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).

The sounder is fitted with a professional capsule driven horn and comes with 32 user-selectable tones incorporating low frequencies, high frequencies, European, American and Australian norms and all industry-standard frequency patterns.

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.

Tested and approved to EN 54 Part 3, the Banshee Excel Lite™ boasts leading acoustics, aesthetically pleasing design and low power consumption. The units are designed for ease of installation and are complemented by a wide selection of accessories to suit all applications.















Features

Available with either Xenon or LED Beacon with a red or white body

Choice of lens colours

(CHX: Red, Clear, Amber, Blue, Green / CHL: Red, Clear)

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 BansheeMT - simple push and twist

mounting with locking screw

Extensive family of accessories for a wide range of applications Recyclable



Specification

-					
Operating Voltage (Vdc):	9-30				
Operating Voltage EN 54-3 (Vdc):	24 (20 -28)				
Tone Current Consumption (mA):	See Sound Output Table [#]				
Sound Output (dBA Typ @Im):	See Sound Output Table [#]				
Tones Available:	See Sound Output Table [#]				
Flash Current Consumption (mA):					
- @24 Vdc	40 (CHX), 16 (CHL)				
- @12 Vdc	90 (CHX), 12 (CHL)				
Light Output Rating (Cd):	TBC				
Flash Rate (Per Second):	1				
Body Colours:	Red or White				
Temperature Range (Deg C):	-15 to +40 (CHX)				
	-20 to +70 (CHL)				
Volume Control:	High, Medium (-10 dBA)				
	Low (-20 dBA)				
Environment Category / IP Rating:	Type A/IP45 Std Base				
	Type B/IP66 Deep Base				

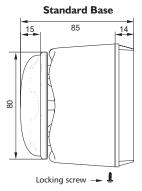
*Flash current consumption is additional to sounder tone current All units meet minimum requirements of IP21C Shallow Base and IP33C Deep Base in accordance with EN 54-3

