

# NS100

## Sounder / Siren EN54-3 Approved

This EN54 approved sounder provides a high efficiency, low power solution for alarm signalling where audible signals are required.

The NS100 has a unique first fix installation method in the base, this unit is quick to install to reduce the cost of installation.

The high quality and robust design ensures that the user has trouble free operation over the life of the product, even in tough environments.

With a wide range of selectable options for tones, the product is suitable for a wide range of applications.



### Key Features

- Quick First fix installation
- Wide operating voltage 12 to 56Vdc
- Low power consumption
- Reverse polarity monitoring
- 32 alarm tones
- 2 stage alarm option
- Fully synchronised
- IP65 rated with Deep base

### Applications

Offices, Retail outlets, Hospitals, Universities, Commercial and Industrial sites, Shopping Malls, Power stations, Airports, Railway stations, Stadiums etc..

### Key Benefits

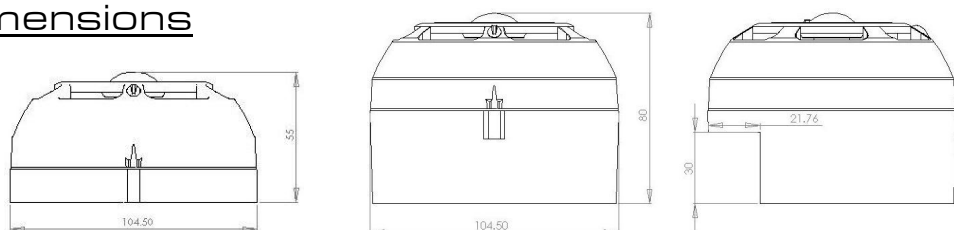
- Maintains SPL approval compliance on long cable lengths.
- Full synchronisation across tones and flashes on all products in the range enabling very flexible system upgrades and changes.
- Lower installation costs  
One unit suits many applications
- High specification and efficiency simplifies product selection

# Product data

## Specification

	Compliant operating range	Maximum Operating range
Supply voltage range	18—56 V dc	12 - 56V dc
Current consumption	10mA to 30mA depending on setting	
Cable monitoring	reverse polarity monitoring	
Terminal size	0.28 to 2.5mm <sup>2</sup> conductor	
Sound Output	>95dB(A) < 110dB(A) tone dependant	
32 selectable tones	Selected via DIL switch	
Volume control	Provides up to -25dB attenuation	
Flash options	High and low output, 1s and 2s flash rates DIL switch selectable	
Material	V0 rated ABS base, V0 Polycarbonate lens	
Weight	225g	
Base colour	White or Red	
Fixing method	Body to base – Bayonet auto connect, Base to wall - Screw	
Operating temperature	-25°C to +75°C	
IP Rating	IP33C or IP65 and Type B	

## Dimensions



Tone Number	Tone description	Switches 45678	2 <sup>nd</sup> tone	Typical SPL @ 1m	EN54-3 SPL @28V on axis
1	800 & 1000Hz, Alternating (250ms – 250ms)	00000	21	103	
2	660Hz, Intermittent (1.8s ON – 1.8s OFF)	00001	2	103	
3	2400 & 2900Hz, Alternating (250ms – 250ms)	00010	22	110	
4	1000Hz Intermittent (0.5s ON, 0.5s OFF X3, 1s OFF) ISO 8201	00011	18	100	
5	2400 – 2900Hz Sweep, (7Hz)	00100	22	110	
6	660Hz, Intermittent (0.5s ON – 0.5s OFF)	00101	6	103	103
7	1000Hz Intermittent (0.25s ON, 1s OFF )	00110	21	100	
8	800 - 1000Hz, Sweep, (1Hz)	01000	21	103	103
9	660Hz, Continuous	01001	9	103	
10	800 & 1000Hz, Alternating (0.5s – 0.5s)	01010	21	103	101
11	1400 – 2000Hz, Sweep (10Hz)	01011	11	102	
12	500 -1200Hz, Sweep, (3.5s ON -0.5s OFF)	01100	21	103	103
13	800 - 1000Hz, Buzz (Sweep at 50Hz)	01101	21	100	
14	440Hz (100ms) and 554Hz (400ms), Alternating	01110	21	103	
15	800 – 1000Hz, Fast Sweep, (7Hz)	10000	21	103	
16	660Hz, Intermittent (6.5s ON – 13s OFF)	10001	16	103	
17	1000Hz, Intermittent (1s ON – 1s OFF)	10010	21	100	
18	2900Hz Intermittent (0.5s ON, 0.5s OFF X3, 1s OFF) ISO 8201	10011	4	106	
19	2400 – 2900Hz, Sweep, (1Hz)	10100	22	108	
20	2900Hz Intermittent (150ms ON, 100ms OFF )	10101	21	104	
21	1000Hz, Continuous	10110	21	100	
22	2900Hz, Continuous	11000	21	105	
23	440 & 554Hz, Alternating (1s – 1s)	11001	23	0	
24	2900Hz, Intermittent (1s ON – 1s OFF)	11010	22	105	
25	800 & 1000Hz, Alternating (0.5s – 0.5s)	11011	22	103	
26	1200 - 500Hz, Sweep, (1Hz), DIN tone	11100	21	103	
27	2400 – 2900Hz, Buzz (Sweep at 50Hz)	11101	22	108	
28	660Hz, Intermittent (150ms ON – 150ms OFF)	11110	28	103	
29	990 - 660Hz, Alternating (0.5s - 0.5s)	00111	6	101	
30	910 - 685Hz, Alternating (250ms - 250ms)	01111	6	100	
31	750 - 1000Hz, Alternating (0.5s - 0.5s)	10111	17	98	
32	925 - 628Hz, Alternating (250ms - 250ms)	11111	6	100	

## Order codes

See data sheet DS45-0010 A for more details

NSF100R-R-S	Sounder in Red with red strobe and shallow base
NSF100R-R-D	Sounder in Red with red strobe and Deep base
NSF100R-R-DAK	Sounder in Red with red strobe and DAK base