



Minn-X



Minn-XE



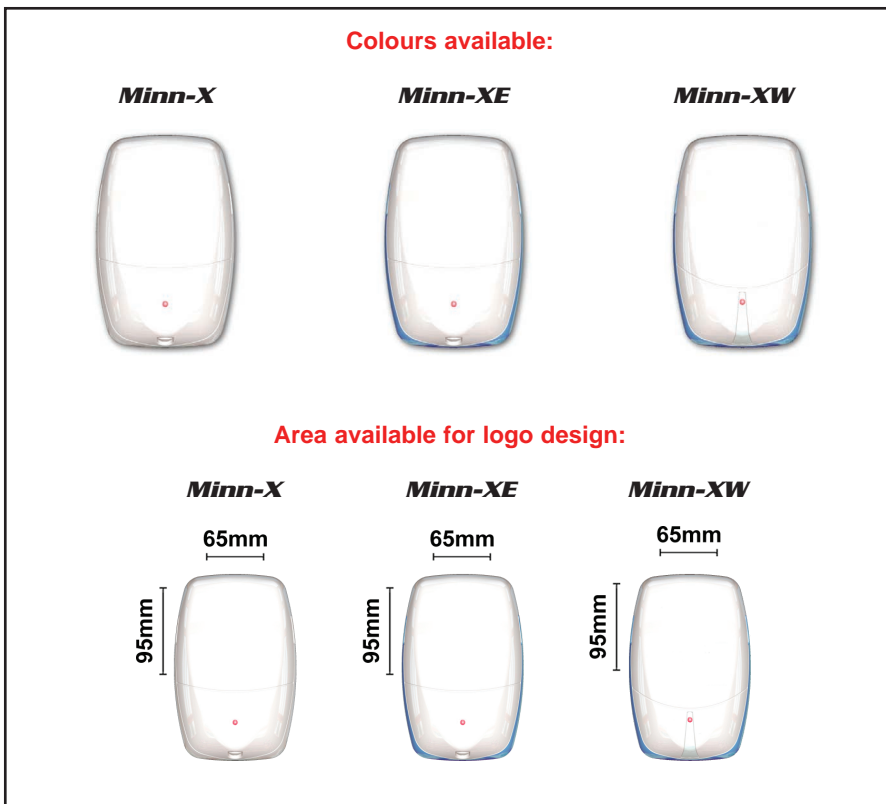
Minn-XW

C-Series

- Compact size for all installations
- 110dB(A) output at 1 metre
- Enclosed electronics
- Durable 3mm polycarbonate construction
- Flashing comfort LED
- High visibility xenon strobe (Minn-XE and Minn-XW)
- SAB/SCB modes of operation (Minn-XE and Minn-XW)
- Weatherproof to IP55 (Minn-XW)
- Easy to install

Applications

- Residential
- Shops
- Offices
- Public buildings
- Banks



The Flashguard C-Series are sleek and compact fully-functional security sounders. The unique two-part assembly is quick and easy to install. The cover offers an area for screen printing not

found elsewhere on a similar size sander. The Minn-XE version is suitable for apartment blocks and covered areas while the Minn-XW is rated to IP55 making it suitable for outdoor applications.

	Minn-X	Minn-XE	Minn-XW
Height:	200mm	200mm	200mm
Width:	130mm	130mm	130mm
Thickness:	40mm	40mm	40mm

Fire	✗	Industrial	✗	Hazardous Area	✗
Security	✓	Railway/Marine	✗	Public Warning	✗

The Minn-XE and Minn-XW units both have a high visibility xenon strobe giving an excellent visual alarm signal. All units have a powerful piezo sounder that provides up to 110dB(A) at one metre.

