alkaline battery back-up (3xAAA) featuring Fast-Fix

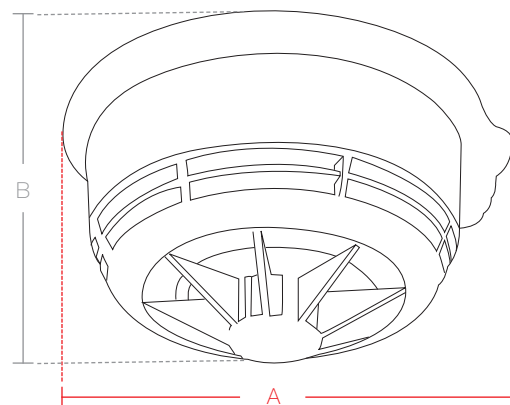
FRAHMBL Firesafe RA Mains Heat Detector c/w rechargeable lithium cell back-up

The new and range of Quick-Fix heat alarms comes with advanced thermistor based detection, specifically designed for applications where smoke alarms would be unsuitable, such as kitchens and dusty or dirty areas.

- Advanced thermistor detection
- Alarm silence button. Ideal in non-emergency situations (nuisance alarms)
- Silence low battery warning chirp for up to 10 hours. Maintains continuous protection during sleeping hours
- Test button. Extra large for ease of use
- NEW Quick-Fix design simplifies fixing and wiring of the baseplate.
- NEW push fit wiring connection - fast and secure.
- Install the base first, then install the alarm later, after all the works have been completed, preventing contamination by dust, paint etc.
- Smoke and heat alarms share the same base allowing interchangeability.
- Dedicated and discrete entry for surface mounted trunking
- Can interlink up to 15 smoke/heat detectors

SENSITIVE TOWARDS THE ENVIRONMENT*

- * When it comes to our products we are considerate and caring towards the environment



FRAHMB/FRAHMBL Dimensions: A: 120mm B: 65mm

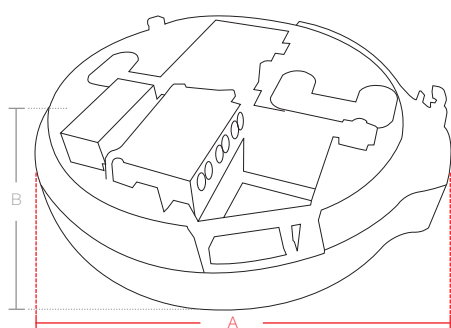
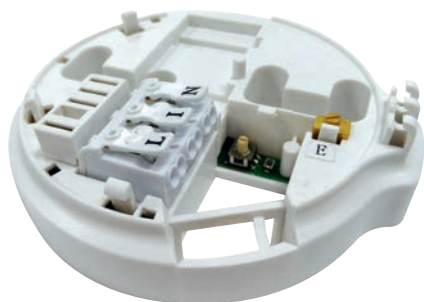


Residential Alarms

ra series
 residential alarms

FRAWB

Wireless Base



FRAWB/FRARB Dimensions: A: 120mm B: 24mm

Designed to replace the standard base plate supplied with the FRAOMB/FRAHMB and FRAOMBL/FRAHMBL range of residential alarms.

Maximum of 15 smoke or heat alarms on any one system, it allows the installer to power them all from a regularly used local lighting circuit (BS5839-6:2004 section 15.5) without the need to run a separate interlinking wire.

The built in 10 year tamper proof lithium battery will ensure continued operation in the event of mains failure.

The built in multi coloured LED provides both easy and helpful indication during the simple two stage set-up procedure and lifetime operation.

FRARB

Relay Base



Designed to replace the standard base plate supplied with the FRAOMB/FRAHMB and FRAOMBL/FRAHMBL range of residential alarms.

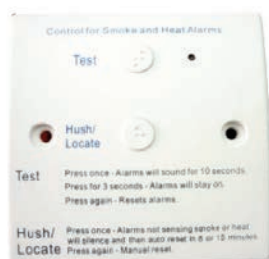
Allowing all connected alarms to activate various Fire alarm ancillaries such as door retainers, remote sounders and visual products, central warning devices and other call systems.

It does this by receiving a digital signal from the alarms interlink feature and using it to power a single pole changeover relay with in turn can be used to switch connected devices on or off.

Contact rating is 230V AC / 125V DC @ 2amps

FRARTH

Remote Test & Hush



- Typically wired in 1-1.5mm 3 core & earth (6243Y)
- TEST facility, allows you to test for either 10 seconds or continuously until reset
- HUSH/LOCATE facility, allows you to hush the system between 8-15 minutes
- Choice of either 3v (RA SYSTEM) or 9v (AICO/KIDDE etc).

Residential Alarms

ra series residential alarms

CO ALARMS

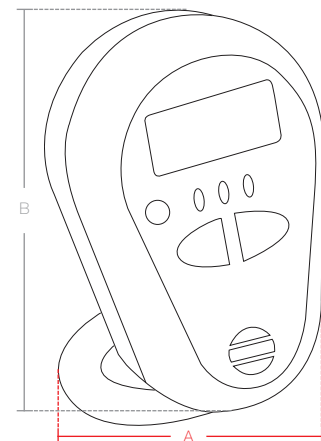
FRAC05B

Battery Operated Carbon Monoxide Alarm



This apparatus is designed to protect individuals from the acute effects of carbon monoxide exposure. It will not fully safeguard individuals with specific medical conditions, if in doubt consult a medical practitioner. This apparatus should be installed by a competent person. Store above 0°C.

- Sealed-in, long life Lithium Battery
- 5 year sensor. Top quality Figaro electrochemical sensor ensures accuracy and longevity
- Automatic sensor test
- End of life indicator. 3 short beeps every minute indicate end of sensor life
- CO Alarm silence. Silences alarm for up to 10 minutes
- Silence low battery warning chirps for up to 10 hours. Ideal for night time use
- LED indicators for power, alarm and fault condition
- Versatile mounting system allows alarm to be fixed to a surface or to be used free-standing
- Compact and stylish design



FRAC05B & FRAC07B Dimensions:
 A: 65mm B: 100mm C: 30mm Depth

FRAC07B

Battery Operated Carbon Monoxide Alarm



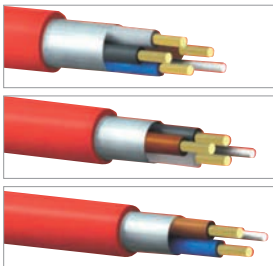
This apparatus is designed to protect individuals from the acute effects of carbon monoxide exposure. It will not fully safeguard individuals with specific medical conditions, if in doubt consult a medical practitioner. This apparatus should be installed by a competent person. Store above 0°C.

- Sealed-in, long life Lithium Battery
- 7 year sensor. Top quality Figaro electrochemical sensor ensures accuracy and longevity
- Automatic sensor test
- End of life indicator. 3 short beeps every minute indicate end of sensor life
- CO Alarm silence. Silences alarm for up to 10 minutes
- Silence low battery warning chirps for up to 10 hours. Ideal for night time use
- LED indicators for power, alarm and fault condition
- Versatile mounting system allows alarm to be fixed to a surface or to be used free-standing
- Compact and stylish design



Fire Performance Cable

zeroburn
fire performance cables



The zeroburn 'Standard' Fire Performance Cable is approved by both LPCB and BASEC to meet with BS 5839-1:2002 + A2:2008 Clause 26.2d Standard, BS EN 50200:2006 + Annex E 30 minutes, BS EN 50200:2006 PH120, BS 7629-1:2008 and BS 6387:1994 Clause 11 CWZ.

Manufactured in the UK using the latest technology, materials and manufacturing equipment. Materials and processes are recorded and tracked throughout manufacture to ensure consistent reliability and quality. All cable is marked with time and date of manufacture and each reel with a unique quality assurance batch and test number. Cable cores are twisted during manufacture to provide the highest level of data protection, ideal for long cable runs and analogue addressable fire systems.

ZEROBURN CABLE IS THE FASTEST CABLE TO PREPARE FOR TERMINATION



NO TROUBLESOME MULTIPLE SHEATHS TO STRIP

- All in one - Easy strip outer sheath
- No separate foil
- No additional fibre wraps
- No mica tape on conductors
- No additional core separators to remove

Cable has superb working flexibility but stays where you put it, reduced installation time and costs.

EMERGENCY LIGHTING SYSTEMS

Emergency Lighting System Standard BS 5266-1:2011 has replaced the previous 2005 Edition. Where a standard fire cable needs to be used for Emergency Lighting and in addition to Annex E of BS EN50200 the standard requires a fire cable to meet BS EN50200 PH60 - a one hour fire test. Is certified by LPCB and BASEC to meet twice the required duration to PH120 - a two hour duration.

BE SAFE - INSIST ON ZEROBURN FOR ALL EMERGENCY LIGHTING SYSTEMS

FEATURES

- Easy to Install and Superb Working Flexibility
- 12 Twists per Metre for Data Protection
- Red, White, Black & Orange Outer Sheaths Available
- 1mm², 1.5mm², 2.5mm² & 4.0mm²
- 200m, 500m and Special Lengths Available

- Aluminium / Co-polymer Foil Screen
- Low Smoke & Zero Halogen

Suitable for Air Conditioning, Computer Control & Lift Doors where Low Smoke & Zero Halogen is Required

APPROVED AND CERTIFIED TO MEET

BS 5839-1 : 2002 + A2 : 2008 Clause 26.2d	'Standard' Fire Performance Cable
BS EN 50200 : 2006 + Annex E 30 mins	Fire Resistance Standard
BS EN 50200 : 2006 PH120	Fire Resistance Standard
BS 7629-1 : 2008	Fire Resistance Standard
BS 6387 : 1994 Clause 11 CWZ	Fire Resistance Standard
BS EN 50267-2-1 : 1999	Halogen Emission Standard
BS EN 61034-2 : 2005	Low Smoke Standard

ALSO SUITABLE FOR

BS 5266-1 : 2011	Emergency Lighting Standard
BS 5839-8 : 2008	Voice Alarm Systems Standard
BS 5839-9 : 2003	Voice Communication Standard

(Risk Assessment May Demand Mechanical Protection)

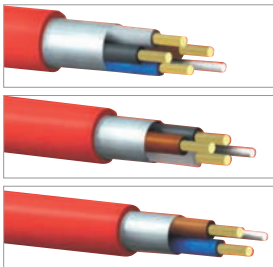
MANUFACTURED IN GREAT BRITAIN 10 YEAR WARRANTY ON ALL CABLE

Fire Performance Cable

zeroburn plus

fire performance cables

ZEROBURN PLUS CABLE IS THE FASTEST CABLE TO PREPARE FOR TERMINATION



Enhanced is approved and certified by LPCB & BASEC to fully meet the requirements of 'Enhanced' fire cables for use with UK fire systems. See details of all standards below. Manufactured entirely and only in the UK.

