Product Data Sheet

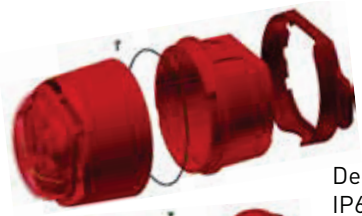
Banshee Excel Lite™
Xenon
Audible Warning Device

The new Banshee Excel Lite™ combines the aesthetics of the Excel Sounder with the very latest strobe technology to create an extremely efficient Xenon sounder/beacon combination.

Available in a wide range of colours the Banshee Excel Lite™ Xenon will meet the majority of Fire and Security applications where dual notification is required. The unit has the option of independent or combined operation.

Manufactured in a flame retardant polymer in a choice of base colours and 5 lens colour options.

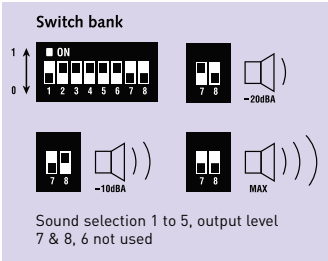
The Banshee Excel Lite™ Xenon utilises the same easy push and twist bayonet fixing as the Banshee Excel and the original MT Banshee™.



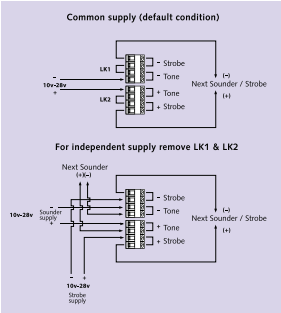
Deep base with IP66 mounting accessory

Shallow base

Lens colours available



Connection diagram



- Approved to EN54 - 3
- 2831-CPR-F1834 by BRE
- Ultra low current consumption
- 32 user selectable tones
- Choice of 3 volume levels
- Rated IP66 or IP45
- Installation via side and rear cable entry
- Simple in and out wiring blocks
- Temperature range from -15°C to +40°C
- Easy push and twist lockable bayonet mounting
- Full range of accessories available

Hosiden Besson Ltd
12 St. Joseph's Trading Estate
St. Joseph's Close
Brighton & Hove
East Sussex BN3 7EZ, UK
Tel: +44 (0)1273 860000
Fax: +44 (0)1273 777501
Email: info@hbl.co.uk www.hbl.co.uk

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Specification

Termination:	1 x 8 way terminal block Screw terminals for 0.28mm^2 to 2.5mm^2 wire conductor
EN54-3 Voltage Range:	24VDC (20VDC to 28VDC)
Operating Voltage Range:	9VDC to 30VDC*
Tone Current Consumption:	See Sound output table
Tone Synchronisation:	Synchronised start
Flash Rate:	1/Sec
Flash Current Consumption:	90mA @ 12VDC 40mA @ 24VDC
Operating Temperature:	-15°C to +40°C
Case Material:	ABS
Environment Category:	Type A
IP Rating:*	Shallow base IP45 Deep base IP66

Units meet minimum requirements of IP21C shallow base and IP33C deep base in accordance with EN54-3.

Specifications with an* have not been verified to be EN54-3 compliant.

Installation

All installation to be carried out by a competent person

IP66 Deep Base Moulding (weatherproof)

- To maintain IP rating when using a deep base, use wall mounting bracket Part Number: MM08728. Do not drill fixing holes in deep base. Use suitably rated 20mm cable glands to fit cables or conduit via side knock-outs. Fit 'O'-Ring seal between lens and base.

Non-IP66 Deep Base

- Knock out the conduit/cable gland holes in side of deep base.
- Fit conduit or 20mm cable glands then screw the base to the mounting surface or BESA box.

Shallow Base Moulding

- Drill mounting holes in the bottom of base for screw fixings.
- Route cable through rear hole or side knock-outs.
- Screw the base to the mounting surface or BESA box.

All fixings

- Connect unit as shown in connection diagram (Left). Note: If independent supplies are required for the sounder and the beacon elements, remove LK1 and LK2.
- Place the Excel Lite onto the base and turn clockwise to retain.
- To remove the Excel Lite turn unit counter-clockwise.
- Where applicable, fit the security screw through the hole in the side of the lens assembly.

