Product Overview

The Reacton® Sounder Beacon is used to provide an audible and visual indication that the system has been activated. The Sounder Beacon is configured with the pressure switches that Reacton offer. The unit is battery operated so can be used independentally of any Fire Alarm Panel if required.

Key Features

- EN54-3 LPCB Approved
- LED Sounder / Beacon
- Flame Retardant Polymer
- Ultra Low Current Consumption
- Battery Operated
- 32 User selectable tones
- 3 Volume Settings
- Rated IP66 for deep base and IP45 for shallow base units
- Easy Push & Twist Lockable Bayonet Mounting
- Simple in & out wiring blocks

Common Applications

- Heavy Duty Mobile Vehicles
- Buses and Coaches
- Power Generators
- Wind Turbines
- Sports Racing Cars or Boats
- Commercial Boats & Yachts

Reacton Cylinder Compatibility

- Dry Powder
- Wet Chemical
- Clean Agent
- Water
- Inert Gas

MADE IN BRITAIN

Mechanical Data

Material:	Body: Flame Retardant ABS Polymer
Finish:	Natural
Marking:	None
Weight:	0.48kg (0.94kg with cable)
Electrical Connections:	1 x 8 way terminal block Screw terminal for 0.28mm^2
Mechanical Connections:	20mm Cable gland

Functional & Environmental Data

	Min	Max
Operating Voltage:	9VDC	30VDC
Tone Current Consumption:	See Output Table	
Flash Current Consumption:	12mA @ 12VDC & 16mA @ 24VDC	
Flash Rate	1/sec	
Sound Frequencie	See Output Table	
Operating Temperature (Piezo):	-20ºC to +70ºC [-4°F to + 158°F]	
IP Rating	IP45 - Shallow Base IP66 - Deep Base	

Reacton Fire Suppression Ltd
14 Baynes Place, Waterhouse Business Park, Chelmsford Essex, CM1 2QX, U.K
T: 0800 030 6526 **E:** info@reactonfire.com **W:** www.reactonfire.com

REACTON FIRE SUPPRESSION

Dimensions

*All dimensions in mm. The configuration shown in the above Figure is standard. (Deep base)

Principle of Operation / Purpose of use

The Reacton® Sounder Beacon will be wired directly to the pressure switch from the fire suppression system. All pressure switches can be wired up either Normally Open (N/O) or Normally Closed (N/C). Depending on your installation you can utilise a 9V battery to power the unit or the power from your control panel.

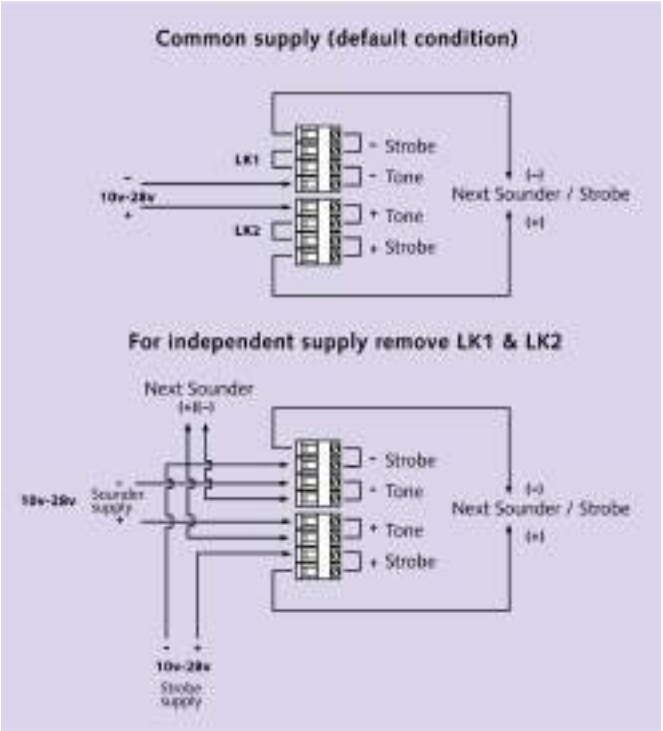
Design Considerations

Please check the relevant Design, Installation, Operation & Maintanance manual for further information.