Cable is produced using the latest technology, materials and equipment. Every detail from start to finish is recorded and traceable, a quality batch and test number is printed on every reel, and time and date of manufacture printed along the entire length of the cable.

Cable cores are twisted during manufacture to provide the highest level of data protection, ideal for long cable runs and analogue addressable fire systems.



NO TROUBLESOME MULTIPLE SHEATHS TO STRIP

- All in one - Easy strip outer sheath
- No separate foil
- No additional fibre wraps
- No mica tape on conductors
- No additional core separators to remove

ALSO SUITABLE FOR

- Emergency Lighting Standard BS 5266-1:2011
- Voice Alarm Systems Standard BS 5839-8:2013
- Voice Communication Standard BS 5839-9:2013 (Risk Assessment May Demand Mechanical Protection)
- Irish System Standard IS 3217:2008
- Irish System Standard IS 3218:2009/AC:2010
- Cable has superb working flexibility but stays where you put it, reduced installation time and costs.

FEATURES

- Easy to Install and Superb Working Flexibility
- Up to 12 Twists per metre for Data Protection
- Red & White Outer Sheaths Available
- 1.0mm², 1.5mm², 2.5mm² & 4.0mm² Conductors
- 100m, 200m, 500m and Special Lengths Available
- Copper/Co-polymer Foil Screen
- Low Smoke & Zero Halogen
- Voltage Rating 300v/500v
- Suitable for Zone 1 and Zone 2 Hazardous Area use
- Suitable for Air Conditioning, Computer Control & Lift
- Doors where Low Smoke & Zero Halogen is required
- Supplied on Robust Grey Plastic Reels -
- Clear Identification from Standard Fire Cable



BS 5839-1:2013 Clause 26.2e	'Enhanced' Fire System Cable
BS 8519:2010 Category 2	Fire Cable Code of Practice
BS 7629-1:2008	Fire Cable Standard
BS 8434-2:2003+A2:2009 120 mins	Fire, Mechanical Shock & Water - 120 mins @ 930°C (Water final 60 mins)
BS EN 50200:2006 PH30, PH60 & PH120	Fire & Mechanical Shock - total of 120 mins @ 830°C (MS every 5 mins)
BS 6387:1994 Clause 11 CWZ	C - Fire only for 180 mins (3 hours) @ 950°C W - Fire & Water for 30 mins @ 650°C (Water final 15 mins) Z - Fire & Mechanical Shock for 15 mins @ 950°C (MS every 30 seconds)
BS EN 50267-2-1:1999	Halogen Emission Standard
BS EN 61034-2:2005	Low Smoke Standard

MANUFACTURED IN GREAT BRITAIN 10 YEAR WARRANTY ON ALL CABLE

Fire Performance Cable

zeroburn
 fire performance cables

PRODUCT CODE	CORES SIZES	CORES	OUTER SHEATH COLOUR	REEL SIZE
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ZEROBURN STANDARD RED

FPR215E	1.5mm	2 Core & Earth	Red	100m
FPR315E	1.5mm	3 Core & Earth	Red	100m
FPR415E	1.5mm	4 Core & Earth	Red	100m
FPR715E	1.5mm	7 Core & Earth	Red	100m
FPR225E	2.5mm	2 Core & Earth	Red	100m
FPR325E	2.5mm	3 Core & Earth	Red	100m
FPR425E	2.5mm	4 Core & Earth	Red	100m
FPR240E	4.0mm	2 Core & Earth	Red	100m
FPR215E200M	1.5mm	2 Core & Earth	Red	200m
FPR215E500M	1.5mm	2 Core & Earth	Red	500m

ZEROBURN STANDARD BLACK

FPB215E	1.5mm	2 Core & Earth	Black	100m
FPB225E	2.5mm	2 Core & Earth	Black	100m

ZEROBURN STANDARD WHITE

FPW215E	1.5mm	2 Core & Earth	White	100m
FPW315E	1.5mm	3 Core & Earth	White	100m
FPW415E	1.5mm	4 Core & Earth	White	100m
FPW225E	2.5mm	2 Core & Earth	White	100m
FPW325E	2.5mm	3 Core & Earth	White	100m
FPW425E	2.5mm	4 Core & Earth	White	100m
FPW240E	4.0mm	2 Core & Earth	White	100m
FPW215E500M	1.5mm	2 Core & Earth	White	500m

ZEROBURN PLUS ENHANCED RED

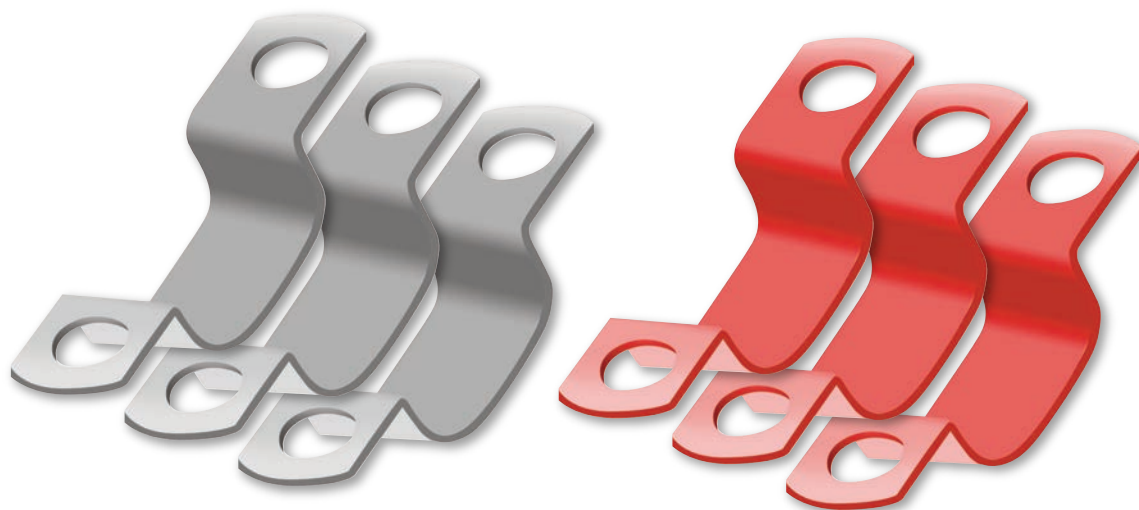
FER215E	1.5mm	2 Core & Earth	Red	100m
FER415E	1.5mm	4 Core & Earth	Red	100m
FER225E	2.5mm	2 Core & Earth	Red	100m
FER215E200M	1.5mm	2 Core & Earth	Red	200m
FER215E500M	1.5mm	2 Core & Earth	Red	500m

ZEROBURN PLUS ENHANCED WHITE

FEW215E	1.5mm	2 Core & Earth	White	100m
FEW225E	2.5mm	2 Core & Earth	White	100m
FEW215E500M	1.5mm	2 Core & Earth	White	500m

Clips and Saddles

zeroburn
fire performance cables



FIXING CLIP RANGE

PRODUCT CODE	DESCRIPTION	SUITABLE CABLE SIZES
FPC28B	zeroburn fixing clip - Black	7-7.5mm
FPC28R	zeroburn fixing clip - Red	7-7.5mm
FPC28W	zeroburn fixing clip - White	7-7.5mm
FPC30R	zeroburn fixing clip - Red	7.6-8mm
FPC30W	zeroburn fixing clip - White	7.6-8mm
FPC32R	zeroburn fixing clip - Red	8-8.5mm
FPC32W	zeroburn fixing clip - White	8-8.5mm
FPC34R	zeroburn fixing clip - Red	8.5-9.2mm
FPC34W	zeroburn fixing clip - White	8.5-9.2mm
FPC37R	zeroburn fixing clip - Red	9.3-10mm
FPC37W	zeroburn fixing clip - White	9.3-10mm
FPS302R	zeroburn fixing saddle - Red	7-7.5mm
FPS302W	zeroburn fixing saddle - White	7-7.5mm
FPS342R	zeroburn fixing saddle - Red	7.5-10mm
FPS342W	zeroburn fixing saddle - White	7.5-10mm
FPS382R	zeroburn fixing saddle - Red	10-12mm
FPS382W	zeroburn fixing saddle - White	10-12mm

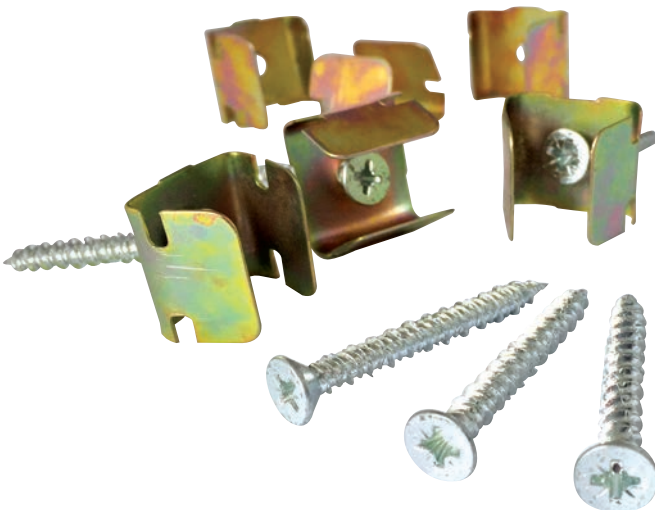
Fire Performance Clips & Screws

zeroburn
fire performance cables

DIRECT CONCRETE SCREWS & TRUNKING CLIPS

FPTC zeroburn Fire Cable Trunking Clip

FPTCS zeroburn Fire Performance Trunking Clip Screw



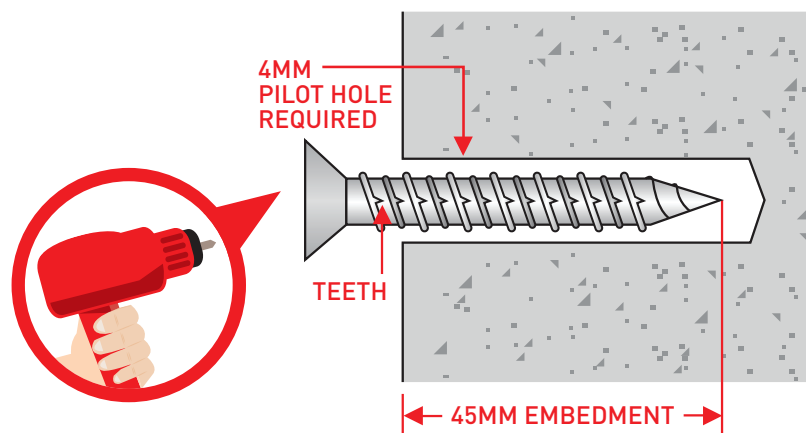
EXTRACT FROM BS 7671:2008 INCORPORATING AMENDMENT 3:2015

SECTION 521.11.201

Wiring systems in escape routes shall be supported such that they will not be liable to premature collapse in the event of fire. The requirements of Regulation 422.2.1 shall also apply, irrespective of the classification of the condition for evacuation in an emergency.

