

Conventional Audible Visual Devices

Sounder Beacons EN54-23 Approved VAD's

> Product Overview

KAC's Conventional Sounder Beacon is ideal for applications where a dual purpose audible and visual alarm device is required. The product features a new folded horn design, high output LEDs, advanced optics and an innovative lens design, providing outstanding sound output and omni-directional light coverage at low current draw. Specifically designed and approved to meet both EN54-3 and EN54-23, the ENscape Sounder Beacon delivers outstanding quality, reliability and extended operational life.

> Certification



> Product Benefits

Simple, Fast, Flexible Installation

- Omni directional light coverage eliminates need for device orientation.
- First fix capability allows electrical continuity testing prior to device fitting.
- Deep base option with multiple cable entries for flexible installation.
- Designed with full range of common fixing centres.
- Positive fit engagement & feedback of base with device for easy installation.

Universal Device

- Tailor made range; selection according to EN54-23 C W & O categories.
- Suitable for wall and ceiling mount applications.
- Global tone set: 32 tones including a new bell tone.
- Range of installation and base options, for indoor and applications up to IP65.
- Operates on 12V and 24V systems, making the range suitable for use in fire & security applications.

Outstanding Performance

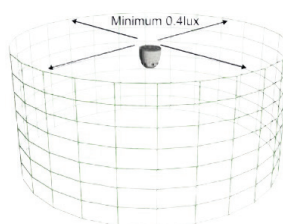
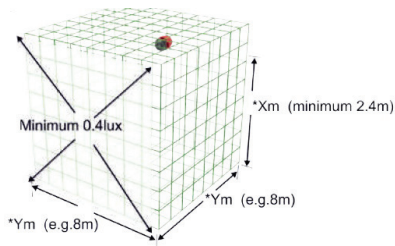
- Approved to EN54-3 and EN54-23, C, W & O categories.
- 32 tones all approved to EN54-3.
- Advanced optics ensure superior light coverage. Synchronised flash exceeds EN54-23 standard.
- Choice of white or red light flash options.
- Soft start feature reduces power surges during system start-up.

Quality & Reliability

- Independently approved to all required standards:
 - Manufacturing: Construction Products Regulation (CPR).
 - Product performance:
 - Light output: EN54-23 C W & O Categories
 - Sound output: EN54-3.
 - Environmental: RoHS, WEEE

> The requirements of EN54-23

A cube or cylinder of light with a minimum of 0.4 Lumens/m².



* X & Y dimensions are defined by the device manufacturer

> Introducing the Range

Device	Approvals		Body Colour		Flash Colour		Installation Options		Lens Colour	Environmental Compliance
ENscape Sounder Beacon	EN54-23	EN54-3	Red	White	Red	White	Standard device	First Fix	Clear	RoHS/ WEEE
	W & C Category	✓	✓	✓	✓	✓	✓	✓	✓	✓
	O Category	✓	✓	✓	✓	✗	✓	✓	✓	✓

Technical Specification

Electrical Specification

Operating Voltage:	12 to 29VDC
Approved Operating Voltage:	EN54-3 @ 9-14 VDC & 18-29 VDC
C & W Category:	EN54-23 @ 12 to 29 VDC
O Category:	EN54-23@ 24 to 29VDC
Average Current Consumption:	
W Category:	49mA @ 29VDC, Tone 7
O Category:	22mA @ 29VDC, Tone 7

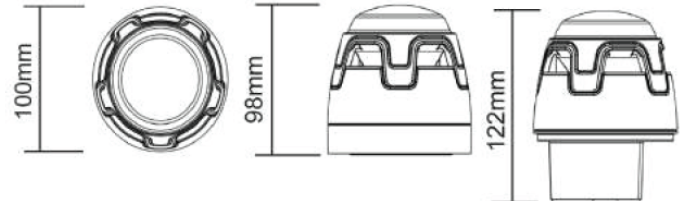
Mechanical Specification

Body Colour:	Red / White
Maximum Sound Output:	107dB(A) @1m (Tone 23)
Number of Tones:	32 includes a bell tone.
<i>Full tone table available on website and installation manual</i>	
Volume setting:	High or medium
Cable Terminal Size:	0.5-2.5mm ²
Material Lens/Body:	Flame retardant PC/ABS
Gross Weight:	
Standard device (low profile):	248g (W Category) 236g (O Category)
Standard device (deep / IP65):	255g (W Category) 242g (O Category)
First Fix option (low profile):	258g (W Category) 246g (O Category)
First Fix option (deep / IP65):	265g (W Category) 252g (O Category)

