

Banshee Excel™ Sounder Range







Fire Alarms

Banshee

Electronic Sounders

BS 5839-1

FlashDome

Evacuation

Audible Alarm

EN 54-3

Beacons

Banshee Excel™

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

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



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

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

Banshee Excel™ CH Sounder

Banshee Excel™ is manufactured in flame retardant ABS and is available in three colours, making it suitable for a wide range of alarm and signalling applications.

The Banshee Excel™ sounder is fitted with a professional capsule driven horn. All models use the push and twist bayonet fitting Banshee™ base.



- 32 user-selectable tones industry standard compatible
- Very low current consumption
- EN 54-3 tested and fully approved in accordance with CPR
- VdS approved
- Uses same bases as Banshee^{MT} simple push and twist bayonet mounting with locking screw
- Available in three colours red, white or grey
- Easy to install with side and rear cable entry
- Robust 'two in two out' 2.5 mm² terminals
- Three selectable volume levels
- Rated to IP66 or IP45
- Extensive family of accessories for a wide range of applications
- Recyclable



Banshee Excel[™] BS Base Sounder

The slimmest sounder in its class, the Banshee $Excel^{TM}$ BS supplies true omni-directional sound output and is fully compatible with the other sounders in the range.



- 32 tones designed to be compatible with other Banshee Excel™ sounders
- EN 54-3 tested and fully approved in accordance with CPR
- Slimmest profile in the industry
- Low current consumption
- Available in white or ivory to match to detectors
- Omni-directional sound (see Polar Plot page 5)
- Front plate for stand-alone use available
- Three selectable volume levels
- Installer friendly terminals
- Ceiling or wall mounting
- Robust and easily connected 'two in two out' 2.5 mm² terminals





Banshee Excel Lite™ CHX & CHL Sounder Beacons

The Banshee Excel Lite™ combines the aesthetics and performance of the Excel Sounder with either a very bright and efficient Xenon Beacon (CHX model) or a low-current LED Beacon (CHL model).

Manufactured in flame retardant polymer, the units are available in a choice of base colours and up to 5 different lens colours, making it suitable for a range of fire and security dual notification applications as well as DDA-compliant installations. All models use the push and twist bayonet fitting BansheeMT base.

- Available with either Xenon or LED Beacon with a red or white body
- Choice of lens colours (CHX: 5 colours, CHL: 3 colours)
- Sounder has 32 user-selectable tones industry standard compatible
- Very low current consumption
- EN 54-3 tested and fully approved in accordance with CPR
- VdS approved
- Easy to install with side and rear cable entry
- Robust 'two in two out' 2.5 mm² terminals
- Choice of three volume levels
- Rated to IP66 or IP45
- Uses same bases as Banshee^{MT} simple push and twist bayonet mounting with locking screw
- Extensive family of accessories for a wide range of applications
- Recyclable



Choice of lens colour:













Banshee Excel™ FlashDome LED Beacon

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

The FlashDome is 100% compatible with the rest of the Excel Sounder and Sounder Beacon range and utilises the same shallow and deep bases and broad range of accessories.



- Ultra-efficient LEDs
- Very low current consumption
- Sleek, low-profile design
- Compatible with other Excel Sounders and Sounder Beacons and accessories
- Uses same bases as Banshee^{MT} simple push and twist bayonet mounting with locking screw

Banshee Excel™ BD Bedroom Sounder

A low cost alternative for fire applications in hotels and residential environments.

- Low current 7mA
- Available in white or red
- Fits standard 25 mm back box





Specification

Model	Banshee Excel™ CH	Banshee Excel Lite™ CHX & CHL	Banshee Excel™ BS	Banshee Excel [™] FlashDome	Banshee Excel™ BD
Description:	Sounder	Sounder Beacon	Base Sounder	Beacon	Bedroom Sounder
Operating Voltage (Vdc):	9-30	9-30	9-30	10-28	24
Operating Voltage EN54-3 (Vdc):	24 (20 -28)	24 (20 -28)	24 (20 -28)	-	-
Tone Current Consumption (mA):	See Sound Output Table*	See Sound Output Table*	See Sound Output Table*	-	7 (Typical)
Flash Current Consumption (mA):# - @24 Vdc - @12 Vdc	-	40 (CHX), 16 (CHL) 90 (CHX), 12 (CHL)	-	5 5	-
Sound Output (dBA Typ @Im):	See Sound Output Table*	See Sound Output Table*	See Sound Output Table*	-	90
Tones Available:	See Sound Output Table*	See Sound Output Table*	See Sound Output Table*	-	Fast Sweep: 750-850 Hz swept at 9 Hz Continuous: 815 Hz
Body Colours:	Red, White or Grey	Red or White	White or Ivory	Red	Red or White
Body Material:	Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS
Lens Colour (Polycarbonate):	-	CHX: Red, Clear, Amber, Blue, Green CHL: Red, Clear, Amber PHL: Red, Amber	-	Red	-
Temperature Range (Deg C):	-40 to +70	-15 to +40 (CHX) -20 to +70 (CHL)	-40 to +70	-20 to +70	TBC
Environment Category / IP Rating:	Type A/IP45 Std Base Type B/IP66 Deep Base	Type A/IP45 Std Base Type B/IP66 Deep Base	Internal use only	Type A/IP45 Std Base Type B/IP66 Deep Base	Internal use only
Volume Control:	High, Medium (-10 dBA), Low (-20 dBA)	High, Medium (-10 dBA), Low (-20 dBA)	High, Medium (-6 dBA), Low (-12 dBA)	-	-
Light Output Rating (Cd):	-	TBC	-	I	-
Flash Rate (Per Second):	-	1	1	1	-
Termination:		Screw terminal	s for 0.28 mm ² to 2.5 mm ² win	re conductor	

