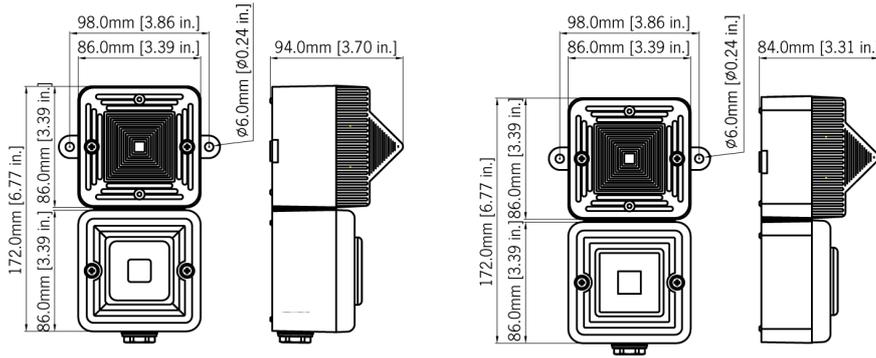## Features

- Automatic synchronisation on multi-sounder system.
- High output Xenon beacon
- DC voltage units feature multiple flash rates.
- Continuously rated.
- Stainless steel fixings.
- Mounting via internal BESA compatible fixing positions or via external mounting lugs.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.

Approvals

- VdS approved: EN54-3 & EN54-23 (CPR 305/2011/EU).
- GOST-R approved. Cert: POCC GB-JB05-H00144.

Specification

Sounder:

Maximum output:	105dB(A) @ 1 metre [96dB(A) @ 10ft/3m]
Nominal output:	103dB(A) @ 1m +/- 3dB – Tone 1 [94dB(A) @ 10ft/3m]
No. of tones:	10 (UKOOA / PFEER compliant)
No. of stages:	2
Effective range:	32m/105ft @ 1KHz

Beacon:

Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd – calculated from energy (J)
Effective Intensity:	250 cd – calculated from energy (J)
Peak Candela:	86,935 cd* – measured ref. to I.E.S.
Effective Intensity:	200 cd* – measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Tube life:	Emissions are reduced to 70% after 5 million flashes

General:

Voltages DC:	12Vdc; 24V dc
Ingress protection:	IP66
Housing material:	High impact UL94 V0 & 5VA FR ABS
Colour:	Red (RAL3000), grey (RAL7038) & white.
Lens material:	PC
Cable entries:	4 x M20 clearance gland knockouts in side & back
Terminals:	0.5 to 1.5mm² cables.
Operating temp:	-25 to +55°C [-13° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	0.50kg/1.1lbs

*SPL data +/-3dB(A). Measured at optimum voltage.

*Candela measurements representative of performance with clear lens at optimum voltage.

Part Codes

Version:	Part code:
12V dc	SONFL1XDC012[x]/[y]-H
24V dc	SONFL1XDC024[x]/[y]-H
[x] = Enclosure colour:	G: Grey (RAL7038) R: Red (RAL3000) W: White
y] = Lens colour:	A: Amber B: Blue C: Clear G: Green M: Magenta R: Red Y: Yellow

CPR – EN54-3 & EN54-23:

Part code:	SONFL1XDC024[x]/C-H
Environmental class:	Type B – for outdoor use
Visual range:	Category W-2.4-4.8
Signal colour:	Clear (1Hz)

Alarm Sounder

Version:	Voltage:	Current:
12V dc	10-18V dc	50mA
24V dc	18-30V dc	80mA

Xenon Beacon

Version:	Voltage:	Current:
12V dc	10-14V dc	500mA
24V dc	20-28V dc	250mA

Tone table

S 1	Description		S 2
T 1	800/1000Hz @ 0.25 sec Alternating		T 8
T 2	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop		T 1
T 3	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.		T 8
T 4	544Hz (100mS)/440Hz (400mS) - NF S 32-001		T 9
T 5	Bell		T 1
T 6	800/1000Hz @ 7Hz Sweeping		T 8
T 7	500-1200Hz 3.75sec /0.25sec. Australian Evac.		T 10
T 8	\2.1000Hz Continuous - PFEER Toxic Gas		
T 9	\2.Continuous 554Hz		