Compatibility List

Reacton® CT Direct Systems
Reacton® CTX Indirect Systems

Wiring Information



For fully independant power and 9V battery operation please order:
9 Volt Battery Holder with Switch - Part Number RE6541

Reacton Fire Suppression Ltd
14 Baynes Place, Waterhouse Business Park, Chelmsford Essex, CM1 2QX, U.K
T: 0800 030 6526 **E:** info@reactonfire.com **W:** www.reactonfire.com

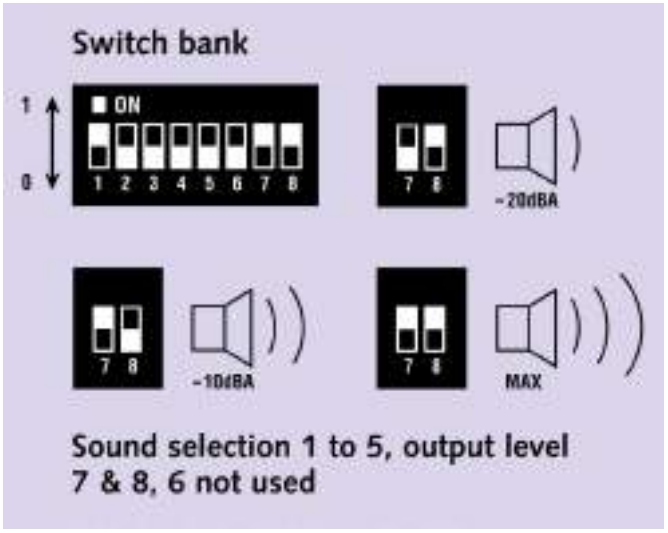
Sound Output Table

Sound Output Table

No.	Sound Frequencies and Patterns	code 12345	Description	EN54-3 28Vdc see notes	Capsule Typ SPL@1m on axis 12V	Capsule Typ SPL@1m on axis 24V	Capsule Typ Current mA 12V	Capsule Typ Current mA 24V	Piezo Horn Typ SPL@1m on axis 12V	Piezo Horn Typ SPL@1m on axis 24V	Piezo Horn Typ Current mA 12V	Piezo Horn Typ Current mA 24V
1	800Hz to 950Hz swept at 120Hz	00000	Banshee Buzz LF	-	94	100	6	12	90	98	4	11
2	800Hz to 950Hz swept at 9Hz	10000	Banshee Fast Sweep LF	✓	94	100	6	12	90	99	4	11
3	800Hz to 950Hz swept at 3Hz	01000	Banshee Slow Sweep LF	-	94	100	6	12	91	99	4	11
4	Continuous at 900Hz	11000	Banshee Continuous LF	-	94	100	6	12	91	99	5	14
5	830Hz to 970Hz swept at 9Hz	00100	Banshee Fast Sweep LF (New)	-	93	100	6	12	91	99	5	11
6	800Hz to 970Hz swept at 1Hz	10100	Medium Sweep LF	✓	94	100	6	12	92	99	5	11
7	Continuous at 970Hz	01100	Continuous LF	-	94	99	6	13	89	95	5	10
8	Intermittant at 950Hz 1s on, 1s off	11100	Backup Alarm LF	-	93	99	7	14	89	95	5	10
9	Alternating 800Hz/1000Hz at 1Hz	00010	Alternate LF	-	94	100	6	13	87	95	4	9
10	800Hz/1000Hz swept at 0.5s	10010	Medium Sweep LF	-	94	100	6	12	91	99	4	11
11	Alternating tones 800/950Hz at 3Hz	01010	Alternate LF	-	94	101	6	12	89	96	4	10
12	2400Hz to 2900Hz at 120Hz	11010	Banshee buzz HF	-	102	109	16	35	100	108	13	30
13	2400Hz to 2900Hz at 9Hz	00110	Banshee Fast Sweep HF	-	103	110	17	35	101	108	12	29
14	2400Hz to 2900Hz at 3Hz	10110	Banshee Slow Sweep HF	-	103	110	17	35	102	109	14	30
15	Continuous 2900Hz	01110	Banshee Continuous HF	-	103	109	19	39	98	103	8	17
16	2450Hz to 3100Hz swept at 9Hz	11110	Banshee Fast Sweep HF (New)	-	103	109	18	36	101	108	12	27
17	Intermittant at 2900Hz 1sec on, 1sec off	00001	Backup Alarm HF	-	103	109	18	36	98	103	8	17
18	Alternating tones 2400/2900Hz at 3Hz	10001	Alternate HF	-	104	110	16	36	98	105	10	23
19	500Hz rising to 1200Hz over 3.5 sec, silence 0.5sec,	01001	Slow Whoop	✓	95	101	6	12	91	99	5	11