* See Sound Output Table on back page of this document "Flash current consumption is additional to sounder current, where applicable (CHX, CHL, PHL)

All units that use the common base meet minimum requirements of IP21C Shallow Base and IP33C Deep Base in accordance with EN54-3

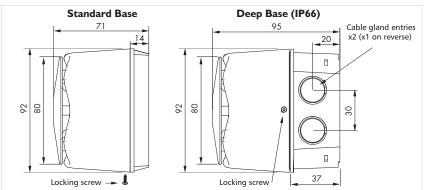
Installation

Banshee Excel[™] Common Base

Standard Deep Base (IP66) Hole x2 Hole x2 Slot x4 Slot x4 4.5 View from View from inside base inside base

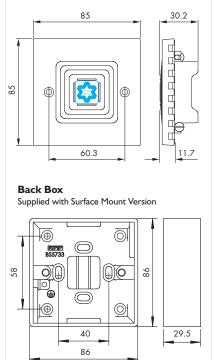
Used with Banshee Excel[™] CH, Banshee Excel Lite[™] CHX & CHL and Banshee Excel[™] FlashDome

Banshee Excel[™] CH Sounder



Banshee Excel™ BD Bedroom Sounder

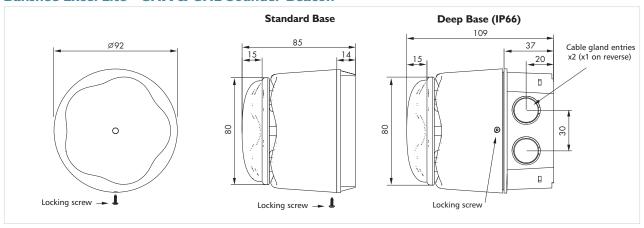
Flush Mounted



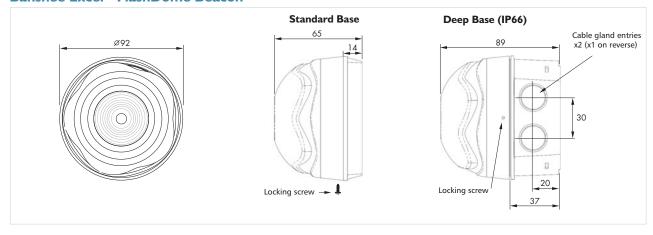
Dimensions (mm)

Installation

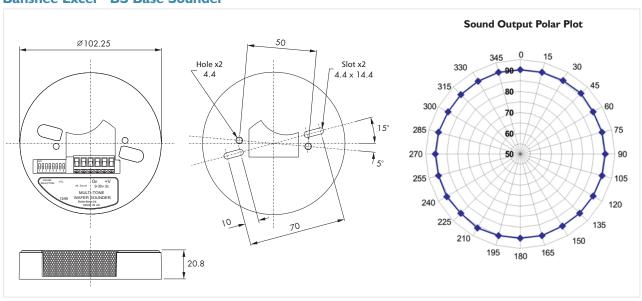
Banshee Excel Lite™ CHX & CHL Sounder Beacon



Banshee Excel™ FlashDome Beacon



Banshee Excel[™] BS Base Sounder



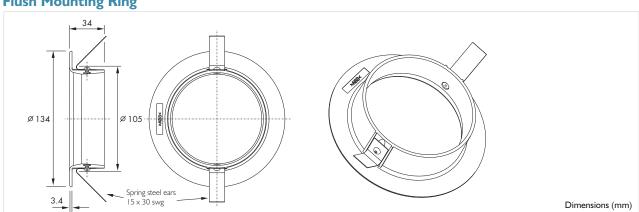
Dimensions (mm)