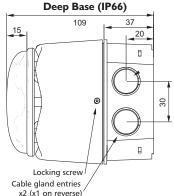


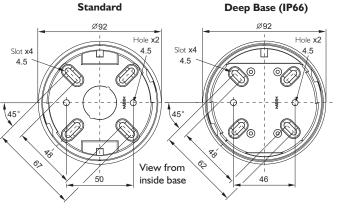
Installation

Banshee Excel Lite™ CHX/CHL Sounder Beacon

Banshee Excel[™] Common Base







*Sound Output Table & Tone Specification

1		DIL SW				2nd (12V)		(24V)	
2	No. 1 2 3 4 5 Des		Description	Frequency and timing	Ton	dE	BA	dBA	
3 0 1 0 0 Banshee Slow Sweep LF 800Hz to 950Hz sweept at 3Hz	1	00000	Banshee Buzz LF	800Hz to 950Hz swept at 120Hz	4	94	6	100	12
4	2	10000	Banshee Fast Sweep LF*	800Hz to 950Hz swept at 9Hz	4	94	6	100	12
5 0 0 1 0 0 Banshee Fast Sweep LF (New) 830Hz to 970Hz sweept at 9Hz 4 93 6 100 10 6 1 0 1 0 0 Medium Sweep LF* 800Hz to 970Hz sweept at 1Hz 7 94 6 100 12 7 0 1 1 0 0 Continuous LF Continuous at 950Hz 7 94 6 99 13 8 1 1 1 0 0 Back Up Alarm LF Intermittent at 950Hz I sec on, I sec off 4 93 6 99 14 9 0 0 0 1 0 Alternate LF Alternating 800Hz/1000Hz at 1Hz 4 94 6 100 13 10 1 0 1 0 0 1 0 Medium Sweep LF 800Hz to 1000Hz sweept at 0.5 secs 4 94 6 100 12 11 0 1 0 1 0 Banshee Buzz HF 2400Hz to 2900Hz at 120Hz 15 102 16 101 12 12 1 1 0 1 0 Banshee Slow Sweep HF 2400Hz to 2900Hz at 3Hz 15 103 17 110 35 13 0 0 1 1 0 B	3	01000	Banshee Slow Sweep LF	800Hz to 950Hz swept at 3Hz	4	94	6	100	12
6 1 0 1 0 0 Medium Sweep LF* 800Hz to 970Hz swept at Hz 7 94 6 100 12 7 0 1 1 0 0 Continuous LF Continuous at 950Hz 7 94 6 99 13 8 I 1 1 0 0 1 Back Up Alarm LF Intermittent at 950Hz I sec on, I sec off 4 93 6 99 14 9 0 0 0 1 0 Alternate LF Alternating 800Hz/1000Hz at 1Hz 4 94 6 100 13 10 1 0 1 0 1 Medium Sweep LF 800Hz to 1000Hz swept at 0.5 secs 4 94 6 100 12 11 0 1 0 1 0 Alternate LF Alternating Tones 800/950 at 3Hz 4 94 6 101 12 12 1 1 0 1 0 1 Banshee Buzz HF 2400Hz to 2900Hz at 9Hz 15 103 17 1 10 35 14 1 0 1 1 0 Banshee Slow Sweep HF 2400Hz to 2900Hz at 3Hz 15 103 17 1 10 35 15 1 0 1 1 0 Banshee Continuous HF Continuou	4	11000	Banshee Continuous LF	Continuous at 900Hz	4	94	6	100	12
7	5	00100	Banshee Fast Sweep LF (New)	830Hz to 970Hz swept at 9Hz	4	93	6	100	12
8 I I I I O O Back Up Alarm LF Intermittent at 950Hz I sec on, I sec off 4 93 6 99 14 9 O O I O Alternate LF Alternating 800Hz/I 000Hz at I Hz 4 94 6 100 13 10 I O O I O Medium Sweep LF 800Hz to 1000Hz swept at 0.5 secs 4 94 6 100 12 11 O I O I O Alternate LF Alternating Tones 800/950 at 3Hz 4 94 6 101 12 12 I I O I O Banshee Buzz HF 2400Hz to 2900Hz at 120Hz 15 102 16 109 35 14 I O I O Banshee Fast Sweep HF 2400Hz to 2900Hz at 9Hz 15 103 17 110 35 15 I I I O I O Banshee Fast Sweep HF 2400Hz to 2900Hz at 9Hz 15 103 17 10 35 16 I I I I O I Banshee Fast Sweep HF 2400Hz to 2900Hz at 9Hz 15 103 19 19 39 16 I I I I O I	6	10100	Medium Sweep LF*	800Hz to 970Hz swept at 1Hz	7	94	6	100	12
9 0 0 0 1 0 Alternate LF	7	01100	Continuous LF	Continuous at 950Hz	7	94	6	99	13
10 1 0 0 1 0 Medium Sweep LF 800Hz to 1000Hz swept at 0.5 secs	8	11100	Back Up Alarm LF	Intermittent at 950Hz I sec on, I sec off	4	93	6	99	14
11 0 1 0 1 0 Alternate LF	9	00010	Alternate LF	Alternating 800Hz/1000Hz at 1Hz	4	94	6	100	13
12 1 1 0 1 0 Banshee Buzz HF 2400Hz to 2900Hz at 120Hz 15 102 16 109 35 13 0 1 0 Banshee Fast Sweep HF 2400Hz to 2900Hz at 9Hz 15 103 17 110 35 14 10 1 0 Banshee Slow Sweep HF 2400Hz to 2900Hz at 3Hz 15 103 17 110 35 15 101 10 10 10 10 10	10	10010	Medium Sweep LF	800Hz to 1000Hz swept at 0.5 secs	4	94	6	100	12
13 0 0 1 1 0 10 Banshee Fast Sweep HF 2400Hz to 2900Hz at 3Hz 15 103 17 110 35 15 101 10 Banshee Slow Sweep HF 2400Hz to 2900Hz at 3Hz 15 103 17 110 35 15 101 10 Banshee Continuous HF Continuous 2900Hz 15 103 17 109 39 30 16 11 10 Banshee Fast Sweep HF (New) 2450Hz to 3100Hz swept at 9Hz 15 103 18 109 36 17 100 10 15 103 18 109 36 17 100 10 10 10 10 10 1	Ш			Alternating Tones 800/950 at 3Hz	4	94	6	101	12