Minn-X

Minn-XE

Minn-XW



Single piezo 110dB(A)
Enclosed electronics
Internal use

Single piezo 110dB(A)
Enclosed electronics
6V 250mAH NiMH battery
Internal use

Single piezo 110dB(A)
Enclosed electronics
6V 250mAH NiMH battery
Weatherproof to IP55
External use

C-Series Sounder Unit

Sounder type:	Single piezo
Sounder output level @ 1m:	110dB(A)
Supply voltage:	10-15V
Current (Sounder):	300mA
Current (Strobe):	130mA (Minn-XE and Minn-XW only)
Current (Standby mode):	35mA
Battery:	6V 250mAH NiMH (Minn-XE and Minn-XW only)

The complete range of Flashguard Security Sounders:

Compact C-Series	Vertical V-Series	Horizontal H-Series	Metal M-Series	Power P-Series
Minn-X	XL+	Xtra	Ultra	Master Blaster
Minn-XE	Xpro-V	Xpro-H	Xcluder	Inferno
Minn-XW	Xtravert			



Xtra

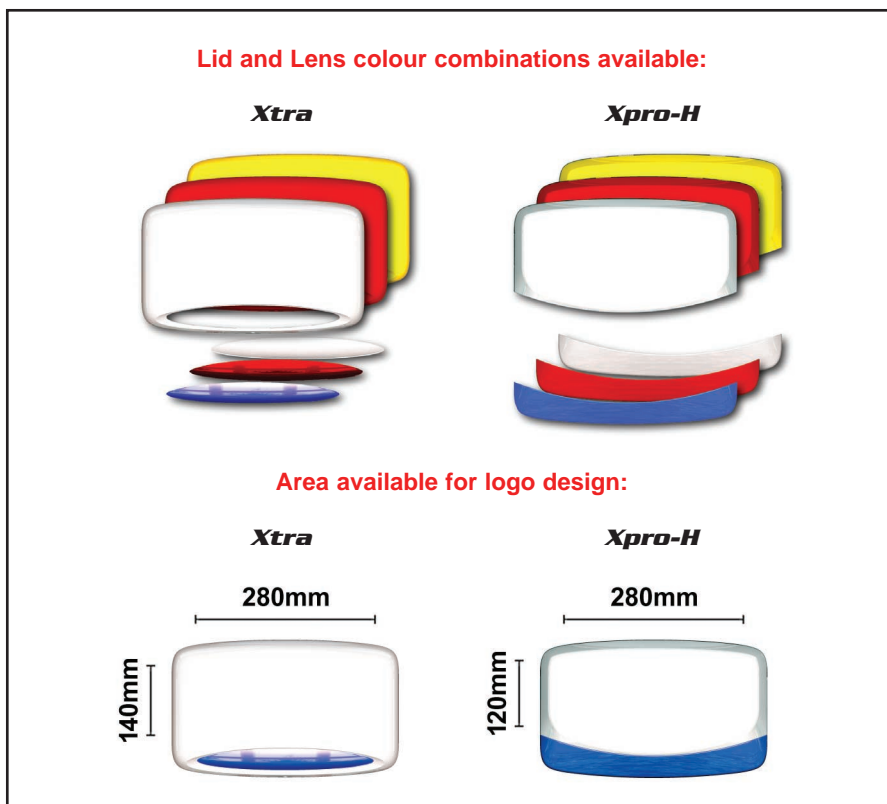


Xpro-H

Available Autumn 2003

Pick 'n' Choose H-Series

- Choice of lid and backplate
- One size backplate for all horizontal installations
- Durable 3mm polycarbonate base
- Optional SCB mode
- High visibility xenon strobe
- Dual flashing comfort LEDs
- Weatherproof to IP55
- Easy to install



Applications

- Residential
- Shops
- Offices
- Public buildings
- Banks

With Pick 'n' Choose Security Sounders you can pick your lid from a choice of two sleek designs and choose your sounder unit from a choice of two backplates (see overleaf).

The horizontally mounted H-Series units offer you a choice of lid 'n' lens colours and each lid has a large area for your logo design if required (see diagram above).

	Xtra	Xpro-H
Height:	225mm	225mm
Width:	370mm	370mm
Thickness:	55mm	70mm

Fire	✗	Industrial	✗	Hazardous Area	✗
Security	✓	Railway/Marine	✗	Public Warning	✗

Complete your Security Sounder by choosing either the Premier sounder unit with twin piezo or the single piezo Value unit for a cost-effective alarm solution.