Accessories

Accessory	Description	Part No.					Use with Banshee Excel [™] :							
	Flush Mounting Ring	8502900	<i>∂</i> ′	_ _ &	□	\jt ^e	CKT I'VE	CHIL Flat Done						
© O	Combination Bracket	8503000	•			•	•	•						
	Mains Pack I 10/230 Vac to 24 Vdc	8502700	•			•	-	•						
	Wall Fixing Clip	8503100	•			•	-	•						
	Base Sounder Cable Spacing Ring	8502800		•										
	Steel Web Stopper: Low Profile Cage (Supplied with full fixing kit)	S-9617	•			•	-	•						
Innue I	Steel Web Stopper: Base Sounder - Surface Wiring Cage (Supplied with full fixing kit)	S-9605	•	•	•	•	•	•						
	Steel Web Stopper: Base Sounder - Flush Wiring Cage (Supplied with full fixing kit)	S-9604	•	•	•	•	•	•						

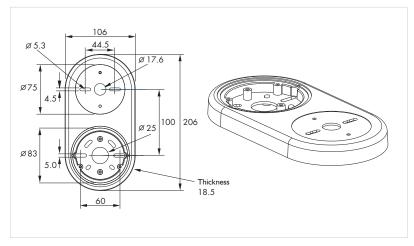
Accessories Installation

Flush Mounting Ring

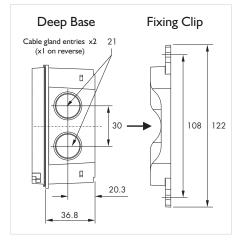


Accessories Installation

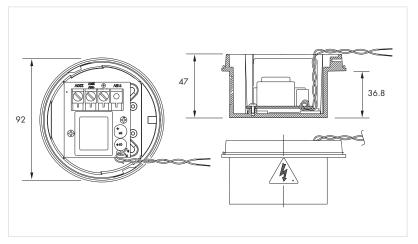
Combination Bracket



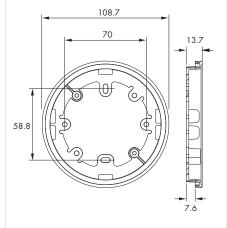
Wall Fixing Clip & Deep Base



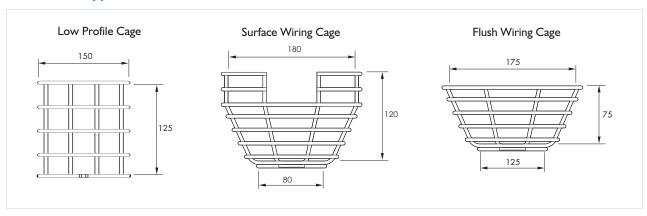
Mains Pack



Base Sounder Cable Spacing Ring



Steel Web Stoppers



Dimensions (mm)