NOTE 1: Non-metallic cable trunking or other non-metallic means of support can fail when subject to either direct flame or hot products of combustion. This may lead to wiring systems hanging across access or egress routes such that they hinder evacuation and fire fighting activities.

NOTE 2: This precludes the use of non-metallic cable clips, cable ties or cable trunking as the sole means of support. For example, where non-metallic cable trunking is used, a suitable fire-resistant means of support/retention must be provided to prevent cables falling out in the event of fire.



DIRECT CONCRETE SCREWS = NO NYLON PLUGS

The special teeth hold the screw directly into the concrete wall without the need for wall plugs

Non Fire Alarm Related New Range of Cables

PRODUCT CODE	DESCRIPTION	COLOUR	SIZE
TCCA 125 OHM INTRUDER CABLE			
AWTC4	4 Core 7x 0.16mm Strands	White	100m
AWTC6	6 Core 7x 0.16mm Strands	White	100m
AWTC8	8 Core 7x 0.16mm Strands	White	100m
AWTC12	12 Core 7x 0.16mm Strands	White	100m
CCTV COAX / SATELLITE CABLE			
VKRG	RG59 75 Ohm	Black	100m
VKRGDC	RG59 75 Ohm + 2x DC Cores	Black	100m
VKRG6	RG6 PVC Coax	Black	100m
VKRG6W	RG6 PVC Coax	White	100m
CT100	Premium Satellite	Black	100m
CT100D	Premium Black Satellite Twin	Black	100m
TELEPHONE CABLE / BELL WIRE / SPEAKER CABLE			
TC2PW	CCS 2Pair Telephone Cable	White	100m
TC3PW	CCS 3Pair Telephone Cable	White	100m
TC4PW	CCS 4Pair Telephone Cable	White	100m
BWEW	Bell Wire	White	100m
SC13STR	13 Strand Speaker Cable	White	100m
SC42STR	42 Strand Speaker Cable	White	100m
SC79STR	79 Strand Speaker Cable	White	100m

Surface Mount Detector Cage

generation2



FSDCS

Firesafe Generation2 Surface Mount Detector Cage (155x100x80mm)

The risk of abuse to smoke detectors is severe. Minimise the risk by installing the Steel Web Stopper product.

As smoke detectors are located in vulnerable areas the potential for vandalism or accidental damage is frequent. Manufactured in steel as standard but available in stainless steel and tough polycarbonate as a choice to compliment your building interior where necessary.

FCPCRSS

Firesafe Generation2 Indoor Surface Mounting Call Point Cover and Sounder

The Firesafe Generation2 Indoor Surface Mounting Cell Point Cover is a tough polycarbonate hinged protective cover that can easily be installed over a range of call points, emergency switches and other devices to provide protection from vandalism, accidental damage or misuse.

The FCPCRSS can also be fitted with an integral battery powered alarm, that when lifted emits an ear piercing 90dB pre-alarm, warning the user that the device is for emergency use only and should not be tampered with.

In its red form it is commonly installed over fire alarm break glass call points to protect the break glass from deliberate misuse or accidental damage and this subsequently reduces the incidents of false fire alarms.



CODE	DESCRIPTION
FCPCRF	Firesafe Generation2 Indoor Flush Mounting Cell Point Cover - Red
FCPCRS	Firesafe Generation2 Indoor Surface Mounting Cell Point Cover - Red
FCPCRFS	Firesafe Generation2 Indoor Flush Mounting Cell Point Cover and Sounder - Red
FCPCRSS	Firesafe Generation2 Indoor Surface Mounting Cell Point Cover and Sounder - Red
FSDCS	Firesafe Generation2 Surface Mount Detector Cage (155x100x80mm)

Note: Other colour variants available to order if required please contact sales for further details.

Site Alarms

FSSA

Howler Wire Free Site Alarm

- A battery operated fire alarm system for use in temporary situations
- Construction
- Campsites
- Temporary events
- Temporary buildings
- Satisfying the HSE requirements for temporary evacuation systems
- Rotary hand bells not the preferred choice now days
- Visual indication to assist with DDA
- Low battery indication.



HIT IT AND RUN FOR LESS WITH THE NEW HOWLER SITE ALERT.

With HSE increasing their focus on temporary fire alarms in the construction industry making the rotary hand bell and air horn less acceptable, the Site Alert is for smaller sites with smaller budgets. Built on the same core building blocks as the Original Howler –reliable, simple and tough – and sounding at 100dB at 1 metre, you'll find them difficult to ignore.

Its compact design (75mm (D) x 260mm (H) x 160mm (W)) makes it very easy to mount on fire points and the clear visual instructions mean that it is difficult to miss. Boxed in tough, branded cartons makes it easy to store in the warehouse and ship to your clients without any worries about damages in transport or extra packaging requirements.

All Site Alerts can be linked in groups of up to 20 units, all have automatic low battery warning, high intensity LED strobe and IP rated push on/push off light up switch.

Note: Part of a larger available family to order, please contact Firesafe sales offices for more detail.



Fire Safety

XB3 Hard Pack Fire Blanket 1m x 1m

XB4 Hard Pack Fire Blanket 1.8m x 1.8m (available to order)



- All products are Kitemarked and manufactured to BS EN 1869:1997
- Manufactured in UK under BS EN 9001:2000 Quality Management System
- A range of glass fibre fire blankets for domestic and light industrial use
- Supplied in red hard plastic container for easy surface mounting
- Fire blanket can also be used on fires involving personal clothing
- 1 metre x 1 metre fire blankets are for use in small kitchens, for homes and caravans
- 1.8 metre x 1.8 metre fire blankets are suitable for commercial kitchen use and also effective when used for personnel safety and workshop use. This fire blanket can also be used to wrap around a person whose clothes are on fire

Fire blankets are made of fire resistant materials and efficiently packaged in a choice of containers. They are particularly useful for smothering fires or for wrapping round a person whose clothing is on fire. They are also simple to use and extremely effective in smothering chip pan fires. They are suitable in many commercial situations, to combat fires in laboratories, to protect people, or even just to put out an accidental fire in a waste paper bin.

The fire blanket is placed over a fire in order to smother it and work by excluding air from the fire, and extinguishing it.

FXT1 0.6kg Firesafe Dry Powder Fire Extinguisher

FFAVK First Aid Vehicle Kit (kit contents as below)



All company cars, vans and PSVs should BY LAW have some form of first aid kit in case of accidental injury. Ensure your employees and passengers are protected.

- | | |
|--|-------------------------------------|
| • 2 x Non-Adherent Dressing Pad 5cm x 5cm | • 1 x No 16 Eyepad |
| • 1 x Non-Adherent Pad 7.5cm x 7.5cm | • 6 x Moist Wipes |
| • 20 x Assorted Washproof Plasters | • 1 x Survival Blanket |
| • 2 x Triangular Bandage | • 1 x Instant Ice Pack |
| • 1 x Medium Dressing | • 1 x First Aid Scissors |
| • 1 x Large Dressing | • 1 x Conforming Bandage 7.5cm x 4m |
| • 1 x Resuscitation Mouthshield with Valve | • 1 x Microporous Tape |
| • 1 x Gloves (Pair) | • 1 x First Aid Guidance Leaflet |
| • 1 x Finger Bandage | |

Fire Extinguishers

FXT1

0.60kg BC Dry Powder Fire Rating 21B

- BSI certified to BS6165:2002
- Easy low cost maintenance
- Suitable for B and C fire classifications
- Safe for use on electrical equipment
- Aluminium lightweight body
- Factory sealed - stored pressure
- Controlled discharge and easy to operate

These 600g and 950g BC Powder Fire Extinguishers are designed for use on all types of motor vehicles, caravans and most areas around the home.

B and C class fires caused by petrol (lead or unleaded), diesel, oil, gas, paints, solvents, greases, and also fires involving electrical equipment and gaseous fires.

TECHNICAL INFORMATION

Capacity	0.60kg
Total weight	0.76kg
Total height	281mm
Total width	94mm
Working temp.	-20°C to +60°C
Discharge time	6 seconds
Discharge range	2-3 metres
Cyl. test pressure	18 bar



FXT11 1kg ABC Dry Powder Fire Rating 5A/34B

FXT12 2kg ABC Dry Powder Fire Rating 13/70B

FXT14 4kg ABC Dry Powder Fire Rating 21/44B

FXT16 6kg ABC Dry Powder Fire Rating 27A/144B

FXT19 9kg ABC Dry Powder Fire Rating 34A/233B

- Accredited to EN3 by BSI and Kitemarked
- Stored pressure
- Easy low cost maintenance
- Safe for use on electrical equipment
- Suitable for A, B and C class fires
- Brass valve - easy to read pressure gauge
- Controlled discharge
- Powder coated, steel wire bracket

Ideal for use in vehicles, caravans, boats, agricultural machinery, farms, garages, in the home, offices and for a wide range of industrial and commercial applications.

TECHNICAL INFORMATION

	FXT11	FXT12
Capacity	1kg	2kg
Total weight	2.12kg	3.65kg
Total height	364mm	380mm
Total width	130mm	140mm
Working temp.	-30°C to +60°C	-30°C to +60°C
Discharge time	7 seconds	15 seconds
Discharge range	4 metres	5 metres
Operating pressure	14 bar @ 20°C	14 bar @ 20°C
Min. burst pressure	55 bar	55 bar



Fire Extinguishers

FXT39

9 Litre Water Fire Rating 13A



- BSI certified to BS EN3 and Kitemarked
 - Stored pressure
 - Easy low cost maintenance
 - Suitable for A class fires
 - Controlled discharge
 - Brass valve - easy to read pressure gauge
 - Protective plastic base
 - Supplied with wall-mounting bracket
 - Contents are neither harmful to people or damaging the environment

Suitable for fast and efficient Class A fires involving combustible materials such as wood, paper, textiles and other carbonaceous materials.

TECHNICAL INFORMATION

Capacity	9 Litres
Total weight	13.8kg
Total height	625mm
Total width	230mm
Working temp.	+5°C to +60°C
Discharge time	55 seconds
Discharge range	6 metres
Operating pressure	12 bar @ 20°C
Min. burst pressure	55 bar

FXT22

2 Litre AFFF Foam Fire Rating 5A/55B



- BSI certified to BS EN3 and Kitemarked
 - Stored pressure
 - Easy low cost maintenance
 - Controlled discharge
 - Safe if used in close proximity to electrical equipment
 - Suitable for A class fires
 - Brass valve - easy to read pressure gauge
 - Powder coated, steel wire bracket

Ideal for use in vehicles and in industrial/commercial premises. Widely used in taxis, mini-buses, buses and other passenger carrying vehicles. Also very effective on fires caused by the combustion of flammable liquids and materials that liquefy such as plastic oils, greases, paints and tar.