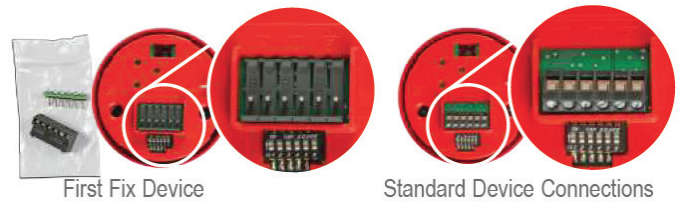
Environmental Specification

Operating Temp:	-25°C to 70°C
Relative Humidity:	93% ±3%, non condensing
Ingress Protection:	IP21C (low profile base) IP65 (deep base)
For RoHS & WEEE	Please visit KAC website

Dimensions



Wiring Options



Product Performance

ENscape Sounder Beacon	Wall mount W Category	Wall mount W Category	Ceiling mount C Category	Ceiling mount C Category	Wall mount O Category	Ceiling mount O Category
Flash Colour	White	Red	White	Red	Red	Red
EN54-23 coverage volume code	W-2.4- 8.9	W-2.4- 6.0	C-3-10 / C-6-10	C-3-8.9 / C-6-8.2	O-Wall	O-Ceiling
Installation height (X)	2.4m max	2.4m max	3m / 6m	3m / 6m	2.4m	3m
EN54-23 Coverage (Y)	Cube YY = 8.9m	Cube YY = 6.0m	Cylinder Ø=10m	Cylinder Ø = 8.9m & 8.2m	-	-
EN54-23 Coverage volume	190m ³	86m ³	236m ³ / 471m ³	187m ³ / 317m ³	0.96m ³	1.93m ³
Flash rate	0.5 Hz	0.5 Hz	0.5 Hz	0.5 Hz	0.5 Hz	0.5 Hz
Operating voltage range	12 to 29 V	12 to 29 V	12 to 29 V	12 to 29 V	24 to 29 V	24 to 29 V
Synchronisation	Synchronisation – Automatically on power on, meets EN54-3 and exceeds EN54-23 standard					

Out of Box Contents

ENscape Sounder Beacon	Standard Device	First Fix Option	Deep / IP 65 Option	Deep / IP 65 & First Fix Option
Sounder beacon including selected base	✓	✓	✓	✓
P pack (includes terminal block & continuity link)	✗	✓	✗	✓
O Ring for IP65 Sealing	✗	✗	✓	✓
Installation data sheet	✓	✓	✓	✓

Accessories

Low Profile Bases
CSR – Red low profile base, pack of 5
CSW – White low profile base, pack of 5
Deep Bases
CWR – Red deep / IP 65, pack of 5
CWW – White deep / IP 65 base, pack of 5
IP and Earthing Kits
PS 189 – Deep base gasket, pack of 5
PS 188 – Deep base O Ring, pack of 5
SC076 – Earth strap, pack of 5

Ordering Information

Code	Description	Body Colour	Flash Colour	Base Option	Install Option	Lens Colour	Example Part No.
CWSS	Wall mount sounder beacon - EN54-23 C&W Category	R=Red	R=Red	S=Low Profile	5=Standard Fix	(all lenses-Clear)	CWSS-RR-S5
		W=White	W=White	W=IP65/Deep	6=First Fix		CWSS-WW-W6
CWSS	Wall mount sounder beacon - EN54-23 Open Category	R=Red	R=Red	S=Low Profile	3=Standard Fix	(all lenses-Clear)	CWSS-RR-S3
		W=White		W=IP65/Deep	4=First Fix		CWSS-WR-W4

> Learn More:

For further information, please scan the QR code to access the Document Center on KAC Website.



KAC