Sound Output Table & Tone Specification

To	one Inf	ormation	Information		Banshee Excel™ CH (12V) (24V)				Banshee Excel Lite™ CHX				
_					(12	2V)	(24	IV)	(12	2V)	(24	IV)	
No.	DIL SW 1 2 3 4 5	Description	Frequency and timing	2nd Tone	dBA	mA	dBA	mA	dBA	mA	dBA	m/	
1	00000	Banshee Buzz LF	800Hz to 950Hz swept at 120Hz	4	94	6	101	12	94	6	100	12	
2		Banshee Fast Sweep LF*	800Hz to 950Hz swept at 9Hz	4	94	6	101	12	94	6	100	12	
3	01000	Banshee Slow Sweep LF	800Hz to 950Hz swept at 3Hz	4	94	6	101	12	94	6	100	12	
4	11000	Banshee Continuous LF	Continuous at 900Hz	4	94	6	101	12	94	6	100	13	
5		Banshee Fast Sweep LF (New)	830Hz to 970Hz swept at 9Hz	4	95	6	101	12	93	6	100	12	
6		Medium Sweep LF*	800Hz to 970Hz swept at 1Hz	7	96	6	101	12	94	6	100	- 13	
7	01100	Continuous LF	Continuous at 950Hz	7	96	6	102	13	94	6	99	- 1.	
9	11100	Back Up Alarm LF	Intermittent at 950Hz I sec on, I sec off	4	96 94	8	102	14	93 94	6	99	1	
10	10010	Alternate LF Medium Sweep LF	Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs	4	95	6	100	13	94	6	100	+	
11	01010	Alternate LF	Alternating Tones 800/950 at 3Hz	4	96	6	101	12	94	6	101	-	
12	11010	Banshee Buzz HF	2400Hz to 2900Hz at 120Hz	15	102	16	110	35	102	16	109	3	
13	00110	Banshee Fast Sweep HF	2400Hz to 2900Hz at 9Hz	15	103	17	110	35	103	17	110	3	
14	10110	Banshee Slow Sweep HF	2400Hz to 2900Hz at 3Hz	15	103	17	110	35	103	17	110	3	
15	01110	Banshee Continuous HF	Continuous 2900Hz*	15	103	19	110	39	103	19	109	3	
16	11110	Banshee Fast Sweep HF (New)	2450Hz to 3100Hz swept at 9Hz	15	103	18	110	36	103	18	109	3	
17	00001	Back Up Alarm HF	Intermittent at 2900Hz I sec on, I sec off*	15	104	18	110	36	103	18	109	3	
18	10001	Alternate HF	Alternating Tones 2400/2900 at 3Hz	15	104	16	110	36	104	17	110	3	
19	01001	Slow Whoop*	500hz rising to 1200hz over 3.5 secs, silence 0.5 sec	4	95	6	101	12	95	6	101		
20	11001	Din Tone (DK)*	1200Hz falling to 500Hz over 1 sec, silence 10mS, repeat	4	93	5	100	10	93	5	100		
21	00101	French Fire Sound*	554Hz for 100mS and 440Hz for 400mS	4	90	4	96	7	90	4	96		
22	10101	Australian Alert Signal	420Hz repeating 0.625 sec on, 0.625 sec off	4	89	3	95	6	89	3	94		
23	01101	Australian Evacuation Signal	500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	4	95	6	103	12	95	6	101		
24	11101	US Temporal Tone LF	950Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat	4	95	5	101	10	93	5	99		
25	00011	US Temporal Tone HF	2900Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat	15	104	13	110	26	103	13	109		
26	10011	Swedish Tone (Fire)	Intermittent 660Hz 150mS on, 150mS off	26	90	3	96	6	90	3	96		
27	01011	Swedish Tone (All Clear)	Continuous 660Hz	27	91	5	97	9	91	5	97		
8	11011	ISO8201 LF	Intermittent 970Hz 500mS on, 500mS off	28	93	5	99	10	90	5	96		
		ISO8201 HF	Intermittent 2900Hz 500mS on, 500mS off*	29	103	13	110	27	103	13	109		
	00111												
30	10111	BT Banshee (FP1063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency	31	93	6	100	12	94	6	100		
30 31	10111	BT Banshee (FPI063.1) BT Banshee (FPI063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz	31	90	6	96	14	88	6	94		
29 30 31 32	10111	BT Banshee (FP1063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency			6							
30 31	10111	BT Banshee (FPI063.1) BT Banshee (FPI063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz	31	90 96	6 6 12	96	14 25	88 94	6	94	-	
30 31	01111	BT Banshee (FPI063.1) BT Banshee (FPI063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz	31	90 96	6 6 12	96 101	14 25	88 94	6	94 99	as as	
30 31 32	00000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone	31 32	90 96 Bans	6 6 12 hee Exc	96 101 el Lite™	14 25 CHL	88 94 B	6 12 anshee E	94 99 Excel™ E	38	
30 31 32 1	00000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz	31 32 4	90 96 Bans 94	6 6 12 hee Exc	96 101 el Lite™ 100	14 25 CHL	88 94 B :	6 12 anshee E	94 99 Excel™ E	BS	
30 31 32 1 2	00000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF*	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 94Hz	31 32 4 4	90 96 Bans 94 94	6 6 12 hee Exc 6 6	96 101 el Lite™ 100 100	14 25 CHL 12 12 12	88 94 B 85 84	6 12 anshee E	94 99 Excel™ E 91 90 90 90	BS	
30 31 32 1 2 3	01111 111111 00000 10000 01000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz	31 32 4 4	90 96 Bans 94 94 94	6 12 hee Exc 6 6	96 101 el Lite** 100 100	14 25 CHL 12 12	88 94 B : 85 84 84	6 12 anshee E 6 6 6	94 99 Excel™ E 91 90 90	BS	
30 31 32 1 2 3 4 5	00000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz Continuous at 900Hz	31 32 4 4 4 4	90 96 Bans 94 94 94 94	6 6 12 hee Exc 6 6 6	96 101 el Lite** 100 100 100	14 25 CHL 12 12 12	88 94 B 85 84 84 84	6 12 anshee I 6 6 6 6	94 99 Excel™ E 91 90 90 90	BS	
