

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 quality, reliability and extended operational life.



ENscape Sounder Beacon 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 a 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.

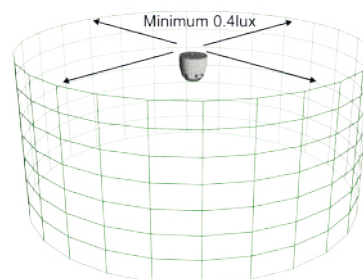
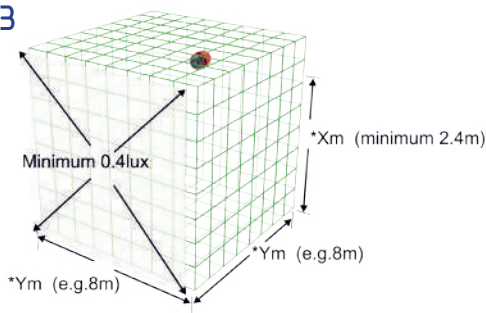
Quality & Reliability

- Independently approved to all required standards:
 - Manufacturing: Constructive 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	Environmental Compliance
	EN54-23	EN54-3	Red	White	Red	White	Standard Device	First Fix	Clear	
ENscape Sounder Beacon	W & C Category	✓	✓	✓	✓	✓	✓	✓	✓	RoHS/WEEE
ENscape Sounder Beacon	O Category	✓	✓	✓	✓	✗	✓	✓	✓	RoHS/WEEE

Sounder Beacons – Technical Specification

Electrical Specification

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

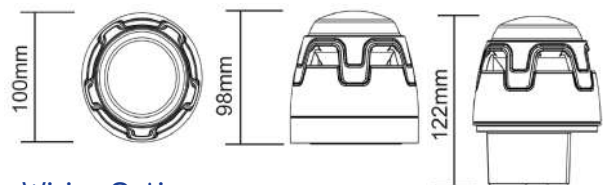
Mechanical Specification

Body Colour:	Red / White
Sound Output, Maximum:	107db(A) @1m (Tone 23)
Number of Tones:	32 includes a bell tone. Full tone table available on website & installation manual
Volume Setting:	High or medium
Cable Termination 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)
(deep / IP65)	255g (W Category), 242g (O Category)
First Fix option:	
(low profile)	258g (W Category), 246g (O Category)
(deep / IP65)	265g (W Category), 252g (O Category)

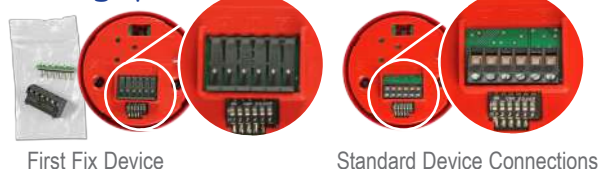
Environmental Specification

Operating Temperature:	-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 www.kac.co.uk

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	✓	✓	✓	✓
 pack (includes terminal block & continuity link)	✗	✓	✗	✓
 O Ring for IP65 Sealing	✗	✗	✓	✓
 Installation data sheet	✓	✓	✓	✓

Accessories:

Low Profile Bases	Deep Bases	IP and Earthing Kits	Electrical Items
CSR – Red low profile base, pack of 5	CWR – Red deep / IP 65, pack of 5	PS 189 – Deep base gasket, pack of 5	SCO77- Terminal block, pack of 5
CSW – White low profile base, pack of 5	CWW – White deep / IP 65 base, pack of 5	PS 188 - Deep base O Ring, pack of 5	SCO78- Installer link, pack of 5
		SC076 - Earth strap, pack of 5	

Order Information:

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



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