Sound Output Table

No.	Sound Frequencies and Patterns	code 12345	Description	EN54-3 28Vdc	Typ SPL@1m on axis		Typ Current mA	
				see notes	12V	24V	12V	24V
1	800Hz to 950Hz swept at 120Hz	00000	Banshee Buzz LF	-	94	100	6	12
2	800Hz to 950Hz swept at 9Hz	10000	Banshee Fast Sweep LF	✓	94	100	6	12
3	800Hz to 950Hz swept at 3Hz	01000	Banshee Slow Sweep LF	-	94	100	6	12
4	Continuous at 900Hz	11000	Banshee Continuous LF	-	94	100	6	12
5	830Hz to 970Hz swept at 9Hz	00100	Banshee Fast Sweep LF (New)	-	93	100	6	12
6	800Hz to 970Hz swept at 1Hz	10100	Medium Sweep LF	✓	94	100	6	12
7	Continuous at 950Hz	01100	Continuous LF	-	94	99	6	13
8	Intermittent at 950Hz 1sec on, 1sec off	11100	Backup Alarm LF	-	93	99	7	14
9	Alternating 800Hz/1000Hz, 0.5sec each sound	00010	Alternate LF	-	94	100	6	13
10	800Hz/1000Hz swept at 0.5sec	10010	Medium Sweep LF	-	94	100	6	12
11	Alternating tones 800/950Hz at 3Hz	01010	Alternate LF	-	94	101	6	12
12	2400Hz to 2900Hz at 120Hz	11010	Banshee buzz HF	-	102	109	16	35
13	2400Hz to 2900Hz at 9Hz	00110	Banshee Fast Sweep HF	-	103	110	17	35
14	2400Hz to 2900Hz at 3Hz	10110	Banshee Slow Sweep HF	-	103	110	17	35
15	Continuous2900Hz	01110	Banshee Continuous HF	-	103	109	19	39
16	2450Hz to 3100Hz swept at 9Hz	11110	Banshee Fast Sweep HF (New)	-	103	109	18	36
17	Intermittent at 2900Hz 1sec on, 1sec off	00001	Backup Alarm HF	-	103	109	18	36
18	Alternating tones 2400/2900Hz at 3Hz	10001	Alternate HF	-	104	110	16	36
19	500Hz rising to 1200Hz over 3.5, silence 0.5sec	01001	Slow Whoop	✓	95	101	6	12
20	1200Hz falling to 500Hz over 1sec, silence 10ms	11001	Din Tone (DK)	✓	93	100	5	10
21	554Hz for 100ms and 440Hz for 400ms	00101	French Fire Sound	✓	90	96	4	7
22	420Hz repeating 0.625sec on, 0.625sec off	10101	Australian Alert Signal	-	89	94	3	6
23	500Hz rising to 1200Hz over 3.75sec on, 0.25sec off	01101	Australian Evacuation Signal	-	95	101	6	12
24	950Hz for 0.5sec on 0.5sec off, for 3 phases, silence for 1.5sec	11101	US Temporal Tone LF	-	93	99	5	10
25	2900Hz for 0.5sec on 0.5sec off, for 3 phases, silence for 1.5sec	00011	US Temporal Tone HF	-	103	109	13	26
26	Intermittent 660Hz 150ms on, 150ms off	10011	Swedish Tone (Fire)	-	90	96	3	6
27	Continuous 660Hz	01011	Swedish Tone (All Clear)	-	91	97	5	9
28	Intermittent 970Hz 500ms on, 500ms off	11011	ISO8201 LF	-	90	96	5	10
29	Intermittent 2900Hz 500ms on, 500ms off	00111	ISO8201 HF	-	103	109	13	27
30	Yodel 800Hz/1000Hz, 0.25sec each frequency	10111	BT Banshee (FP1063.1)	-	94	100	6	12
31	Continuous 1000Hz	01111	BT Banshee (FP1063.1)	-	88	94	6	14
32	Bell Tone	11111	Bell Tone	-	94	99	12	25

- Volume control providing up to 20dB attenuation. All frequencies are nominal.
- Column EN54-3 shows tones approved under the Construction Products Regulation.
- Polar diagram information is available in the technical manual, available on request.

LPCB Loss Prevention Certification Board — UKAS Management Systems 0007

EN 54-3:2001 + A1:2002 + A2:2006
Cert/LPCB ref. 539c

bsi. ISO 9001 Quality Management — ISO 14001 Environmental Management

FM 00755 EMS 541843

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