30 31 32 1 2 3 4 5 6	00000 10000 01000 01000 01000 01000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 830Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 9Hz Continuous at 950Hz	31 32 4 4 4 4 4 7 7	90 96 Bans 94 94 94 94 93 94	6 6 12 hee Exc 6 6 6 6 6	96 101 el Lite*** 100 100 100 100 100 100 99	14 25 CHL 12 12 12 12 12 12 12 13	88 94 85 84 84 84 84 84 84	6 12 anshee 8 6 6 6 6 6 6 6	94 99 99 91 90 90 90 90 90 90	BS	
30 31 32 3 4 5 6 7	00000 10000 11000 01100 01100 01100	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz 10ntinuous at 950Hz Intermittent at 950Hz	31 32 4 4 4 4 4 7 7	90 96 Bans 94 94 94 93 94 94 93	6 6 12 hee Exc 6 6 6 6 6 6 6 6	96 101 el Lite™ 100 100 100 100 100 99 99	14 25 CHL 12 12 12 12 12 12 13	88 94 85 84 84 84 84 84 84 84	6 12 anshee E 6 6 6 6 6 6 7 4	94 99 Excel™ E 91 90 90 90 90 90 90 90	BS	
30 31 32 3 4 5 6 7	00000 10000 01000 01000 01000 01000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz	31 32 4 4 4 4 4 7 7 7	90 96 Bansi 94 94 94 93 94 93 94	6 6 12 hee Exc 6 6 6 6 6	96 101 el Lite™ 100 100 100 100 100 99 99	14 25 CHL 12 12 12 12 12 12 13 14	88 94 85 84 84 84 84 84 84	6 12 anshee 8 6 6 6 6 6 6 6	94 99 Excel™ E 91 90 90 90 90 90 90 90 90	BS	
30 31 32 1 2 3 4 5 6 7 8 9	00000 10000 01000 01000 01000 01000 01100 01100 011100 00110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF (New) Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz B00Hz to 1000Hz swept at 0.5 secs	31 32 4 4 4 4 4 7 7 7 4 4	90 96 Bansi 94 94 94 93 94 93 94 94 93	6 6 12 hee Exc 6 6 6 6 6 6 6 6 6 6	96 101 el Lite™ 100 100 100 100 100 99 99 100	14 25 CHL 12 12 12 12 12 12 13 14 13	88 94 85 84 84 84 84 84 84 84 84	6 12 anshee 8 6 6 6 6 6 7 4 7 6	94 99 99 91 90 90 90 90 90 90 90 90 90	BS	
30 31 32 1 2 3 4 5 6 7 8 9	00000 10000 01000 01000 11000 01100 01100 01110 00010	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz	31 32 4 4 4 4 7 7 7 4 4	90 96 Bans 94 94 94 93 94 94 93 94 94	6 6 6 6 6 6 6 6 6 6 6 6 6	96 101 100 100 100 100 100 100 99 99 100 100	14 25 CHL 12 12 12 12 12 13 14 13 12 12	88 94 85 84 84 84 84 84 84 84 84 84 84	6 12 anshee 8 6 6 6 6 6 7 4 7 6 7	94 99 99 91 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 3 4 5 6 7 8 9 10	00000 10000 10000 11000 01000 11000 01100 01100 11100 00010 11001	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Alternate LF Barshee Buzz HF Banshee Buzz HF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 100Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz	31 32 4 4 4 4 7 7 7 4 4 4 4	90 96 Bans 94 94 94 93 94 94 93 94 94 94	6 6 12 hee Exc 6 6 6 6 6 6 6 6 6 6 6	96 101 100 100 100 100 100 100 99 99 100 100	14 25 CHL 12 12 12 12 12 13 14 13 12 12 12	88 94 85 84 84 84 84 84 84 84 84 84 84 89	6 12 anshee E 6 6 6 6 6 6 7 4 7 6 7	94 99 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 1 2 3 4 5 6 7 8 9 10	00000 10000 01000 01000 01100 01100 01100 011100 00010 01000 01000 01000 01000 01000 01000 01000 01000	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF (New) Hedium Sweep LF Back Up Alarm LF Alternate LF Medium Sweep LF Banshee Fast Sweep LF Alternate LF Banshee Fast Sweep LF Banshee Fast Sweep LF Alternate LF Banshee Fast Sweep LF Banshee Fast Sweep LF Banshee Fast Sweep LF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz i sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 120Hz	31 32 4 4 4 4 4 7 7 7 4 4 4 4 15	90 96 Bans l 94 94 94 94 93 94 94 93 94 94 91 92 102	6 6 12 hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 7	96 101 el Lite *** 100 100 100 100 100 100 99 99 100 100	14 25 CHL 12 12 12 12 12 13 14 13 12 12 12 35	88 94 85 84 84 84 84 84 84 84 84 84 90	6 12 anshee E 6 6 6 6 6 6 7 4 7 6 7 15	94 99 Excel™ E 91 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 1 2 3 4 5 6 7 8 9 10 11 12 13	00000 01000 01000 01000 01000 01100 01100 01100 01100 0100 0100 01010 01010	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Fast Sweep HF Banshee Buzz HF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Fast Sweep HF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz	31 32 4 4 4 4 4 7 7 7 4 4 4 4 15 15	90 96 Bans 94 94 94 93 94 94 93 94 102 103	6 6 12 hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 1 1 1 1	96 101 100 100 100 100 100 100 99 99 100 100	14 25 CHL 12 12 12 12 12 13 14 13 12 12 35 35	88 94 85 84 84 84 84 84 84 84 84 89 90 92	6 12 anshee 8 6 6 6 6 6 7 4 7 7 6 7 15 15 15	94 99 Excel™ E 91 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 3 4 5 6 7 8 9 10 11 11 12 13	00000 01000 01000 01000 01000 01000 01100 01100 01110 01010 01101 01101 