Premier

Value

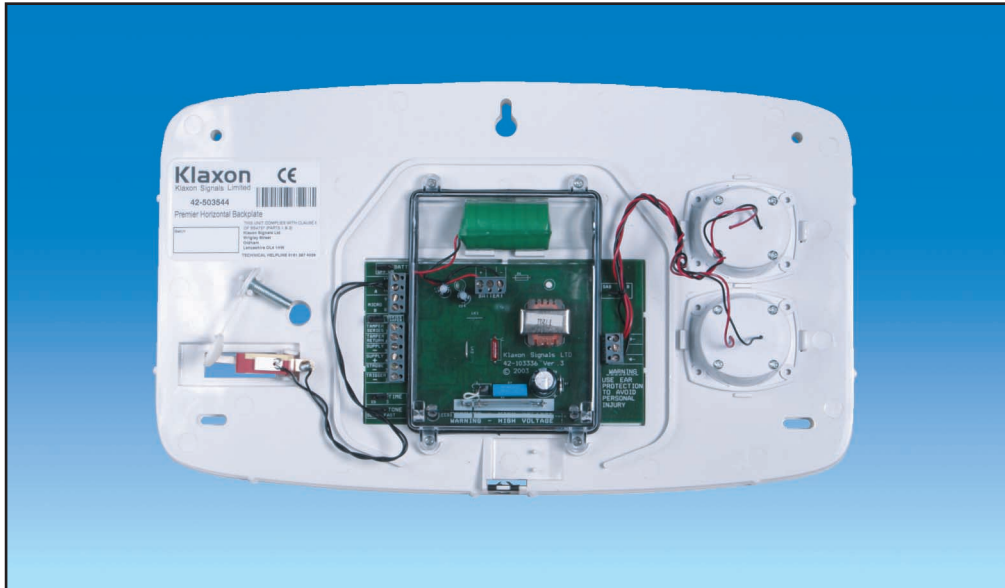
8.4V 280mAH
NiMH battery

6V 250mAH
NiMH battery

Twin piezo
118dB(A)

Single piezo
105dB(A)

Optional screw
tamper

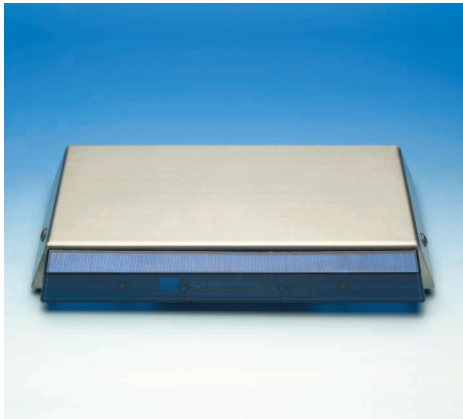


Enclosed electronics
(standard on both backplates)

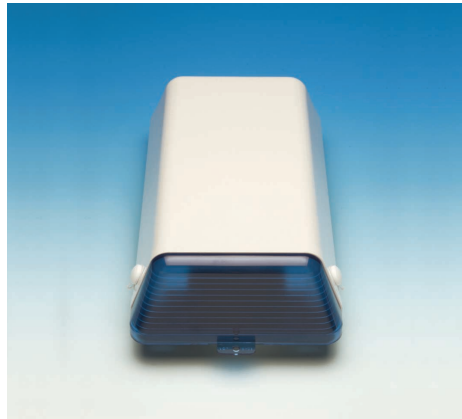
	Premier Sounder Unit	Value Sounder Unit
Sounder type:	Twin piezo	Single piezo
Sounder output level @ 1m:	118dB(A)	105dB(A)
Strobe frequency:	1Hz	1Hz
Supply voltage:	10-15V	10-15V
Current (Sounder):	400mA	300mA
Current (Strobe):	130mA	100mA
Current (Standby mode):	35mA	30mA
Battery:	8.4V 280mAH NiMH	6V 250mAH NiMH

The complete range of Flashguard Security Sounders:

Compact C-Series	Vertical V-Series	Horizontal H-Series	Metal M-Series	Power P-Series
Minn-X Minn-XE Minn-XW	XL+ Xpro-V Xtravert	Xtra Xpro-H	Ultra Xcluder	Master Blaster Inferno