TECHNICAL INFORMATION

Capacity	2 Litres
Total weight	3.97kg
Total height	420mm
Total width	160mm
Working temp.	+5°C to +60°C
Discharge time	17 seconds
Discharge range	3-4 metres
Operating pressure	12 bar @ 20°C
Min. burst pressure	55 bar

Fire Extinguishers

FXT26 6 Litre AFFF Foam Fire Rating 13A/144B

FXT29 9 Litre AFFF Foam Fire Rating 21A/183B

- BSI certified to BS EN3 and Kitemarked
- Stored pressure
- Easy low cost maintenance
- Safe if used on electrical equipment
- Suitable for A and B class fires
- Controlled discharge
- Brass valve - easy to read pressure gauge
- Protective plastic base
- Supplied with wall-mounting bracket

Used in industrial and commercial premises, offices, petrol filling stations, chemical paint houses, boats and lorries. Also very effective on fires caused by the combustion of flammable liquids and materials that liquefy such as plastics, oils, greases, paints and tar.

TECHNICAL INFORMATION

	FXT26	FXT29
Capacity	6 Litre	9 Litre
Total weight	10.4kg	14.5kg
Total height	550mm	610mm
Total width	220mm	230mm
Working temp.	+5°C to +60°C	+5°C to +60°C
Discharge time	30 seconds	40 seconds
Discharge range	5-6 metres	5-6 metres
Operating pressure	12 bar @ 20°C	12 bar @ 20°C
Min. burst pressure	55 bar	55 bar



FXT42 2kg Carbon Dioxide c/w Frost Free Horn Fire Rating 55B

FXT45 5kg Carbon Dioxide Fire Rating 70B

- BSI certified to BS EN3 & Kitemarked
- Stored pressure
- Easy low cost maintenance
- Does not leave any residue
- Aluminium lightweight body
- Suitable for B class fires and electrical fires
- Controlled discharge
- Supplied with wall-mounting bracket
- Safe to hold swivel horn when operating FXT42

Ideal for use on precious electrical equipment and used in contamination-sensitive places such as computer rooms, labs, food storage areas and processing plants. Also suitable in offices, factories or warehouses usually alongside a foam or water unit.

TECHNICAL INFORMATION

	FXT42	FXT45
Capacity	2kg	5kg
Total weight	5kg	12.2kg
Total height	485mm	675mm
Total width	180mm	220mm
Working temp.	-30°C to +60°C	-30°C to +60°C
Discharge time	9 seconds	17 seconds
Discharge range	2-3 metres	2-3 metres
Operating pressure	56 bar @ 20°C	55 bar @ 20°C
Min. burst pressure	215 bar	215 bar



Technical Support



Offering a full system design service for fire alarm, emergency lighting and nurse call systems coupled with a highly trained and fully certified technical support team.

We are ready today to discuss your system requirement and assist at any level you require.

Have the confidence to use our FREE OF CHARGE service available to you whenever required to discuss any product requirements from the simplest to the most advance and complex system solution for your needs.

Please see below just some of the governing / approval bodies we are working closely with supported by the fire alarm industry to bring you the very best and up to date products available in the market place today where LIFE SAFETY is concerned.





light safe
emergency lighting systems

Product Range

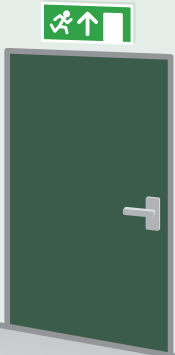





Siting of Emergency Luminaires

Upon mains failure the main purpose of emergency lighting is to guide people to a place of safety by illuminating the way and if necessary highlight any potential hazards that may need to be encountered on the way.

Any fire fighting equipment that may be found, and or used must also be taken into consideration and illuminated appropriately.

As a result when designing an emergency lighting escape system BS5266-1: 2011 recommends you should identify all points along any route to the final escape exit.

TYPICAL EXAMPLES WOULD BE:

<p>FINAL EXIT</p>  <p>To provide illumination of escape routes.</p>	<p>JUNCTIONS</p>  <p>Install within 2 metres of escape route junctions.</p>	<p>CORRIDORS</p>  <p>Install within 2 metres horizontal distance of a change in an escape route.</p>
<p>STAIRWAYS</p>  <p>Install within 2 metres horizontal distance of change in floor level or stairs (each tread to receive direct light).</p>	<p>ALARM AREAS</p>  <p>Fire alarms, first aid points and fire-fighting equipment, install within 2 metres horizontal distance.</p>	<p>FINAL EXIT</p>  <p>Install externally within 2 metres horizontal distance of any final exits. Please note that sufficient light will be needed to muster a roll call.</p>

Emergency Lighting LED

ERLED3

LED Bulkhead c/w Legend

- Switchable Maintained Operation
- IP65
- 170lm Lumen Output – Mains
- 86lm Lumen Output – Emergency
- Hinged Gear tray
- 3 Hour Emergency Operation
- 14 pcs LED
- 3.8 Watt
- 6000K
- Dimensions 278mm (L) x 110mm (W) x 60mm (H)
- 2 Year Warranty

The modern day cost effective energy efficient solution to fluorescent emergency lighting.



PHOTOMETRIC SPACING

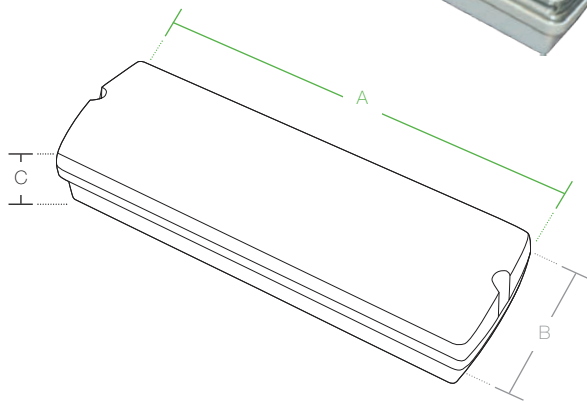
Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	2.61	5.99	2.40	6.89	2.79	4.63	2.61	6.24
2.5m	2.68	6.82	2.29	6.23	2.81	6.30	2.47	7.77
3.0m	2.41	7.41	1.99	6.99	3.07	5.22	2.62	6.09
3.5m	2.59	7.67	2.17	6.25	3.05	5.57	2.63	5.23
4.0m	2.62	6.83	1.80	5.32	3.08	7.91	2.27	7.39
5.0m	1.77	7.47	1.22	6.07	3.38	8.06	2.49	6.97
6.0m	0.79	6.12	0.13	5.25	3.92	7.62	1.07	6.36



Emergency Lighting LED

ERLED

LED Maintained Bulkhead











ERLED Dimensions: A: 346mm B: 105mm C: 78mm

- White LED lamps
- 1.2W
- IP65 rated
- Maintained 3 hour emergency operation
- Hi-temp Ni-Cd batteries
- Hinged/removeable gear tray
- Push fit terminals
- Polycarbonate enclosure
- 2 year warranty
- Dimensions (mm): 346 (l) x 105 (w) x 78 (h)
- Lumen output 102lm

The perfect energy saving solution to our fluorescent bulkhead range.

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
								
2.0m	1.85	4.75	2.54	7.46	2.42	4.58	3.14	7.07
2.5m	1.85	5.07	2.57	7.01	2.53	5.46	3.32	9.15
3.0m	1.75	5.24	2.45	7.38	2.56	5.85	3.38	8.36
3.5m	1.58	5.23	2.41	7.22	2.50	6.99	3.56	9.60
4.0m	1.26	5.17	2.29	7.21	2.24	7.20	3.65	10.01



Emergency Lighting LED

EBXLED

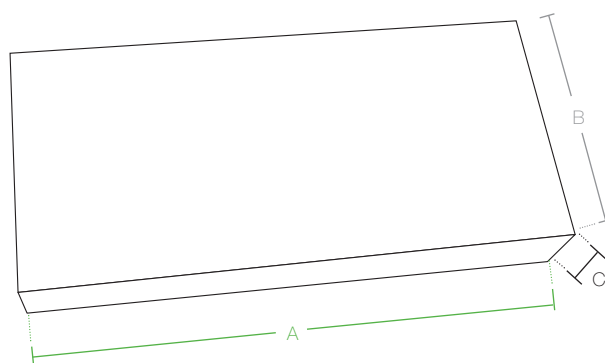
LED Maintained Exit Box



- White LED lamps
- 1.2W
- IP20 rated
- Maintained 3 hour emergency operation
- Hi-temp Ni-Cd batteries
- Removeable gear tray
- Push fit terminals
- Supplied c/w euro legend
- Steel enclosure
- 2 year warranty
- Dimensions (mm): 390 (l) x 190 (w) x 60 (h)
- Lumen output 102lm

The perfect energy saving solution to our fluorescent exit box range. Typically used as an indoor escape route emergency light to help guide from a building. Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors



EBX82 Dimensions: A: 390mm B: 190mm C: 60mm



Emergency Lighting LED

ERCLED Circular LED IP65 Bulkhead - Maintained









ERCLEDAC Circular LED IP65 Bulkhead - Mains



- White LED lamps
- 18W
- IP65 rated
- Maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd batteries
- Hinged/removeable gear tray
- Push fit terminals
- Polycarbonate body and diffuser
- 2 year warranty
- Dimensions (mm): 343 (dia) x 106 (h)
- Lumen output 239lm
- Mains option available ref: ERCLEDAC

If you want something a little more decorative or if aesthetics are more important, this bulkhead solution is perfect. Mains AC version available as an amenity style preference.

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	2.70	6.86	2.70	6.86	2.92	7.14	2.92	7.24
2.5m	2.85	7.41	2.85	7.41	3.12	7.85	3.12	7.95
3.0m	2.90	7.75	2.90	7.75	3.24	8.44	3.24	8.54
3.5m	2.86	8.05	2.86	8.05	3.35	8.99	3.35	9.09
4.0m	2.72	8.14	2.72	8.14	3.38	9.41	3.38	9.51
5.0m	2.15	8.03	2.15	8.03	3.34	10.20	3.34	10.30



Emergency Lighting LED

ERLEDF









Flush LED Bulkhead

- White LED lamps
- 0.5W
- IP20 rated
- Hinged gear tray
- Push fit terminals
- 2 year warranty
- Maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd batteries
- Steel body and polycarbonate prismatic diffuser
- Dimensions (mm): 409 (l) x 137 (w) x 92 (h)
- Lumen output 174lm



Where aesthetics are a priority and the typical bulkhead is not an option, why not consider the LED flush variant option?