00110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Alternate LF Medium Sweep LF Banshee Fast Sweep LF (Alternate LF Banshee Buzz LF Banshee Slow Sweep LF Banshee Slow Sweep LF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Continuous HF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 19Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 3Hz	31 32 4 4 4 4 7 7 7 4 4 4 4 15 15	90 96 Bans 94 94 94 93 94 94 93 94 91 102 103 103	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17	96 101 100 100 100 100 100 100 100 100 1	14 25 CHL 12 12 12 12 12 13 14 13 12 12 2 35 35 35	88 94 85 84 84 84 84 84 84 84 89 90 92 90 94	6 12 anshee 6 6 6 6 6 7 4 7 6 7 15 15 15 13	94 99 99 90 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 3 4 5 6 7 8 9 10 11 12 13 14	00000 10000 01000 01000 11000 01100 01100 01100 01010 11010 01110 00110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF (New) Medium Sweep LF Back Up Alarm LF Alternate LF Medium Sweep LF Banshee Fast Sweep LF (New) Banshee Fast Sweep LF (New) Hedium Sweep LF Alternate LF Banshee Fast Sweep LF Banshee Buzz HF Banshee Fast Sweep HF Banshee Slow Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous at 3Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz* 2400Hz to 3900Hz* 2400Hz* 2400Hz to 3900Hz* 2400Hz*	31 32 4 4 4 4 4 7 7 7 4 4 4 4 15 15 15	90 96 Bans 94 94 94 93 94 94 93 94 102 103 103	6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17	96 101 el Lite** 100 100 100 100 100 100 100 100 100 1	14 25 CHL 12 12 12 12 12 13 14 13 12 12 35 35 35 39	88 94 85 84 84 84 84 84 84 84 89 90 92 90 94 87	6 12 anshee 8 6 6 6 6 6 6 7 7 4 7 6 7 15 15	94 99 99 90 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 3 4 5 6 7 8 9 10 11 12 13 14 15 16	00000 10000 10000 01000 01000 011000 01100 011100 00010 11100 00010 01010 01010 01110 00110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Fast Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Continuous HF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 3Hz Continuous 2900Hz at 9Hz 2400Hz to 3100Hz at 9Hz 2400Hz to 3100Hz swept at 9Hz 1450Hz to 3100Hz swept at 9Hz 1450Hz to 3100Hz swept at 9Hz 1500Hz to 3100Hz swept at 9Hz	31 32 4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15	90 96 Bans 94 94 94 94 93 94 94 94 102 103 103 103	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17 17 19 18	96 101 el Lite** 100 100 100 100 100 100 100 100 100 1	14 25 CHL 12 12 12 12 12 13 14 13 12 12 35 35 35 35 37	88 94 85 84 84 84 84 84 84 84 84 87 90 92 90 94 87	6 12 anshee E 6 6 6 6 6 6 7 7 4 7 6 7 15 15 15 13	94 99 91 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 32 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	00000 10000 01000 01000 11000 01100 01100 01110 01110 01110 01110 01110 01110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Tast Sweep LF (New) Medium Sweep LF* Continuous LF Banske UP Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Banshee Fast Sweep HF (New) Banske Fast Sweep HF (New) Banske UP Alarm HF Alternate HF	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermitent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating 700Hz or 500Hz 2400Hz to 2900Hz at 19Hz 2400Hz to 2900Hz at 19Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 3100Hz swept at 9Hz 2400Hz to 3100Hz swept at 9Hz 2400Hz to 3100Hz swept at 9Hz Alternating 700Hz 1 sec on, I sec off* Alternating 700Hz 2900Hz at 3Hz	31 32 4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15	90 96 Bansi 94 94 94 94 93 94 94 94 90 102 103 103 103 103 104	6 6 6 6 6 6 6 6 6 6 6 117 17 19 18 18 18 17	96 101 el Lite *** 100 100 100 100 100 100 99 99 100 100 1	14 25 CHL 12 12 12 12 12 13 14 13 12 12 35 35 35 39 36 37	88 94 85 84 84 84 84 84 84 84 84 87 90 92 90 94 87	6 12 anshee E 6 6 6 6 6 7 7 4 7 6 7 15 15 15 13 14 8 13	94 99 91 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 32 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18	00000 10000 01000 01000 01000 01100 00100 11100 0010 01101 01010 01101 01110 01110 01110 01110 01110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Fast Sweep LF* Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Back Up Alarm LF Alternate LF Barshee Buzz HF Banshee Fast Sweep LF Banshee Fast Sweep LF Alternate LF Banshee Fast Sweep LF Alternate LF Banshee Fast Sweep HF Banshee Continuous HF Banshee Slow Sweep HF Banshee Continuous HF Banshee Fast Sweep HF (New) Back Up Alarm HF Alternate HF Slow Whoop*	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz l sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous at 3Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz* 2450Hz to 3100Hz swept at 9Hz