EAGLE INSTALLATION DETAILS

The Eagle can provide 28 tones by setting the switches as shown on the table overleaf T he mains version is supplied with a lockable base only to prevent unauthorised access, and a special tool to unlock the base

Mounting bases

Shallow - for mounting onto BEZA back box: 2 off ø5.0 screw holes. 1 off ø12.0 cable hole Ready drilled.

Deep - for conduit connections at 180° orientation 4 off ø5.0 screw holes 2 off ø21.0 recess to accommodate cable-glands or conduit connectors. Holes to be drilled according to requirement.

"U" for parallel conduits:
2 off 5.5 x 10.5 slots. 4 off ø5.0 screw holes. 2 off ø21.0 recess to accommodate cable-glands or conduit connectors. Holes to be drilled according to requirement.

Installation

i. Drill out the conduit and mounting holes. (these are pro- drilled on the shallow base)
ii. Fit - conduit/cable glands then screw the sounder to its mounting surface.
iii. connect wires.
iv. Close the unit and twist the top clockwise to lock. The top will not close onto a lockable base if it is presented in the wrong orientation, in which case it should be turned though 90° or 180 in order to fit.

Electrical details

Termination: Screw terminals for wire up to 0.75mm² 6A rating conductor.

A.C. Mains version

Supply Voltage	:	110V - 230V AC 50/60Hz
Current	:	35mA max.
Internal fuse	:	315mA Anti-surge
Temp range	:	-10°C to +55°C

D.C. version

Supply Voltage	:	9 to 28V DC
Current	:	see tones table
Start current	:	30mA for 2mS
Monitoring	:	polarising diode
Second tone	:	Connect third wire to -ve.
Temp range	:	-25°C to +70°C

Mechanical details

Diameter	:	92mm
Overall depth	:	Shallow base 76mm, Deep base 103mm "U" base 106mm.
IP rating	:	Shallow base IP54, Deep and 'U' base IP65
Case material	:	ABS plastic

Wiring and connection details

Important:
The mains version should only be installed by a suitably qualified person. The mains supply should be isolated before opening. Ensure that cables are secured using a suitable cable gland.

Figure 3a - A.C. mains connection

A readily accessible disconnect device must he incorporated in the mains supply wiring to this unit. Refer to current wiring regulations.

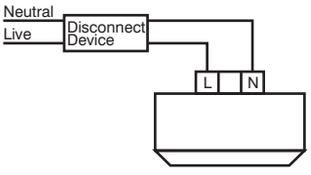


Figure 3b - D.C. connection

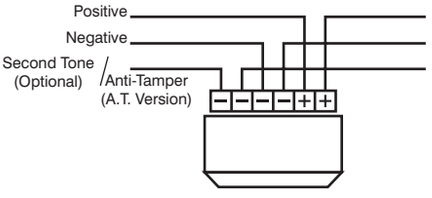


Figure 1 - drill conduit and mounting base

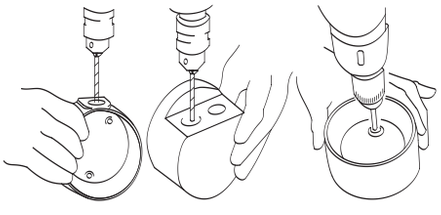
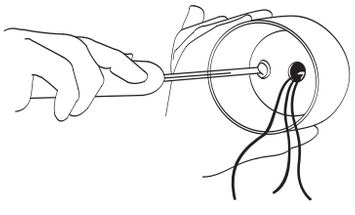


Figure 2 - screw base to mounting surface or BEZA back box



Tones table

No	Tone	2nd Tone	Code 12345	Description	Typical Current (avg. mA)		Typical S.P.L. @ 1M	
					12V	24V	12V	24V
1	Alternating tones at 800/970Hz at 2Hz	14	11111	BS5839 Part 1 1988	10	18	94	101
2	Sweeping 800/970Hz at 7Hz	14	11110	Fast sweep (LF) BS5839 Part 1 1988	10	18	95	102
3	Sweeping 800/900Hz at 1Hz	14	11101	Medium sweep (LF) BS5839 Part 1 1988	10	18	96	102
4	Continuous at 2850Hz	14	11100		16	32	105	111
5	Sweeping 2400-2850Hz at 7Hz	4	11011	Fast sweep	18	30	104	111
6	Sweeping 2400-2850Hz at 1Hz	4	11010		17	30	104	111
7	Slow Whoop	14	11001	Slow Whoop	12	20	93	99
8	Sweep 1200-500Hz at 1Hz	14	11000	Din tone	9	16	92	99
9	Alternating tones at 2400/2850Hz at 2Hz	4	10111		19	30	103	110
10	Intermittent tone of 970Hz at 1Hz	14	10110	Back-up Alarm (LF) BS5839 Part 1 1988	9	12	94	101
11	Alternating tones at 800/970Hz at 1Hz	14	10101	BS5839 Part 1 1988	10	18	94	101
12	Intermittent tone of 2850Hz at 1Hz	4	10100	Back-up Alarm (HF)	14	24	103	110
13	970 Hz at ½S on / 1S off	14	10011	BS5839 Part 1 1988	5	8	90	97
14	Continuous at 970Hz	14	10010	BS5839 Part 1 1988	11	20	95	102
15	554Hz for 100MS and 440Hz for 400MS	14	10001	French Fire Sound	7	12	88	94
16	Intermittent 660Hz 150MS On/150MS Off	16	10000	Swedish Alarm Tone	6	9	81	87
17	Intermittent 660Hz 1.8S On/1.8S Off	17	01111	Swedish Alarm Tone	7	12	84	89
18	Intermittent 660Hz for 6.5S On/13S Off	18	01110	Swedish Alarm Tone	8	14	84	89
19	Continuous 660Hz	19	01101	Swedish Alarm Tone	8	14	84	90
20	Alternating 554/440Hz at 1Hz	20	01100	Swedish Alarm Tone	7	13	91	97
21	Intermittent 660Hz at 1Hz	21	01011	Swedish Alarm Tone	6	10	82	88
22	Intermittent 2850Hz 150MS On/100MS Off	14	01010	Pelican Crossing	13	22	102	110
23	Sweep 800-970Hz at 50Hz	14	01001	Low Frequency Buzz BS5839 Part 1 1988	10	18	96	102
24	Sweep 2400-2850Hz at 50Hz	4	01000	High Frequency Buzz	14	25	104	111
25	Intermittent 970Hz 500MS On/500MS Off	25	00111	ISO 8201 Low Frequency BS5839 Part 1 1988	9	14	93	100
26	Intermittent 2850Hz 500MS On/500MS Off	26	00110	ISO 8201High Frequency	12	20	102	109
27	Continuous at 4kHz	27	00101		18	35	76	84
28	Alternating tones 800/970Hz at 2Hz	10	00100	FP1063.1 - telecoms	10	17	94	101