14 1 0 1 1 0 Banshee Slow Sweep HF 2400Hz to 2900Hz at 3Hz 15 103 17 110 35 15 101 10 Banshee Continuous HF Continuous 2900Hz** 15 103 19 109 39 16 11 1 0 Banshee Cast Sweep HF (New) 2450Hz to 3100Hz swept at 9Hz 15 103 18 109 36 17 100 00 18 109 37 18 100 01 15 103 18 109 37 18 100 01 15 103 18 109 37 18 100 01 15 103 18 109 37 18 100 01 16 16 16 16 16 1	12	11010	Banshee Buzz HF	2400Hz to 2900Hz at 120Hz	15	102	16	109	35
15 0 1 1 0 Banshee Continuous HF Continuous 2900Hz* 15 103 19 109 39 16 11 1 0 Banshee Fast Sweep HF (New) 2450Hz to 3 100Hz swept at 9Hz 15 103 18 109 36 17 00 0 0 1 Back Up Alarm HF Intermittent at 2900Hz sec on, sec off* 15 103 18 109 37 18 10 0 0 1 Alternate HF Alternating Tones 2400/2900 at 3Hz 15 104 17 110 36 19 100 10 10 10 10 10 1	13	00110	Banshee Fast Sweep HF	2400Hz to 2900Hz at 9Hz	15	103	17	110	35
16	14	10110	Banshee Slow Sweep HF	2400Hz to 2900Hz at 3Hz	15	103	17	110	35
17 0 0 0 0 0 1 Back Up Alarm HF	15	01110	Banshee Continuous HF	Continuous 2900Hz*	15	103	19	109	39
18 1 0 0 0 1 Alternate HF	16	11110	Banshee Fast Sweep HF (New)	2450Hz to 3100Hz swept at 9Hz	15	103	18	109	36
19 0 1 0 0 1	17	00001	Back Up Alarm HF	Intermittent at 2900Hz I sec on, I sec off*	15	103	18	109	37
20 1 0 0 1 Din Tone (DK)* 1200Hz falling to 500Hz over I sec, silence I 0mS, repeat 4 93 5 100 10 12 10 10 I French Fire Sound* 554Hz for I 00mS and 440Hz for 400mS 4 90 4 96 7 22 10 10 I Australian Alert Signal 420Hz repeating 0.625 sec onf 0.625 sec off 4 89 3 94 6 6 3 01 10 I Australian Evacuation Signal 500Hz to I 200Hz sweeping, 3.75 secs on, 0.25 secs off 4 95 6 101 12 24 11 10 I US Temporal Tone LF 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for I.5secs and repeat 4 93 5 99 10 10 10 10 10 10 10	18	10001	Alternate HF	Alternating Tones 2400/2900 at 3Hz	15	104	17	110	36
21 0 0 1 French Fire Sound* 554Hz for 100mS and 440Hz for 400mS 4 90 4 96 7 7 7 1 1 1 1 1 1 1	19	01001	Slow Whoop*	500hz rising to 1200hz over 3.5 secs, silence 0.5 sec	4		6	101	12
22 1 0 1 0 1 Australian Alert Signal 420Hz repeating 0.625 sec on, 0.625 sec off 4 89 3 94 6 23 0 1 1 0 1 Australian Evacuation Signal 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 4 95 6 101 12 24 1 1 1 0 1 US Temporal Tone LF 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5secs and repeat 4 93 5 99 10 25 0 0 0 1 1 US Temporal Tone HF 2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5secs and repeat 15 103 13 109 27 26 1 0 0 1 1 Swedish Tone (Fire) Intermittent 660Hz 150mS on, 150mS off 26 90 3 96 6 27 0 1 0 1 1 Iso8201 LF Intermittent 970Hz 500mS on, 500mS off 28 90 5 96 10 29 0 0 1 1 1 ISO8201 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 109 27 30 1 0 1 1 1 BT Banshee (FP1063.1) Yodel 800Hz/1000Hz, 0.25sec eac	20				4	93	5	100	10
23 0 1 1 0 1 Australian Evacuation Signal 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 4 95 6 101 12 24 1 1 1 0 1 US Temporal Tone LF 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5secs and repeat 4 93 5 99 10 25 0 0 0 1 1 US Temporal Tone HF 2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5secs and repeat 15 103 13 109 27 26 10 0 1 1 Swedish Tone (Fire) Intermittent 660Hz I50mS on, 150mS off 26 90 3 96 6 27 0 1 0 1 1 Swedish Tone (All Clear) Continuous 660Hz 27 91 5 97 9 28 1 1 0 1 1 ISO8201 LF Intermittent 790Hz 500mS on, 500mS off 28 90 5 96 10 12 29 0 0 1 1 1 ISO8201 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 109 27 30 1 0 1 1 1 BT Banshee (FP1063.1) Yodel B00Hz/1000Hz, 0.25sec each freq	21	00101	French Fire Sound*	554Hz for 100mS and 440Hz for 400mS	4	90	4	96	7