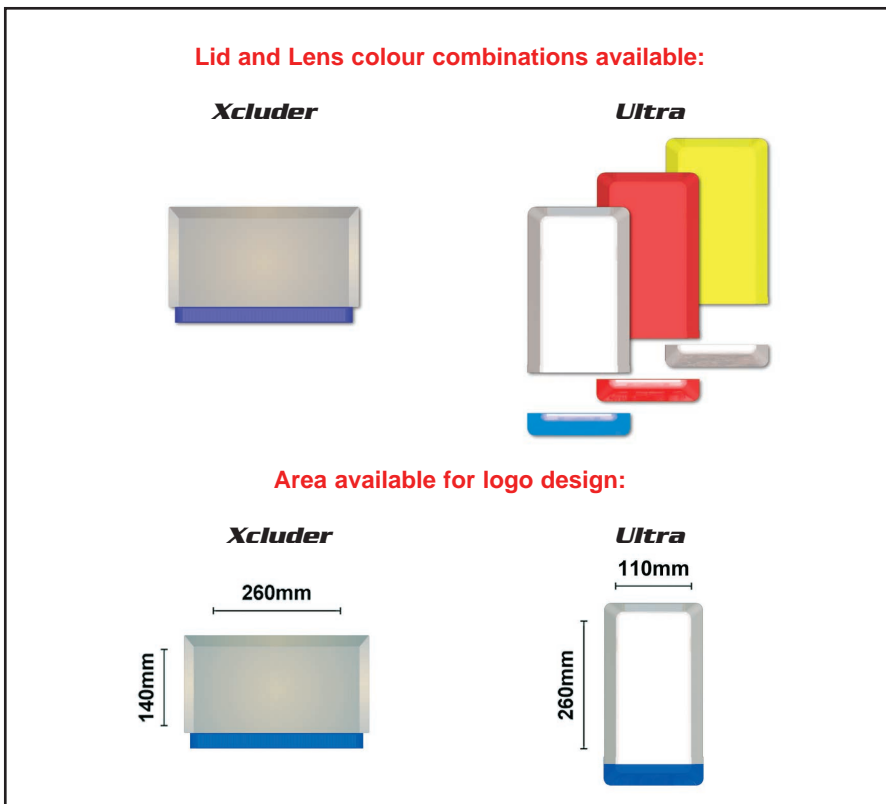
Xcluder



Ultra

M-Series

- Twin piezo giving 118dB(A)
- Corrosion-resistant brushed stainless steel cover (Xcluder)
- Steel backplate for maximum strength
- Internal steel shroud offers double protection of electronics
- Up to four tamper protection devices
- High visibility xenon strobe
- Weatherproof to IP55
- Easy to install



Applications

- Residential
- Shops
- Offices
- Public buildings
- Banks

The Flashguard M-Series are security sounders with an internal 2mm mild steel shroud, offering double protection of electronics. The horizontally mounted Xcluder has an all-round stainless

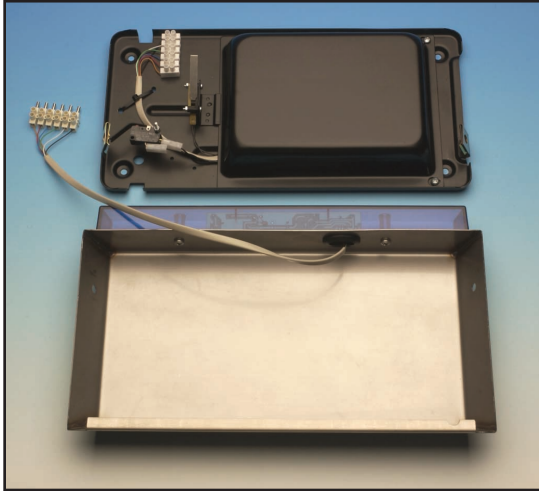
steel case while the vertically mounted Ultra has a durable 3mm polycarbonate cover with a choice of lid and lens colours. Both units have a large area available for your logo design if required.

	Xcluder	Ultra
Height:	220mm	360mm
Width:	360mm	190mm
Thickness:	55mm	80mm

Fire	✗	Industrial	✗	Hazardous Area	✗
Security	✓	Railway/Marine	✗	Public Warning	✗

The Xcluder and Ultra units both have a high visibility xenon strobe and twin piezo sounder with a sound output of 118dB(A) at one metre, combining both strength and performance.