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	2.47	5.82	2.43	5.96	2.66	3.40	2.62	3.40
2.5m	2.75	6.52	2.70	6.70	2.93	3.86	2.89	3.81
3.0m	2.97	7.09	2.92	7.32	3.14	4.22	3.10	4.21
3.5m	3.18	7.61	3.12	7.88	3.35	4.54	3.30	4.52
4.0m	3.33	8.07	3.27	8.40	3.53	4.84	3.48	4.85
5.0m	3.53	8.81	3.50	9.25	3.81	5.40	3.78	5.41
6.0m	3.68	9.42	3.61	9.90	4.06	5.85	3.99	5.84
7.0m	3.68	9.80	3.61	10.42	4.24	6.26	4.16	6.25
8.0m	3.56	10.05	3.48	10.70	4.36	6.55	4.27	6.54
9.0m	3.32	10.24	3.23	10.88	4.41	6.81	4.31	6.78
10m	2.91	10.14	2.73	10.87	4.51	6.97	4.25	7.20



Emergency Lighting LED

EBLED3

LED M Multifunction Bladelight



- White LED lamps
- Maintained 3 hour emergency operation
- 3.6V 800mAh Ni-Cd batteries
- Supplied c/w multi function fixing brackets
- Supplied c/w 6 interchangeable legend plates
- Polycarb body and diffuser
- Double sided
- 2 year warranty
- Dimensions (mm) 345(A) x 215(B)
- 2.5 Watt
- 35 Lumen Output – Emergency

Perfect solution when considering drop light options and ideal for Hotels.



Emergency Lighting LED

EDLED

Surface Double Sided Drop Light



- White LED lamps
- 1.2W
- IP65 rated
- Maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd batteries
- Hinged gear tray
- Push fit terminals
- Supplied c/w euro legend pack
- Steel body and diffuser
- 2 year warranty
- Dimensions (mm): 352 (l) x 110 (w) x 215 (h)
- Lumen output 124lm

Where aesthetics are a priority and the typical bulkhead is not an option, why not consider the LED double sided exit box variant option? A perfect option for hotels.



Emergency Lighting LED

ERTSLED

LED Twinspot



- White LED lamps
- 9.2W
- IP20 rated
- Non maintained 3 hours emergency operation
- 12V 7Ah Lead acid batteries
- Supplied c/w carry handle
- Push fit terminals
- Steel enclosure and polycarbonate heads
- 2 year warranty
- Dimensions (mm): 305 (l) x 70 (w) x 306 (h)
- Lumen output 418lm

A great addition to the twinspot family. The perfect LED option to the already successful standard halogen offering. Ideal for:

- Manufacturing
- Large open office space
- Warehousing
- Stairwells



Emergency Lighting LED

ERTSLEDIP

LED IP65 Twinspot



- White LED lamps
- 5W
- IP65 rated
- Non-maintained 3 hour emergency operation
- 6V 7Ah lead acid battery
- Supplied c/w carry handle
- Push fit terminals
- Polycarbonate body and adjustable heads
- 2 year warranty
- Dimensions (mm): 300 (l) x 70 (w) x 294 (h)
- Lumen output 442lm

A great addition to the twinspot family. The IP65 weatherproof LED option to the already successful standard halogen offering. Ideal for:

- Food preparation areas
- Wash down areas
- Manufacturing
- Large open office space
- Warehousing
- Stairwells



Emergency Lighting LED

ERTSLEDIPS

LED Twinspot IP65 c/w Remote Test



- White LED lamps
- IP65 rated
- Non-maintained 3 hours emergency operation
- 6v 7aH lead acid batteries
- Supplied c/w carry handle
- Infra Red test function option
- Additional remotes available – order ref: ERTSR
- Push fit terminals
- Polycarbonate body and adjustable heads
- 2 year warranty

- Dimensions (mm): 300(L) x 70(W) x 294(H)
- 5.1 watt
- 441 lumen

A great addition to the twinspace family.

- Food preparation areas - Large open office space
- Wash down areas - Warehousing
- Manufacturing - Stairwells



Emergency Lighting LED

EDL1

1W LED Downlight









- 1W white LED
- Non maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd battery
- Polycarbonate and aluminium construction
- 2 year warranty
- Dimensions PCB housing (mm): 222 (l) x 31 (dia)
- Dimensions battery housing (mm): 149 (l) x 31 (dia)
- Dimensions lamp head (mm): 26 (h) x 45 (dia)
- Lumen output 76lm

The perfect solution to the bulkhead when aesthetics are more important. Ideal for:

- Hotels
- Offices
- Shops



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
								
2.0m	2.65							
2.5m	2.83	7.11	2.90	7.18	2.99	4.50	3.06	4.70
3.0m	2.87	7.44	2.95	7.55	3.11	4.80	3.18	4.99
3.5m	2.81	7.78	2.86	7.88	3.25	4.99	3.30	5.29
4.0m	2.67	7.97	2.72	8.01	3.28	5.81	3.33	6.07
5.0m	1.99	7.68	2.05	7.72	3.18	7.95	3.25	8.27



Emergency Lighting LED

EDL2M

2W LED Downlight











- 2W white LED
- Maintained 3 hour emergency operation
- 3.6V 1.5Ah Ni-Cd battery
- Polycarbonate and aluminium construction
- 2 year warranty
- Dimensions PCB housing (mm): 233 (l) x 41 (dia)
- Dimensions battery housing (mm): 188 (l) x 41 (dia)
- Dimensions lamp head (mm): 53 (h) x 140 (dia)
- Lumen output 161lm

The perfect solution to the bulkhead when aesthetics are more important or if you need something a little brighter than the 1W version. Ideal for:

- Hotels
- Offices
- Shops

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.5m	3.47	8.66	3.44	8.79	3.64	4.91	3.61	5.01
3.0m	3.58	9.24	3.61	9.37	3.78	5.60	3.81	5.64
3.5m	3.75	9.64	3.69	9.77	3.97	6.09	3.91	6.12
4.0m	3.86	9.97	3.80	10.06	4.09	6.43	4.02	6.46
5.0m	3.57	10.40	3.63	10.45	4.19	6.95	4.26	6.98
6.0m	2.80	10.81	2.83	10.85	4.37	7.95	4.41	8.12
7.0m	1.78	10.22	1.94	10.36	3.90	12.81	4.22	12.68



Emergency Lighting LED









EDL3C

3W Surface Corridor LED

- Polycarbonate enclosure
- IP20 Rated
- Surface mounted
- Manual self-test facility
- Non Maintained 3hrs emergency operation
- 3.6V 3Ah NI-CD batteries
- White LED (1 x 3W)
- Dimensions (mm): 130 (l) x 130 (w) x 45 (h)
- 2 year warranty



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
								
2.0m	5.01	11.3	1.34	3.27	5.17	9.15	1.74	3.53
2.5m	5.68	13.03	1.55	3.53	5.79	12.76	1.94	3.93
3.0m	6.15	14.67	1.75	3.93	6.22	14.36	2.13	4.13
3.5m	5.44	15.91	1.90	4.37	5.69	15.74	2.31	4.28
4.0m	4.64	16.96	2.02	4.76	4.87	17.13	2.40	4.59
5.0m	2.71	15.11	2.05	5.37	3.43	17.16	2.71	4.70
6.0m	1.11	12.11	1.75	5.79	2.12	15.20	3.05	4.35



Emergency Lighting LED

EDL3S

3W Surface Open Area LED










- Polycarbonate enclosure
- IP20 rated
- Surface Mounted
- Manual self-test facility
- Non Maintained 3hrs emergency operation
- 3.6V 3Ah Ni-CD batteries
- 2 year warranty
- Push fit terminals
- White LED (1 x 3W)
- Dimensions (mm): 130(l) x 130 (w) x 45 (h)

The perfect emergency LED light. Typically used as an indoor escape route emergency light to help guide from a building. Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	1.43	3.45	1.43	3.45	1.72	3.70	1.72	3.95
2.5m	1.56	3.84	1.56	3.84	1.86	3.85	1.86	4.10
3.0m	1.71	4.16	1.71	4.16	1.97	4.20	1.97	4.30
3.5m	1.86	4.42	1.86	4.42	2.06	4.49	2.06	4.59
4.0m	2.02	4.71	2.02	4.71	2.17	4.85	2.17	4.95
5.0m	2.25	5.32	2.25	5.32	2.38	5.12	2.38	5.22
6.0m	2.45	5.85	2.45	5.85	2.57	5.63	2.57	5.73
7.0m	2.65	6.31	2.65	6.31	2.73	6.12	2.73	6.22
8.0m	2.79	6.71	2.79	6.71	2.87	6.63	2.87	6.73
9.0m	2.92	7.09	2.92	7.09	3.01	7.04	3.01	7.14
10m	3.01	7.48	3.01	7.48	3.14	7.40	3.14	7.50



Emergency Lighting LED

EDL5CR

5W LED M Recessed Corridor

- Polycarbonate enclosure
- IP20 rated
- Surface Mounted
- Manual self-test facility
- Non Maintained 3hrs emergency operation
- 3.6V 3Ah NI-CD batteries
- Push fit terminals
- White LED (1 x 3W)
- Dimensions (mm): 130(l) x 130 (w) x 45 (h)

The perfect emergency LED light. Typically used as an indoor escape route emergency light to help guide from a building. Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors



PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	5.28	11.45	1.74	4.98	5.45	8.67	2.13	4.33
2.5m	6.19	13.55	1.80	5.13	6.52	10.66	2.25	4.96
3.0m	7.07	15.63	1.99	4.99	7.47	13.07	2.46	5.56
3.5m	7.77	17.55	2.19	5.09	8.25	16.19	2.68	6.28
4.0m	8.39	19.08	2.38	5.45	8.85	19.46	2.87	6.44
5.0m	9.02	22.20	2.66	6.25	9.81	22.88	3.24	6.68
6.0m	7.15	24.33	2.77	6.93	8.27	25.84	3.51	7.29
7.0m	5.72	25.52	2.69	7.44	6.95	27.64	3.53	7.81
8.0m	3.86	22.23	2.37	7.80	5.59	28.17	3.63	8.02
9.0m	2.08	18.16	1.67	7.83	4.51	28.46	3.72	8.15



Emergency Lighting LED

EDL5SR

5W LED M Recessed Open Area











- 5 watt white LED
- Maintained 3 hour emergency operation
- 3.6V 3000m Ah Ni-Cd battery
- Polycarb and aluminium construction
- 2 year warranty
- Dimensions Transformer housing (mm) 210(L) x 50 (dia)
- Dimensions Lamp head (mm) 55 (H) x 84 (dia)
- 5 watt
- 347lm Lumen Output – Mains
- 318lm Lumen Output – Emergency

The perfect solution to the bulkhead when aesthetics are more important – wanting something a little brighter than the 1,2 or 3 watt version?