Intermittent at 2900Hz at 9Hz Intermittent at 2900Hz at 3Hz Continuous 2900Hz* Let 10 100Hz seept at 9Hz Intermittent at 2900Hz I sec on, 1 sec off* Alternating Tones 2400/2900 at 3Hz Soobhz rising to 1200hz over 3.5 secs, silence 0.5 sec	31 32 4 4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15 15	90 96 8ansi 94 94 94 94 94 94 94 90 102 103 103 103 103	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17 19 18 18 17 6	96 101 100 100 100 100 100 100 100 100 10	14 25 CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 13 35 35 35 37 36 12	88 94 85 85 84 84 84 84 84 84 84 84 87 90 92 90 94 87 95 94 88	6 12 anshee I 6 6 6 6 6 7 7 4 7 7 6 7 15 15 13 14 8 13	94 99 91 90 90 90 90 90 90 90 90 90 90	BS	
30 31 32 32 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	00000 10000 10000 01000 10100 01100 01100 01100 01010 01010 01010 01110 00110 01110 01110 01110 01110 01110 01110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Fast Sweep LF* Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Alternate LF Barshee Buzz HF Banshee Buzz HF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Slow Sweep HF Slow HP	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz 2450Hz to 3100Hz swept at 9Hz 1450Hz for 300Hz sec on, I sec off* Alternating 70nes 2400Hz sec on, I sec off* Alternating 70nes 2400Hz sec on, I sec off* Alternating 70nes 2400Hz over I sec, silence 0.5 sec	31 32 4 4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15 15 14 4	90 96 Bans 94 94 94 94 94 94 94 102 103 103 103 104 95 93	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17 17 19 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	96 101 100 100 100 100 100 100 100 100 10	14 25 CHL 12 12 12 12 12 12 13 14 13 12 12 35 35 35 37 36 37 36	88 94 85 84 84 84 84 84 84 84 89 90 92 90 94 87 95 94 88 88	6 12 anshee E 6 6 6 6 6 6 7 7 4 7 15 15 15 13 14 8 13 5 5 5	94 99 Excel™ E 91 90 90 90 90 90 90 90 90 90 90	BS	
31 32 32 33 4 55 66 7 8 9 9 10 11 12 13 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	00000 10000 10000 11000 11000 11000 11100 00110 11110 00110 01110 11110 01110 11110 01110 11110 11110 11110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF (New) Banshee Fast Sweep HF (New) Din Tone (DK)* French Fire Sound*	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 950Hz swept at 3Hz Continuous at 950Hz 800Hz to 970Hz swept at 1Hz S00Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous 2400Hz to 240Hz 2400Hz to 2900Hz at 9Hz 2450Hz to 3100Hz swept at 9Hz Restricted to 3100Hz swept at 9Hz Restricted to 3250Hz 8450Hz to 3100Hz swept at 9Hz 850Hz rose 2400/2900 at 3Hz 8500Hz rising to 1200hz over 3.5 secs, silence 0.5 sec	31 32 4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15 15 15	90 96 8ansi 94 94 94 94 93 94 94 94 94 102 103 103 103 103 104 95 93 99	6 6 6 6 6 6 6 6 6 6 6 117 17 19 18 18 18 17 6 5 4	96 101 100 100 100 100 100 100 10	14 25 CHL 12 12 12 12 12 12 13 14 13 12 12 12 35 35 35 39 36 37 36 12	88 94 85 84 84 84 84 84 84 84 89 90 92 90 94 87 95 94 88 87	6 12 6 6 6 6 6 6 6 7 7 6 7 15 15 15 13 14 8 13 5 5 4	94 99 99 90 90 90 90 90 90 90 90 90 90 90	BS	
80 81 82 82 8 7 8 8 9 10 11 12 13 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	00000 10000 01000 01000 01000 01100 00100 11100 00110 01101 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Fast Sweep LF* Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF (New) Medium Sweep LF Back Up Alarm LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Fast Sweep LF (New) Medium Sweep LF Alternate LF Banshee Fast Sweep LF Alternate LF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Tast Sweep HF (New) Back Up Alarm HF Alternate HF Slow Whoop* Din Tone (DK)* French Fire Sound* Australian Alert Signal	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 90Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 100Hz swept at 5Hz Intermittent at 950Hz I sec on, I sec off Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous at 120Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 3Hz Continuous 2900Hz swept at 9Hz Intermittent at 2900Hz I sec on, I sec off* Alternating Tones 800/950 at 3Hz Stohlz to 3100Hz swept at 9Hz Intermittent at 2900Hz at 3Hz Continuous 2900Hz sec on, I sec off* Alternating Tones 2400/2900 at 3Hz S00hz rising to 1200Hz over 3.5 secs, silence 0.5 sec 1200Hz falling to 500Hz over I sec, silence 10mS, repeat 554Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.625 sec off	31 32 4 4 4 4 4 4 7 7 7 4 4 4 4 15 15 15 15 15 15 14 4 4	90 96 8ansi 94 94 94 93 94 94 93 94 102 103 103 103 104 95 93	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 19 18 18 17 6 6 5 5 4 4 4 4 4 4 5 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1	96 101 100 100 100 100 100 100 100 100 10	14 25 CHL 12 12 12 12 12 12 13 14 13 12 12 13 35 35 39 36 12 10 7	88 94 85 84 84 84 84 84 84 84 89 90 92 90 94 87 95 95 94 88 87 84 88 88 87	6 12 anshee [6 6 6 6 6 6 6 6 7 7 4 7 15 15 15 15 13 14 8 8 13 5 5 5 4 3 3	94 99 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS	