Xcluder



Twin piezo 118dB(A)
 Four tamper protection devices as standard
 8.4V 280mAH NiMH battery
 2mm mild steel inner shroud

Ultra



Twin piezo 118dB(A)
 Three tamper protection devices plus option of cover removal
 8.4V 280mAH NiMH battery
 2mm mild steel inner shroud (not shown)

	Xcluder Sounder Unit	Ultra Sounder Unit
Sounder type:	Twin piezo	Twin piezo
Sounder output level @ 1m:	118dB(A)	118dB(A)
Strobe frequency:	1Hz	1Hz
Supply voltage:	10-15V	10-15V
Current (Sounder):	400mA	400mA
Current (Strobe):	130mA	110mA
Current (Standby mode):	35mA	55mA
Battery:	8.4V 280mAH NiMH	8.4V 280mAH NiMH

The complete range of Flashguard Security Sounders:

Compact <i>C-Series</i>	Vertical <i>V-Series</i>	Horizontal <i>H-Series</i>	Metal <i>M-Series</i>	Power <i>P-Series</i>
Minn-X Minn-XE Minn-XW	XL+ Xpro-V Xtravert	Xtra Xpro-H	Ultra Xcluder	Master Blaster Inferno



P-Series Inferno

- Generates a unique sound which an intruder cannot tolerate
- Protects secured area for the few minutes before security or police can attend
- Significantly upgrades effectiveness of existing systems
- Internal back-up by 1.1 Ah battery, gives up to 20 minutes of alarm in the event of power failure to the sander

The Inferno is a powerful internal security sander that effectively stops intruders in their tracks.

Installation of the Inferno cheats the intruder of the time he may expect to enjoy between alarm activation and arrival of security or police.

The unit is easily retrofitted and a number of units can be installed either in series or in parallel.

The special sound waves produced by the Inferno make it exceptionally difficult to locate the source of the unique sound. Despite disorientation and the 'sound barrier shock effect', no long-term hearing problems would be inflicted upon the intruder.

Manufactured from aluminium and stainless steel, its aesthetic appearance allows it to be mounted in any location without drawing attention.

Applications

- Offices
- Shops
- Commercial premises
- Residential
- High voltage sub-stations
- Industrial units