Offices / Hotels / Shops

PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 	Axial To Wall 	Axial to Axial 	Transverse to Wall 	Transverse to Transverse 
2.0m	3.30	7.14	3.30	7.14	3.03	5.98	3.03	6.08
2.5m	3.89	8.49	3.89	8.49	3.50	7.00	3.50	7.10
3.0m	4.41	9.79	4.41	9.79	3.96	8.10	3.96	8.20
3.5m	4.86	10.88	4.86	10.88	4.35	9.14	4.35	9.24
4.0m	5.26	11.97	5.26	11.97	4.73	10.09	4.73	10.19
5.0m	5.75	13.89	5.75	13.89	5.41	12.07	5.41	12.17
6.0m	6.11	15.22	6.11	15.22	5.88	13.81	5.88	13.91
7.0m	6.14	16.25	6.14	16.25	6.24	15.42	6.24	15.52
8.0m	5.55	17.01	5.55	17.01	6.51	16.92	6.51	17.02
9.0m	4.79	17.38	4.79	17.38	6.65	18.32	6.65	18.42
10m	3.79	17.39	3.79	17.39	6.65	19.50	6.65	19.60



Emergency Lighting Fluorescent

ER8NM2/M2

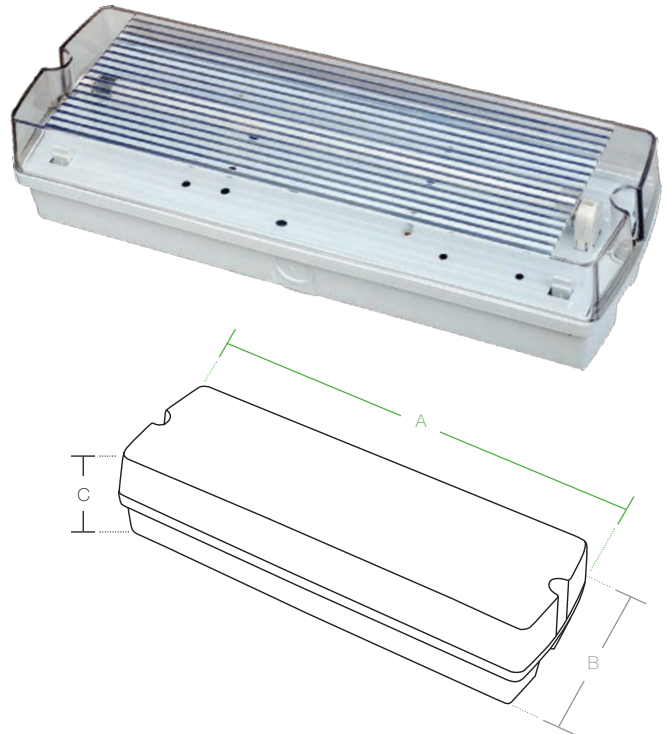
8W Fluorescent IP65 Bulkhead

Non maintained and maintained versions available

- 1 x 8W Fluorescent
- IP65 rated
- Non-Maintained (NM2) or Maintained (M2) 3 hour emergency operation
- Hi-temp 4Ah D-size batteries
- Hinged/removeable gear tray
- Push fit terminals
- Supplied c/w self-adhesive legend pack
- Polycarbonate enclosure
- 2 year warranty
- Dimensions (mm): 350 (l) x 110 (w) x 90 (h)
- Lumen output 74lm

Compact and versatile enough making it suitable for both internal and external applications such as:

- Industrial and commercial premises
- Public buildings and car parks
- Offices
- Corridors



ER8NM2 Dimensions: A: 350mm B: 110mm C: 90mm

ER8NM2 PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
2.0m	1.71	4.77	1.49	4.68	2.11	5.02	1.91	5.64
2.5m	1.56	4.91	1.49	4.46	2.16	5.26	2.08	5.51
3.0m	1.20	4.79	1.40	4.22	2.09	3.79	2.36	3.72

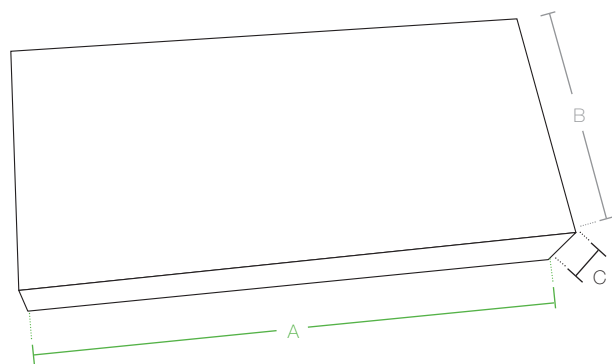
ER8M2 PHOTOMETRIC DATA AFTER 3 HOUR TEST

Height	1 Lux				0.5 Lux			
	Axial to Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse	Axial To Wall	Axial to Axial	Transverse to Wall	Transverse to Transverse
2.0m	1.63	4.56	1.39	4.35	2.08	4.64	1.84	5.32
2.5m	1.46	4.68	1.49	4.20	2.02	5.07	2.05	5.13
3.0m	1.02	4.56	1.24	4.07	1.96	5.00	2.28	4.68

Emergency Lighting Fluorescent

EBX82

8W Fluorescent Maintained Exit Box



EBX82 Dimensions: A: 390mm B: 190mm C: 60mm

- White LED lamps
- IP20 rated
- Maintained 3 hour emergency operation
- Hi-temp 4Ah D-size batteries
- Removeable gear tray
- Push fit terminals
- Supplied c/w euro legend
- Steel enclosure
- 2 year warranty
- Dimensions (mm): 390 (l) x 190 (w) x 60 (h)
- Lumen output 74lm

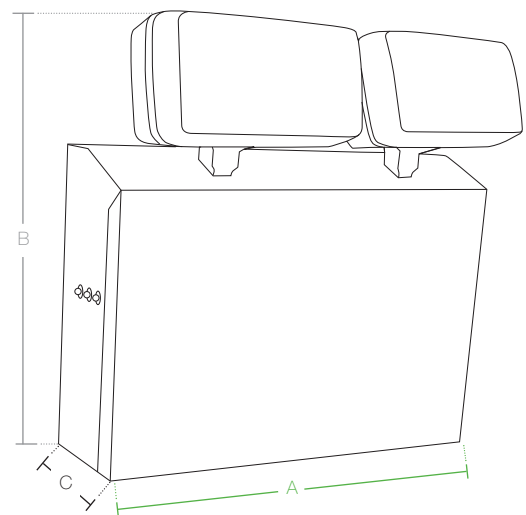
Typically used as an indoor escape route emergency light to help guide from a building. Ideal for:

- Industrial and commercial premises
- Public buildings
- Offices
- Corridors

Emergency Lighting Fluorescent

ERTS2202

2 x 20W Non Maintained Twinspot



ERTS2202 Dimensions:

A: 310mm B: 306mm C: 70mm

- 2 x 20W Halogen lamps
- IP20 rated
- Non-maintained 3 hour emergency operation
- 2 x 12V 7Ah sealed lead acid batteries
- Supplied c/w carry handle
- Push fit terminals
- Steel enclosure and polycarbonate heads
- 2 year warranty
- Dimensions (mm): 305 (l) x 70 (w) x 306 (h)
- Lumen output 411lm.

When a flood of light is required then our halogen twinspace is a perfect solution. Typically used in both industrial and commercial warehousing applications.

Emergency Lighting Fluorescent

ERTS255

55W Twinspot



- 2 x 55W Halogen lamps
- IP20 rated
- Non maintained 1 hour emergency operation
- 2 x 12V 7Ah sealed lead acid batteries
- Supplied c/w carry handle
- Push fit terminals
- Steel body and glass adjustable heads
- 2 year warranty
- Dimensions (mm): 305 (l) x 70 (w) x 306 (h)
- Lumen output 447lm

When 20W halogen just isn't enough our 55W halogen is sufficient enough to light up most areas.

Typically used in both industrial and commercial warehousing applications.

Emergency Lighting Fluorescent

ER8FB

Flushing Bezel for ER8 and ERLED



- White powder coated
- For use with both ER8 and ERLED bulkheads
- Steel metalwork
- 2 year warranty
- Dimensions (mm): 392 (l) x 1955 (w) x 45 (h)

The perfect in between against the normal surface bulkhead and the fully flush option would be this semiflush bezel.

Emergency Lighting Spares

EBXLD



Lightsafe Legend Down Plate to suit the EBX82/EBXLED

EBXLU



Lightsafe Legend Up Plate to suit the EBX82/EBXLED

EBXLL



Lightsafe Legend Left Plate to suit the EBX82/EBXLED.

EBXLR



Lightsafe Legend Right Plate to suit the EBX82/EBXLED.

ERML1



Lightsafe Self-Adhesive Multi-Legend Pack - small.
For use with ER8 and ERLED bulkheads

ERML2



Lightsafe Self-Adhesive Multi-Legend Pack - large.
For use with EDLED



care*safe*

disabled safety equipment

Product Range

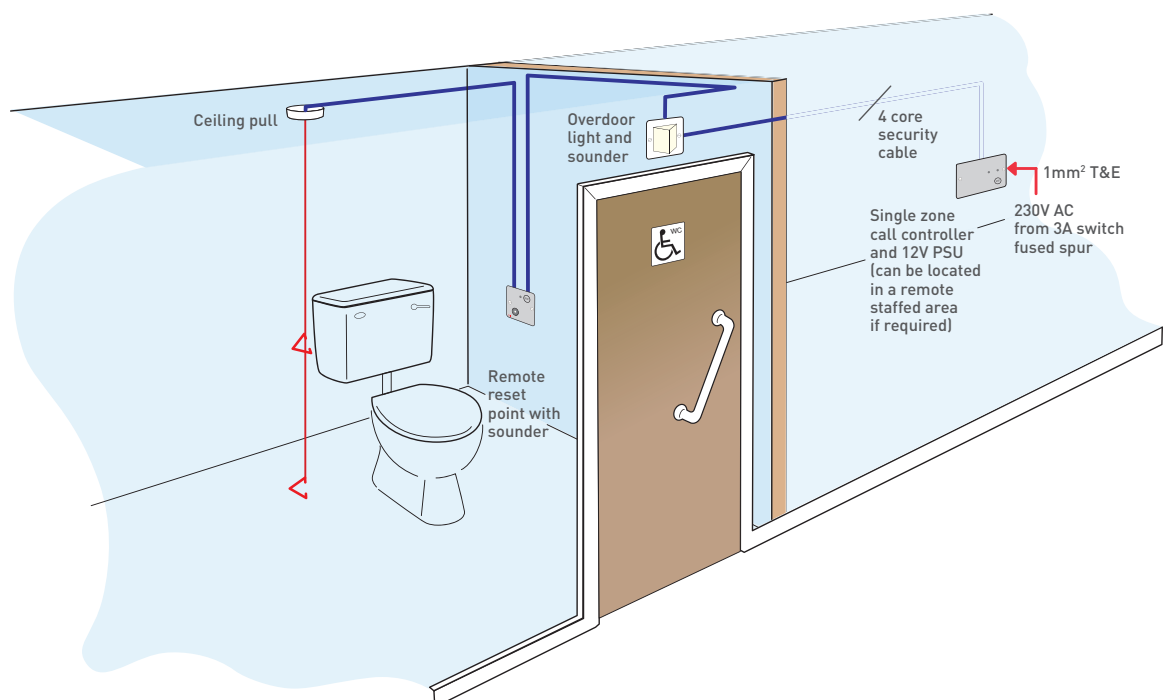
Disabled Toilet Alarm **NCDTAK**

Disabled Toilet Alarm Single Zone Call System Series



- Includes everything required for a BS8300 clause compliant emergency assistance alarm (except cables & fixings)
- New-look double gang call controller features a relay output, a rotary volume control, braille text and an on-board rechargeable battery backup facility
- Remote reset point provides audible and visual indication of an alarm call inside the WC to help re-assure the user that help is on its way
- Overdoor light and sounder clearly indicates where assistance is required outside the WC
- Simple to install 12V system - four core security is ideal for most installations
- All components fit standard 25mm back boxes. Ceiling pull is surface mountable
- Stainless steel option available ref: NC951/SS

EXAMPLE WIRING



Wireless Toilet Alarm

NCSWTA

Wireless Toilet Alarm

The Wireless Toilet Alarm is designed to meet the needs of the DDA (Disability Discrimination Act) in all public buildings and to provide a fully featured system at an economical cost.