24 I I I I 0 I US Temporal Tone LF 950Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat 4 93 5 99 10 25 0 0 0 I I US Temporal Tone HF 2900Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat 15 103 13 13 199 17 26 1 0 0 I I Swedish Tone (Fire) Intermittent 660Hz 150mS on, 150mS off 26 90 3 96 6 27 0 I 0 I I Swedish Tone (All Clear) Continuous 660Hz 27 9 1 5 97 9 28 I 1 0 I I SO8201 LF Intermittent 970Hz 500mS on, 500mS off 28 90 5 96 10 29 0 0 I I I SO8201 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 194 6 100 12 30 I 0 I I I I ST Banshee (FP1063.1) Yodel 800Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 I I I I ST Banshee (FP1063.1) Continuous 1000Hz 31 8 6 94 14 <td>22</td> <td>10101</td> <td>Australian Alert Signal</td> <td>420Hz repeating 0.625 sec on, 0.625 sec off</td> <td>4</td> <td>89</td> <td>3</td> <td>94</td> <td>6</td>	22	10101	Australian Alert Signal	420Hz repeating 0.625 sec on, 0.625 sec off	4	89	3	94	6
25 0 0 0 1 1 US Temporal Tone HF 2900Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat 15 103 13 109 27 26 1 0 0 1 1 Swedish Tone (Fire) Intermittent 660Hz 150mS on, 150mS off 26 90 3 96 6 27 0 1 0 1 1 ISwedish Tone (All Clear) Continuous 660Hz 27 91 5 97 9 28 1 1 0 1 1 ISO8201 LF Intermittent 970Hz 500mS on, 500mS off 28 90 5 96 10 29 0 0 1 1 1 ISO8201 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 109 27 30 1 0 1 1 1 BT Banshee (FP1063.1) Yode 800Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 1 1 1 1 BT Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	23	01101	Australian Evacuation Signal	500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	4	95	6	101	12
26 I 0 0 1 I Swedish Tone (Fire) Intermittent 660Hz 150mS on, 150mS off 26 90 3 96 6 27 0 1 0 I I Swedish Tone (All Clear) Continuous 660Hz 27 91 5 97 9 28 I 1 0 I I ISO8201 LF Intermittent 970Hz 500mS on, 500mS off 28 90 5 96 10 29 0 0 I I I ISO8201 LF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 10 9 12 30 I 0 I I I BT Banshee (FP1063.1) Yode 800Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 I I I I BT Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	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	93	5	99	10
27 0 1 0 1 1 Swedish Tone (All Clear) Continuous 660Hz 27 91 5 97 9 28 11 0 1 1 ISO8201 LF Intermittent 970Hz 500mS on, 500mS off 28 90 5 96 10 29 0 0 1 1 1 ISO8201 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 109 27 30 1 0 1 1 1 IST Banshee (FP1063.1) Yodel B00Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 1 1 1 IST Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	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	103	13	109	27
28 1 0 1 ISO820 LF Intermittent 970Hz 500mS on, 500mS off 28 90 5 96 10 29 0 0 1 ISO820 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 109 27 30 0 1 I BT Banshee (FP1063.1) Yodel 800Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 1 I BT Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	26	10011	Swedish Tone (Fire)	Intermittent 660Hz 150mS on, 150mS off	26	90	3	96	6
29 0 0 1 1 1 ISO8201 HF Intermittent 2900Hz 500mS on, 500mS off* 29 103 13 109 27 30 1 0 1 1 1 BT Banshee (FP1063.1) Yodel 800Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 1 1 1 1 BT Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	27	01011	Swedish Tone (All Clear)	Continuous 660Hz	27	91	5	97	9
30 1 0 1 1 1 1 BT Banshee (FP1063.1) Yodel 800Hz/1000Hz, 0.25sec each frequency 31 94 6 100 12 31 0 1 1 1 1 BT Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	28	11011	ISO8201 LF	Intermittent 970Hz 500mS on, 500mS off	28	90	5	96	10
31 0 1 1 1 1 BT Banshee (FP1063.1) Continuous 1000Hz 31 88 6 94 14	29	00111	ISO8201 HF	Intermittent 2900Hz 500mS on, 500mS off*	29	103	13	109	27
	30	10111	BT Banshee (FP1063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency	31	94	6	100	12
32	31	0	BT Banshee (FP1063.1)	Continuous I 000Hz	31	88	6	94	14
	32	11111	Bell Tone	Bell Tone	32	94	12	99	25