Fire ×

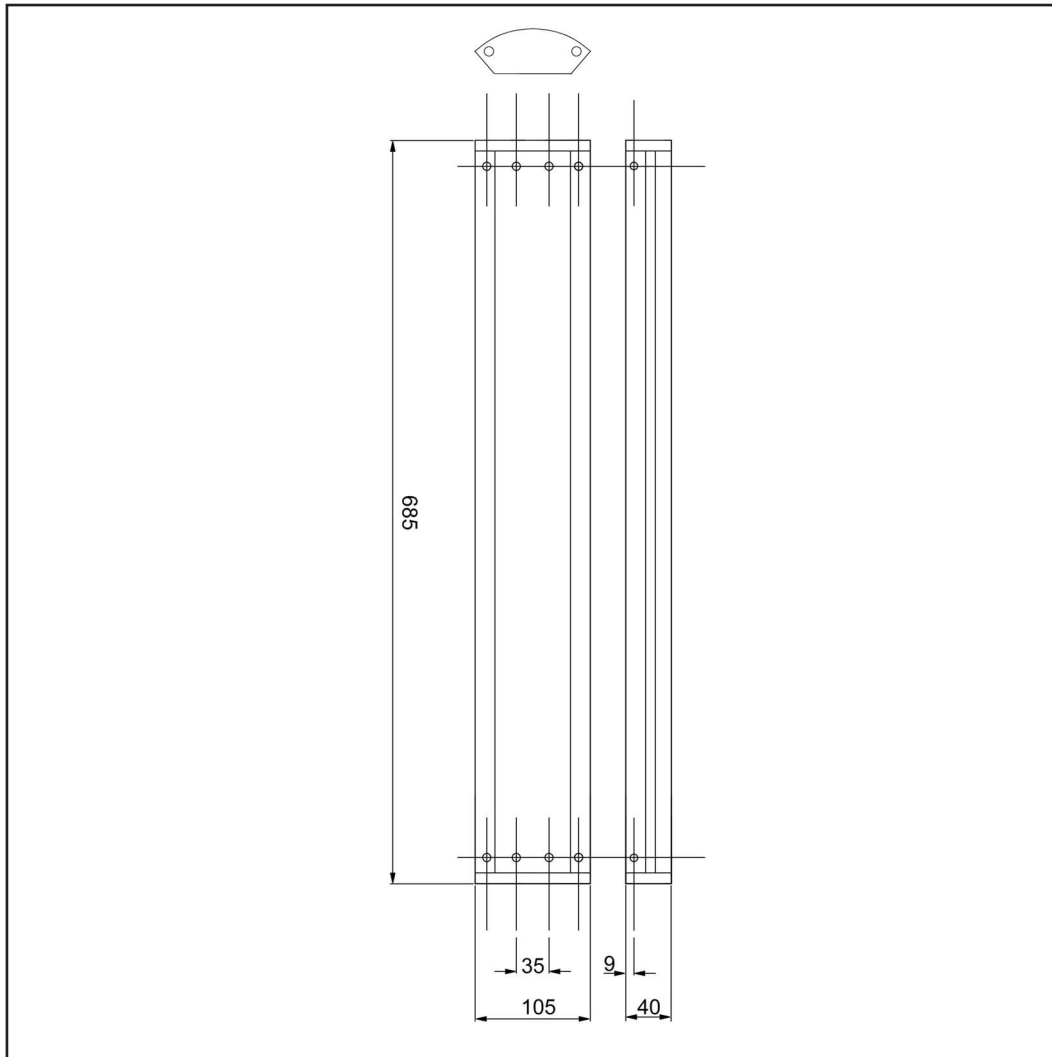
Security ✓

Industrial ×

Railway/Marine ×

Hazardous Area ×

Public Warning ×



Part No.	Colours	Audibility at 1m	Tones	Voltage	Current
17-970187	Silver	125dB (A) ±3dB	1	11/18V DC	55mA standby 1.2A alarm via internal standby batteries

IP Rating: Indoor use only
Rating: Continuous
Frequency: 2000-5000Hz
Operating temp: -30°C to +45°C
Construction: Extruded aluminium
Cable Entries: 2
Weight: 1.7kg

The complete range of Flashguard Security Sounders:

Compact <i>C-Series</i>	Vertical <i>V-Series</i>	Horizontal <i>H-Series</i>	Metal <i>M-Series</i>	Power <i>P-Series</i>
Minn-X Minn-XE Minn-XW	XL+ Xpro-V Xtravert	Xtra Xpro-H	Ultra Xcluder	Master Blaster Inferno



P-Series Master Blaster

- High output 230V AC siren sound designed to deter intruders
- Choice of 12V DC or 24V AC trigger relay for both security and fire use
- Separate mounting bracket for ease of installation
- Continuously rated
- Weatherproof for both indoor and outdoor use

The Master Blaster is a powerful motor driven siren producing a very high sound output, designed for use as an internal or external security alarm.

The siren is powered by a 230V AC supply and contains an integral activation relay. It is supplied with either a 12V DC relay for security applications or 24V DC relay for fire.

Designed for surface mounting, the Master Blaster has a separate mounting bracket which may be secured into position first for easy installation. In addition, it comes pre-wired with 1 metre of cable.

It has a weatherproof construction when wall mounted and is suitable for continuous use.

The Master Blaster is ideal for security and fire applications where a higher sound output is required.