31 32 32 34 55 66 77 88 99 10 11 12 13 14 15 16 17 18 18 19 20 21 22 23	00000 10000 01000 01000 01000 11100 00100 11100 00110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110 01110	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Fast Sweep LF* Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF Back Up Alarm LF Alternate LF Back Up Alarm LF Alternate LF Banshee Buzz HF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Buzz HF Banshee Buzz HF Banshee Buzz HF Banshee Slow Sweep HF Banshee Ast Sweep HF Banshee Ast Sweep HF Banshee Tontinuous HF Banshee Continuous HF Banshee Tontinuous	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 950Hz 830Hz to 970Hz swept at 9Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 100Hz swept at 5 secs Alternating 70nes 800Hz 100Hz secs Alternating 70nes 800Hz 100Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz* 2450Hz to 3100Hz swept at 9Hz 100Hz to 300Hz swept at 9Hz 100Hz to 300Hz swept at 9Hz 100Hz to 3100Hz swept at 9Hz 100Hz to 3100Hz swept at 9Hz 100Hz to 3100Hz swept at 9Hz 10termittent at 2900Hz i sec on, I sec off* Alternating 7 ones 2400/290 at 3Hz 500Hz rsing to 1200Hz over 3.5 secs, silence 0.5 sec 1000Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.625 sec off 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	31 32 4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15 15 14 4 4 4	90 96 Bansi 94 94 94 93 94 93 94 102 103 103 103 104 105 95 98 99 99 99 99 99 99 99 99 99	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 17 19 18 18 18 18 17 6 5 4 4 4 4 5 5 4 4 7 6 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	96 101 100 100 100 100 100 100 10	14 25 CHL 12 12 12 12 12 13 13 14 13 12 12 13 35 35 35 36 37 36 36 37 6 6 12 10 7 6 6 12	88 94 85 84 84 84 84 84 84 84 84 89 90 92 90 94 87 95 88 87 88 88 88	6 12 anshee I 6 6 6 6 6 6 6 6 6 7 7 4 4 7 7 15 15 15 13 14 8 8 13 5 5 4 4 3 3 5	94 99 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS	
1 2 3 4 4 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 22 23 22 4	00000 10000 10000 11000 11000 11000 01100 01100 01100 01110 01110 01110 01110 01110 10001 10001 10001 10001 10001 10001 10001	BT Banshee (FP1063.1) BT Banshee (FP1063.1) Bell Tone Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Fast Sweep HF (New) Banshee Fast Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Banshee Tast Sweep HF (New) Banck Up Alarm HF Alternate HF Slow Whoop* Din Tone (DK)* French Fire Sound* Australian Alert Signal Australian Factuation Signal	Yodel 800Hz/1000Hz, 0.25sec each frequency Continuous 1000Hz Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz 100Hz to 970Hz swept at 1Hz Continuous at 950Hz lsec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 19Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz* 2450Hz to 3100Hz swept at 9Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating Tones 2400/2900 at 3Hz Continuous 2900Hz* 2450Hz to 3100Hz swept at 9Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating Tones 2400/2900 at 3Hz 500hz rising to 1200hz over 3.5 secs, silence 0.5 sec 1200Hz fallig to 500Hz over 1 sec, silence 10mS, repeat 554Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.625 sec off 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5secs and repeat	31 32 4 4 4 4 4 4 7 7 7 4 4 4 4 15 15 15 15 15 14 4 4 4	90 96 8ansi 94 94 94 94 94 93 94 94 102 103 103 103 104 95 89 90 89 95 93	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17 19 18 18 17 6 5 5 4 4 3 3 4 4 4 4 4 5 5 5 5 5 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8	96 101 100 100 100 100 100 100 100 99 99 100 101 101	14 25 CHL 12 12 12 12 12 13 14 13 12 12 12 35 35 35 36 37 36 12 10 7	88 94 85 84 84 84 84 84 84 84 89 90 92 90 94 88 87 88 88 88 88 88	6 12 anshee 6 6 6 6 6 6 7 7 4 4 7 7 15 15 13 14 8 13 5 5 4 4 3 3 5 5 4 4	94 99 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS	
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Notes

*Tones highlighted in bold are approved under the Construction Product Directive. Sound output (dBA) and current (mA) values are typical.

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DS/EXCEL/ISS 9



Quality System Certificate No. 456