20	1200Hz falling to 500Hz over 1sec, silence 10mS	11001	Din Tone (DK)	✓	93	100	5	10	89	97	4	9
21	554Hz for 100ms and 440Hz for 400mS	00101	French Fire Sounder	✓	90	96	4	7	85	92	3	6
22	420Hz repeating 0.625 sec on, 0.625 sec off	10101	Australian Alert Signal	-	89	94	3	6	81	87	3	5
23	500Hz to 1200Hz sweeping 3.75 secs on, 0.25 secs off	01101	Australian Evacuation Signal	-	95	101	6	12	91	99	5	10
24	950Hz for 0.5s on 0.5s off, for 3 phases, silence for 1.5s	11101	US Temporal Tone LF	-	93	99	5	10	89	95	4	8
25	2900Hz for 0.5s on 0.5s off, for 3 phases, silence for 1.5s	00011	US Temporal Tone HF	-	103	109	13	26	98	103	6	13
26	Intermittant 660Hz 150mS on, 150mS off	10011	Swedish Tone (Fire)	-	90	96	3	6	75	81	3	5
27	Continuous 660Hz	01011	Swedish Tone (All Clear)	-	91	97	5	9	75	84	4	8
28	Intermittant 970Hz 500mS on, 500mS off	11011	ISO8201 LF	-	90	96	5	10	85	91	4	7
29	Intermittant 2900Hz 500mS on, 500mS off	00111	ISO8201 HF	-	103	109	13	27	97	102	7	14
30	Yodel 800Hz/1000Hz, 0.25 sec	10111	BT Banshee (FP1063.1)	-	94	100	6	12	87	96	4	9
31	Continuous 1000Hz	01111	BT Banshee (FP1063.1)	-	88	94	6	14	80	87	4	9
32	Bell Tone	11111	Bell Tone	-	94	99	12	29	87	93	5	10

- Volume control providing up to 20dB attenuation. All Frequency are nominal.
- Column EN54-3 shows tones approved under the Construction Product Directive.
- Polar diagram information is available in the technical manual, available on request.
- Specifications shown with an * have not been verified to be EN54-3 compliant.

Switch Bank Information



Warranty Validity & Precautions

The warranty is invalidated if the system or part is used under conditions other than those indicated in this datasheet or/and the product has been custom modified.

Stresses above the maximum limits indicated may cause permanent damage to the part or system. Exposure to absolute maximum rating conditions for extended periods may affect reliability that could compromise the system integrity and lead to loss of asset, serious injury or death.

Whilst Reacton has taken care to ensure the accuracy of the information contained herein it accepts no responsibility for the consequences of any use thereof and reserves the right to change the specification of goods without notice.

Reacton Fire Suppression Ltd
14 Baynes Place, Waterhouse Business Park, Chelmsford Essex, CM1 2QX, U.K
T: 0800 030 6526 **E:** info@reactonfire.com **W:** www.reactonfire.com