Applications

- Security alarm

Fire ✓

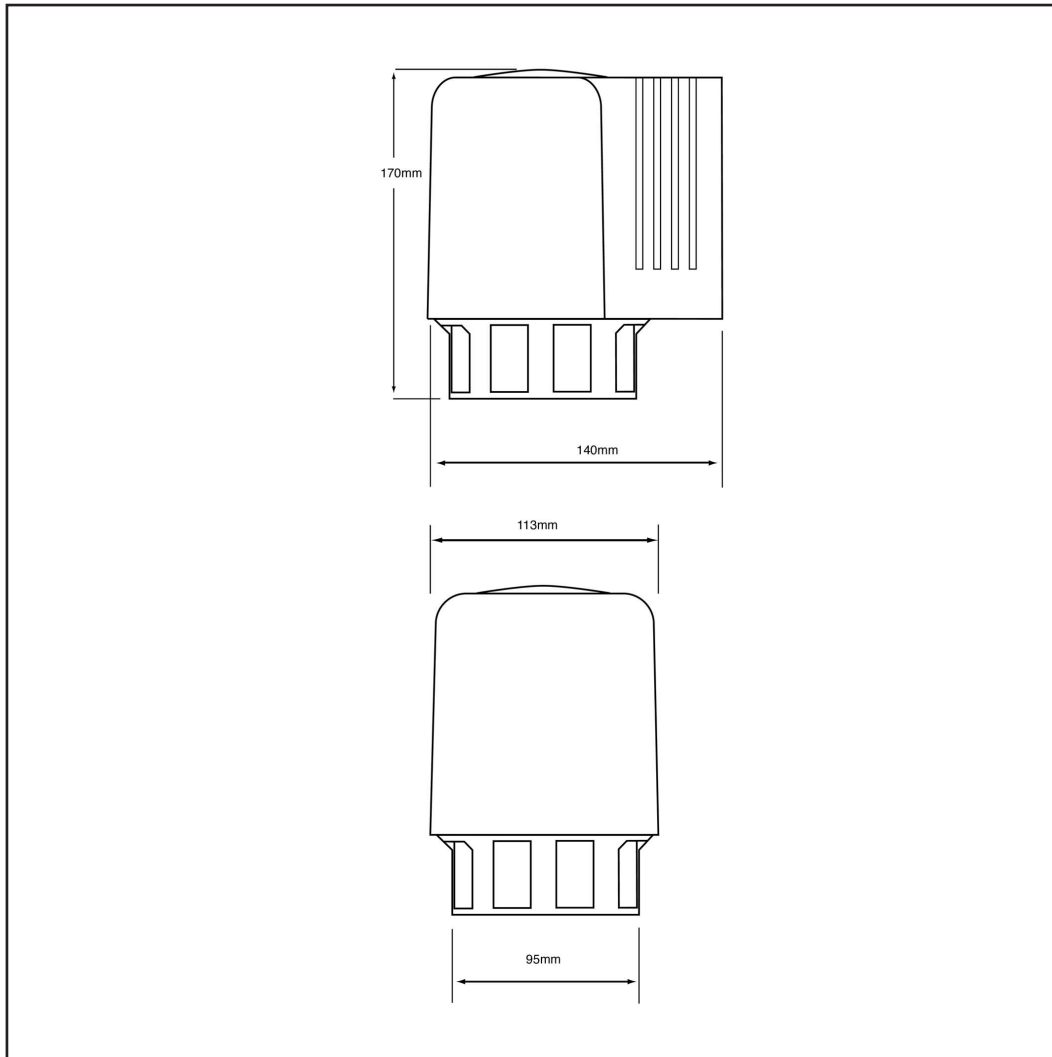
Industrial ✓

Hazardous Area ✗

Security ✓

Railway/Marine ✗

Public Warning ✗



Part No.	Colours	Audibility at 1m	Tones	Voltage	Current
18-980043	Yellow	127dB (A) ±3dB	1	230V AC/DC (12V activated)	1.0A
18-980044	Yellow	127dB (A) ±3dB	1	230V AC/DC (24V activated)	1.0A

IP Rating: Weatherproof
Rating: Continuous
Frequency: 1680Hz
Operating temp: -30°C to +45°C
Construction: ABS
Cable Entries: Flying lead
Weight: 1.8kg

The complete range of Flashguard Security Sounders:

Compact C-Series	Vertical V-Series	Horizontal H-Series	Metal M-Series	Power P-Series
Minn-X Minn-XE Minn-XW	XL+ Xpro-V Xtravert	Xtra Xpro-H	Ultra Xcluder	Master Blaster Inferno