The installation of this type of system is very simple, requiring only two screws to fix each unit in its required place.

The basic system comprises a ceiling mounted pull cord unit with reassurance LED. This unit should be installed on the ceiling at a convenient position above the toilet so that the pull cord is close by for the occupant to use. The red reassurance LED must be visible to the person using the toilet.

The over-door sounder/visual indicator device unit should be installed outside the toilet on a wall above the door if possible.

The units run on self contained battery power, with a long life battery and automatic battery monitoring. When the battery requires replacing the over door sounder/visual indicator device will beep to indicate which unit has sent the battery low signal.

Having no wiring connecting the units makes the kit extremely flexible. The units can easily be moved as required and extra units can be added at any time.

Pull cord once for alert and twice to reset.

Complies with EN 300 220-3 and EN 301 489-3.



TECHNICAL INFORMATION

	NCSWTRS	NCSWREC
Description	Pull cord transmitter	Sounder / Visual indicator device receiver
Sound Output @ 1 metres	NA	60 - 65dBa
Maximum Operating Range	30 - 50 metres internal & 100 - 150 metres external	
Power	MN1604 Alkaline Battery (9V)	Lithium Battery 3.6V AA cell
Battery Life	1 - 2 years	Up to 3 years
Operating Frequency	433.920MHz	
Temperature Range	-10°C to +35°C	

800 Series



Bring your conventional call systems into the 21st Century with Caresafe's new range of 10 and 20 zone call controllers.

Flush and surface versions of the controller are available.

Housed in a durable plastic enclosure measuring just 210mm wide and 175mm high, the controller brings some exciting new features to our popular 800 Series call system range.

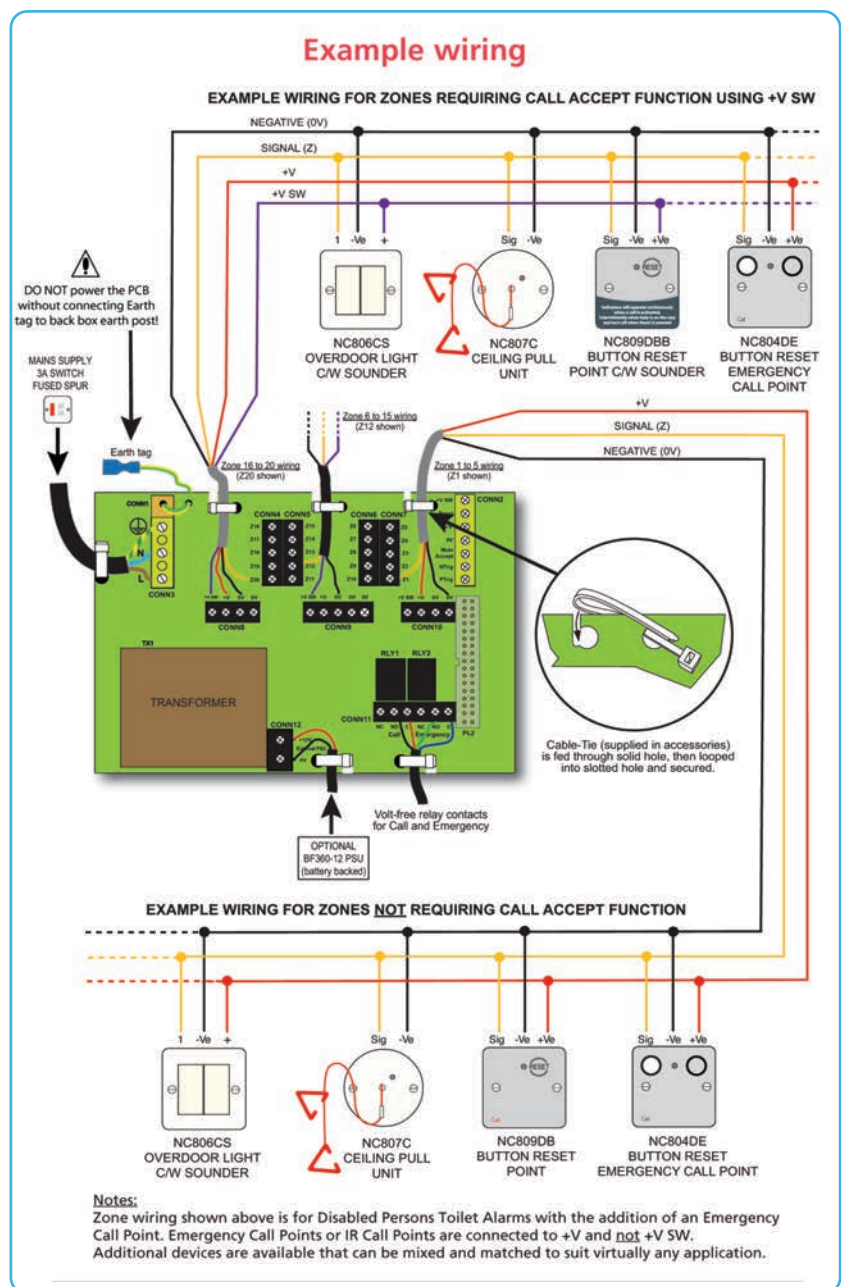
- 10 and 20 way expansion units are also available allowing systems of up to 30 or 40 zones to be easily implemented.
- Attractive compact design - blends perfectly into any sort of decor
- Flush and surface mount versions available
- Range includes two master controllers (10 & 20 zones) and two expander units
- (10 & 20 zones) allowing systems of 10, 20, 30 or 40 zones to be easily implemented
- Two call levels - standard (constant tone) and emergency (intermittent tone)
- New 'Call accept' function allows staff to send a call acknowledgment signal of half a second on and three seconds off to calling zones to confirm help is on the way (this will cause the LED indicators and buzzers on any NC809DBB reset points c/w sounders, NC806C overdoor lights and NC806CS overdoor lights c/w sounders to pulse)
- Optional call mute and call reset buttons
- Includes an onboard 12V 300mA PSU and two volt-free relay contacts which activate when a standard or emergency call is made
- Innovative slide-in labelling system allows easy customisation
- Additional master controllers and expansion units can be used as repeaters on larger sites
- Compatible with our entire range of 800 Series call system components comprising ceiling pulls, wall-mounting call points, overdoor lights, door monitoring points, infrared ceiling receivers, call latch modules and more
- Should a standby battery supply be required, an optional 12V 2A EN54-4 compliant boxed PSU is available with space for a 12V 7.0Ah battery
- Completely backwards compatible - allows call accept functionality to be added to many existing 800 Series systems by changing the control panel (subject to wiring/cores available - zones with emergency devices may require 4 cores instead of 3)
- Ideal for disabled persons toilet alarms, emergency assistance alarms, panic attack systems, interview room call systems and more

800 Series

NC910S 10 Zone Call Controller - surface

NC920S 20 Zone Call Controller - surface

- Standard calls: when triggered by a calling device, the controller's internal buzzer sounds continuously and the relevant zone indicator(s) illuminate steady.
- Pressing the controller's Reset Button (A), if enabled, cancels all standard calls.
- Pressing the controller's Mute Button (B), if enabled, silences the controller's internal buzzer. However, if a new call (standard or emergency) is triggered anywhere on the system, the buzzer will resound.
- Alternatively, instead of muting calls, Button (B) can be configured as a CALL ACCEPT button.
- Pressing Call Accept sends a slow pulsing acknowledgement signal to overdoor lights and reset points c/w sounders provided they are wired as shown on the example wiring diagram below. Should a new call (standard or emergency) be triggered anywhere on the system, any zones in the acknowledgement state will revert to a standard call.
- Emergency calls: when triggered by a calling device, the controller's internal buzzer pulses on and off and the relevant zone indicator(s) flash. This level of call takes priority over standard calls and cannot be muted, accepted or reset at the controller. An emergency call can only be reset at the device from which it was triggered or via a reset point, wired on the same zone.