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

Part Numbers - Spares & Accessories

8502700: Mains Pack - 110 Vac/230 Vac input 24 Vdc output
8502800: Cable Spacing Ring for Surface Wiring of sounder
8502900: Flush Mounting Ring - for Banshee Excel, Excel Lite
8503000: Combination bracket - for Sounders and Strobes

8503100: External Fixing Clip for Deep Base (avoids drilling base thus retaining IP66 rating)

BA87331/P: Deep Base - White, complete with 'O' Ring BA87341/P: Deep Base - Red, complete with 'O' Ring BA87351/P: Deep Base - Grey, complete with 'O' Ring

Part Numbers

(Model-Body Col/Lens Col/ Base)

958CHL1000: CHL-Red/Red/Std 958CHL1001: CHL-Red/Red/Deep 958CHL1100: CHL-Red/Clear/Std 958CHL1101: CHL-Red/Clear/Deep 958CHL1500: CHL-White/Red/Std 958CHL1501: CHL-White/Red/Deep 958CHL1600: CHL-White/Clear/Std 958CHL1601: CHL-White/Clear/Deep 958CHX1000: CHX-Red/Red/Std 958CHX1001: CHX-Red/Red/Deep 958CHX1100: CHX-Red/White/Std 958CHX1101: CHX-Red/White/Deep 958CHX1200: CHX-Red/Amber/Std 958CHX1201: CHX-Red/Amber/Deep 958CHX1300: CHX-Red/Blue/Std 958CHX1301: CHX-Red/Blue/Deep 958CHX1400: CHX-Red/Green/Std 958CHX1401: CHX-Red/Green/Deep 958CHX1500: CHX-White/Red/Std 958CHX1501: CHX-White/Red/Deep 958CHX1600: CHX-White/Clear/Std 958CHX1601: CHX-White/Clear/Deep 958CHX1700: CHX-White/Amber/Std 958CHX1701: CHX-White/Amber/Deep 958CHX1800: CHX-White/Blue/Std 958CHX1801: CHX-White/Blue/Deep 958CHX1900: CHX-White/Green/Std 958CHX1901: CHX-White/Green/Deep