XL+



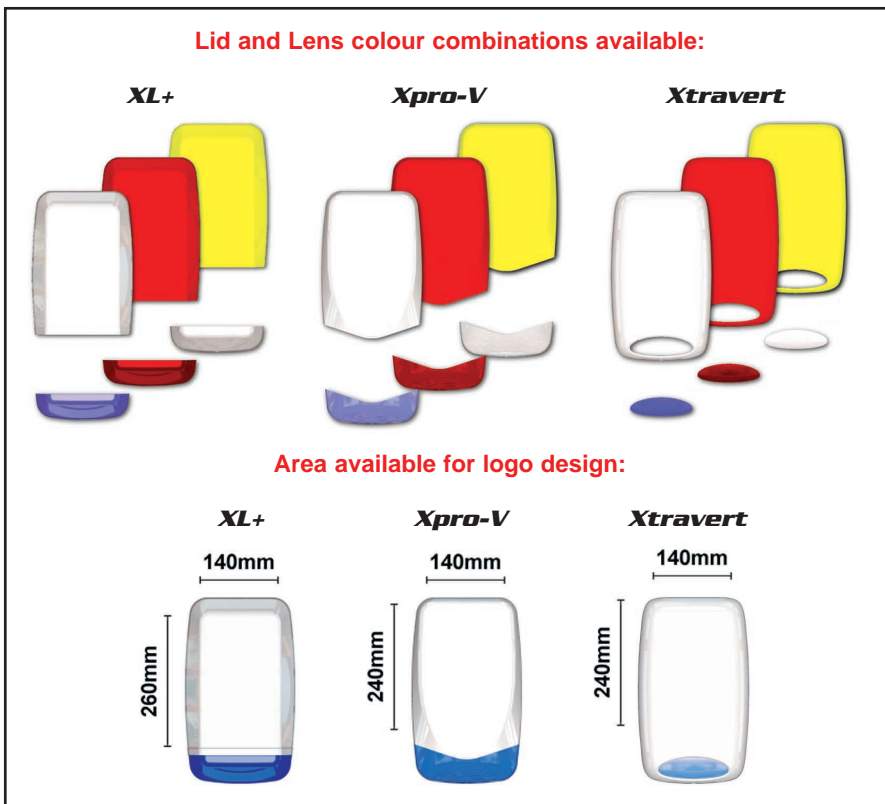
Xpro-V



Xtravert

Pick 'n' Choose V-Series

- Choice of lid and backplate
- One size backplate for all vertical installations
- Durable 3mm polycarbonate base
- Optional SCB mode
- High visibility xenon strobe
- Dual flashing comfort LEDs
- Weatherproof to IP55
- Easy to install



Applications

- Residential
- Shops
- Offices
- Public buildings
- Banks

With Pick 'n' Choose Security Sounders you can pick your lid from a choice of three sleek designs and choose your sounder unit from a choice of two backplates (see overleaf).

The vertically mounted V-Series units offer you a choice of lid 'n' lens colours and each lid has a large area for your logo design if required (see diagram above).

	XL+	Xpro-V	Xtravert
Height:	375mm	375mm	375mm
Width:	225mm	225mm	225mm
Thickness:	80mm	67mm	55mm

Fire	✗	Industrial	✗	Hazardous Area	✗
Security	✓	Railway/Marine	✗	Public Warning	✗

Complete your Security Sounder by choosing either the Premier sounder unit with twin piezo or the single piezo Value unit for a cost-effective alarm solution.

Premier

Twin piezo
118dB(A)

8.4V 280mAH NiMH battery

Optional screw tamper



Value

Single piezo
105dB(A)

6V 250mAH NiMH battery

Enclosed electronics
(standard on both backplates)

	Premier Sounder Unit	Value Sounder Unit
Sounder type:	Twin piezo	Single piezo
Sounder output level @ 1m:	118dB(A)	105dB(A)
Strobe frequency:	1Hz	1Hz
Supply voltage:	10-15V	10-15V
Current (Sounder):	400mA	300mA
Current (Strobe):	130mA	100mA
Current (Standby mode):	35mA	30mA
Battery:	8.4V 280mAH NiMH	6V 250mAH NiMH

The complete range of Flashguard Security Sounders:

Compact C-Series	Vertical V-Series	Horizontal H-Series	Metal M-Series	Power P-Series
Minn-X Minn-XE Minn-XW	XL+ Xpro-V Xtravert	Xtra Xpro-H	Ultra Xcluder	Master Blaster Inferno