800 Series Ancillary Devices

NC951/SS	Stainless steel single zone call system kit, includes NC941/SS s/steel call controller, NC807C plastic ceiling pull, NC806CS/SS s/steel overdoor light c/w sounder, NC809DB/SS s/steel reset point & NC949 Disabled WC sticker
NCP-12	Nylon ceiling pull cord accessory pack (3m nylon cord, 2 x triangles, 1 x bullet)
NCP-13	Wipe clean/anti-bacterial vinyl ceiling pull cord accessory pack (3m vinyl cord, 2 x triangles, 1 x bullet)
NC942B	Single zone call controller c/w 12V 140mA PSU, reset button, relay & on-board rechargeable battery backup supply
NC941	Single zone call controller c/w 12V 250mA PSU & reset button
NC941/SS	Single zone call controller, s/steel, c/w 12V 250mA PSU & reset button
NC941B	0.3Ahr battery backup kit, for use with NC941 & NC941/SS controllers
NC944	Four Zone call controller c/w mute/reset button, requires 12V PSU
NC944/SS	Four Zone call controller, s/steel, c/w mute/reset button, requires 12V PSU
NC930	12V 250mA PSU, powers up to 2 x four zone call controllers
NC930/SS	12V 250mA PSU, s/steel, powers up to 2 x four zone call controllers
NC910F	10 Zone Master Call Controller, Flush Version, C/W 12V 300MA psu
NC910S	10 Zone Master Call Controller, Surface Version, C/W 12V 300MA psu
NC920F	20 Zone Master Call Controller, Flush Version, C/W 12V 300MA psu
NC920S	20 Zone Master Call Controller, Surface Version, C/W 12V 300MA psu
NC806C	Overdoor light
NC806CS	Overdoor light & sounder
NC806C/SS	Overdoor light, s/steel
NC806CS/SS	Overdoor light & sounder, s/steel
NC887D	Switchable sounder
NC888D	Remote sounder
NC807C	Ceiling pull unit, no on-board reset, no remote socket
NC802DB	Standard call point, button reset, with remote socket
NC802DBB	Standard call point with braille label, button reset, with remote socket
NC802DM	Standard call point, magnetic reset, with remote socket
NC917L	Standard call push with protruding button, no on-board reset, no remote socket
NC802DEWM	Master IP65 water resistant alert point, mag. reset, no remote socket
NC802DEWS	Slave IP65 water resistant alert point, up to 10 per master
NC802DESS	IP69K sauna alert point (must be used as a slave to an NC802DEWM)
NC802DEM/SS	Stainless steel call point, magnetic reset, no remote socket
NC894DKB	Isolatable monitoring point, button reset, no remote socket
NC894DKM	Isolatable monitoring point, magnetic reset, no remote socket
NC802DEB-1/2	Emergency call point, button reset, with remote socket, can generate standard and emergency calls
NC802DEM	Emergency call point, magnetic reset, with remote socket, can generate standard and emergency calls
NC809DB	Button reset point
NC809DBB	Button reset point c/w sounder and braille label
NC809DB/SS	Button reset point, s/steel
NC809DM	Magnetic reset point
NC899IRR	Keyswitch reset point
NC803M	Magnetic reset keys
NC805C/6	1.8m (6ft) tail call lead
NC805C/14	4.2m (14ft) tail call lead
NC805D	1.2-3.6m (4-12ft) tail call lead
NC805P	Hand/foot pneumatic pad, requires 1 x NC805AS
NC805AS	Remote air switch for NC805P
NC805MD	Portable movement detector
QT644	Floor pressure mat - available late 2011
NC805DSP	Double remote jack socket, allows two ancillary calling devices to be connected

Two Core Addressable Call System

The Caresafe Assistance Call System is an addressable call system, which only requires 2 common connections to operate. Any number of LED display units can be installed in your building, to sound the alarm and show the calling address. The system boasts two different levels of call:

• Standard Call • Emergency Call

The Caresafe Call System is designed to be an extremely versatile call system that is simple to install and easy to operate. In fact the call system is so flexible, it is suitable anywhere people may need to summon attention or gain emergency help quickly and effectively.

Using 4 core stranded security alarm cable for all parts of the system wiring, along with the knowledge that a system can easily be expanded for up to 99 call points, makes the Caresafe system your first choice, when choosing an assistance alarm system.



NCS/CP Standard Call Point

Call point with two levels of call (call & emergency). Required for each calling location on the system.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box). Locate above final bed height to prevent damage to unit. Do not locate over heat source.



NCS/MP Magnetic Reset Call Point NCS/RK Reset Key

Magnetic reset call point with two levels of call (call & emergency).

Identical to NCS/CP used with magnetic Key (NCS RK) to provide reset & emergency.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box). Locate above final bed height to prevent damage to unit. Do not locate over heat source.



NCS/DU LED Display Units

LED Display Unit with integral sounder.

Any number may be used on a system powered by the NSC/MPS PSU to identify the calling call points.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box). Locate in a suitable position to attract staff attention with the audible sounder.



NCS/DP Door Monitoring Point c/w Contacts

Door monitoring point with isolate keyswitch & call or emergency option.

Used to protect doors to generate an alarm on the system when opened with key isolate.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box).

Two Core Addressable Call System



NCS/RP Reset Point

Slave reset point with confidence LED.

Used in conjunction with the NCS/PS1 and NCS/ODC to provide the reset function or used with NCS/CP or NCS/DP as an additional slave reset point. This unit must be connected to an addressable calling device to provide the address on the system.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box).



NCS/OL Standard Overdoor Light

Optional item located outside the room to indicate the status of the call point within.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box). Locate in a suitable position to attract staff attention outside the room. Requires additional connection back to the call point.



NCS/OLS Overdoor Light with Sounder

Identical to NCS/OL with additional integral sounder.

Requires 1Gang 35mm depth backbox (plastic round cornered or metal flushing box). Locate in a suitable position to attract staff attention outside the room. Requires additional connection back to the call point.



NCS/AOL Addressable Overdoor Light

Ideal for use as a 'follow the light' or 'end of corridor' indicator or to monitor several call points with one single unit. Connects directly to the network and does not require additional cabling. Jumper to enable unit to indicate emergency calls only.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box).



NCS/AOLS Addressable Overdoor Light with Sounder

Identical to NCS/AOL fitted with sounder. Jumper to enable unit to indicate emergency calls only. Connects directly to the network and does not require additional cabling.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box).



NCS/ODC Overdoor Light Room Controller

Overdoor light room controller call point in an overdoor light format & sounder.

Combines the functions of an addressable call point and overdoor light in one unit. Ideally suited to multiple disabled toilets when used in conjunction with PS1 ceiling pull switch and NCS/RP slave reset point.

Requires 1Gang 25mm depth backbox (plastic round cornered or metal flushing box). Locate in a suitable position to attract staff attention outside the room or toilet.

Two Core Addressable Call System



NCS/PSI Ceiling Pull Switch with Twin Confidence LED's

Used to generate call from bathroom, toilet or shower room.

This unit must be connected to an addressable calling device to provide the address on the system.

Self contained surface mounting enclosure - no backbox required.



NCS/2L & NCS/4L Pear Leads 2 Metre and 4 Metre

Pear leads plug into the front of the NCS/CP and NCS/DP call points to provide a portable, easy to operate call button. They are supplied in two and four metre lengths with a clip which can be secured to bedding or clothing etc.



NCS/MPS Master Power Supply Unit

Master power supply unit with space for 12V 1.9/2.4 Ah sealed lead acid battery.

Supports up to 80 call points and up to 99 call point addresses.

Space for a backup battery 12Volt 1.9/2.4 Ah sealed lead acid.

Self contained surface mounting enclosure: W230mm x H 180mm x D95mm.

No user controls but should be located in an accessible position.



NCS/BPS Booster Power Supply Unit

Booster power supply unit with space for 12V 1.9/2.4 Ah sealed lead acid battery.

For larger systems used in conjunction with NCS/MPS.

Space for a backup battery 12Volt 1.9/2.4 Ah sealed lead acid.

Self contained surface mounting enclosure: W230mm x H 180mm x D95mm.

No user controls but should be located in an accessible position.



NCS/DC Display Controller

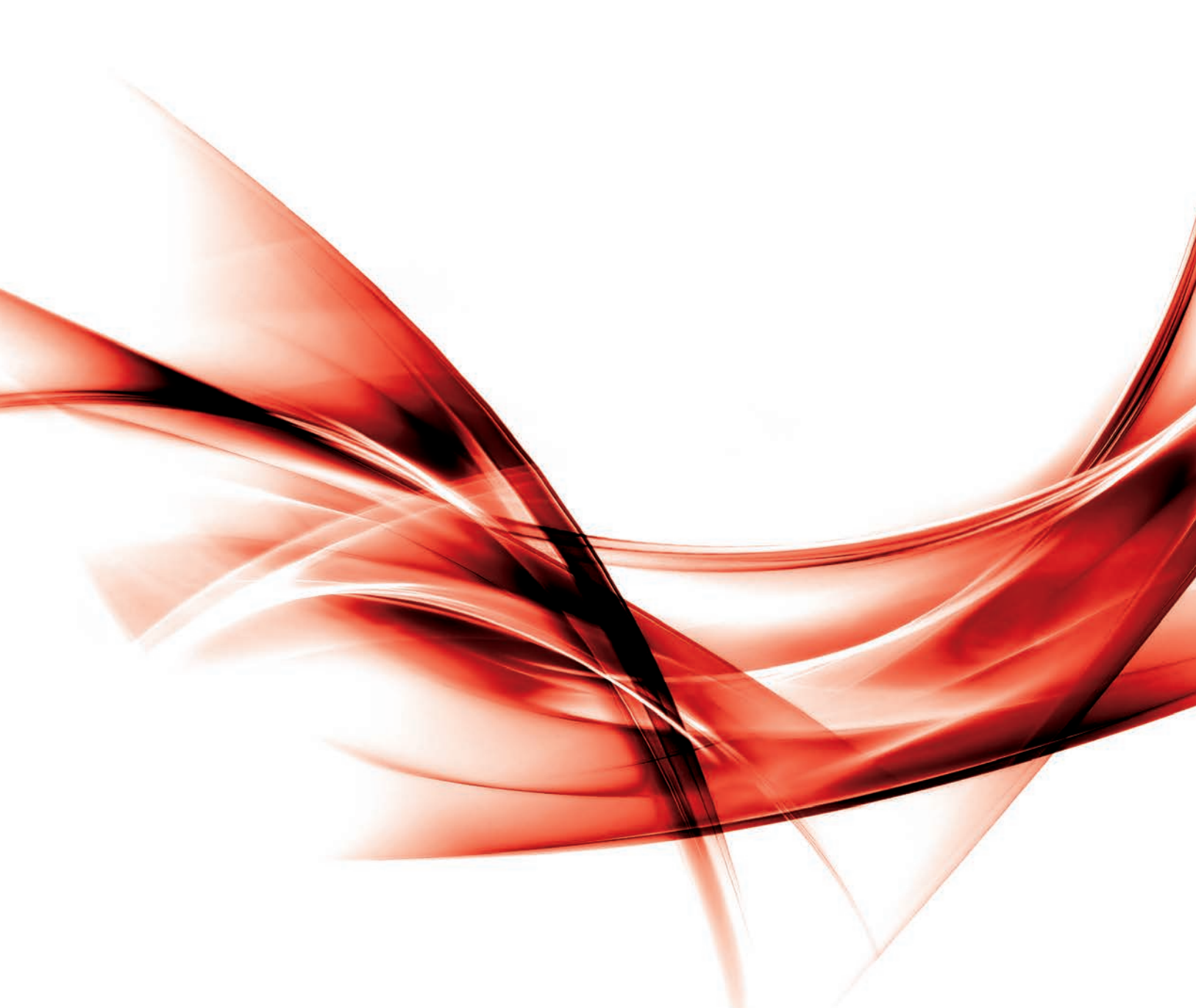
Display controller with mute and reset buttons.

Combined power supply and display unit for systems of up to 32 call point addresses. Supplied with back up battery.

8.4Volt 200mAh Ni-MH which fits into battery holder on rear of unit.

Requires 3Gang backbox MK-K2136 (or similar) for surface mounting or VOLEX VX7301 (or similar) 35mm depth metal backbox for flush mounting.

Locate in a suitable position to attract staff attention and to allow operation of controls.



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