

# SONFL1X Alarm Sounder & Xenon Beacon

The SONFL1X features the 100dB(A) SONF1 alarm sounder combined with the L101X Xenon beacon. The compact, robust housing is ideal for all general signalling applications including fire, security and process control.

The 5 Joule Xenon strobe generates over 200 candela of light output. DC versions have multile flash rates selectable during installation. Sounder & beacon may be connected from a single supply for simultaneous operation or from separate supplies for independent operation.

## Alarm sounder:

Version:	Voltage:	Current :
12V dc	10-30V dc	25mA*
24V dc	10-30V dc	25mA*
24V ac	50/60Hz	+/-10% 40mA
115V ac	50/60Hz	+/-10% 13mA
230V ac	50/60Hz	+/-10% 13mA

\* current at nominal voltage on Tone 2

## Xenon Beacon:

Version:	Voltage:	Current:
12V dc	10-14V dc	500mA
24V dc	20-28V dc	250mA
24V ac	50/60Hz	+/-10% 300mA
115V ac	50/60Hz	+/-10% 70mA
230V ac	50/60Hz	+/-10% 35mA

## Tone table:

Stage 1	Frequency Description.	Stage 2
Tone 1	800/1000Hz @ 0.25 sec Alternating	Tone 8
Tone 2	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	Tone 1
Tone 3	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	Tone 8
Tone 4	544Hz (100mS)/440Hz (400mS) - NF S 32-001	Tone 9
Tone 5	Bell	Tone 1
Tone 6	800/1000Hz @ 7Hz Sweeping	Tone 8
Tone 7	500-1200Hz 3.75sec /0.25sec. Australian Evac.	Tone 10
Tone 8	1000Hz Continuous - PFEER Toxic Gas	
Tone 9	Continuous 554Hz	
Tone 10	420Hz @ 0.625 sec Australian Alert	

Where applicable following tones are available on AC voltage versions:

Stage 1	Frequency Description.
Tone 1	800/1000Hz @ 0.25 sec Alternating
Tone 2	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop
Tone 3	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.
Tone 4	544Hz (100mS)/440Hz (400mS) - NF S 32-001
Tone 5	1000Hz Continuous - PFEER Toxic Gas
Tone 6	Bell
Tone 7	800/1000Hz @ 7Hz Sweeping
Tone 8	2400/2900Hz @ 50Hz Sweeping
Tone 9	420Hz @ 0.625 sec Australian Alert
Tone 10	500-1200Hz 3.75sec /0.25sec. Australian Evac.

Country specific or custom tone configurations and alarm frequencies are available upon request.

## Specification:

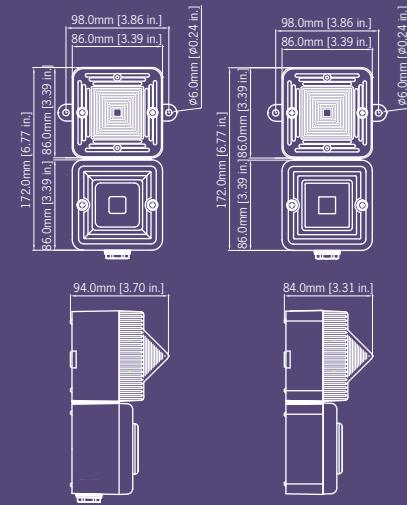
Sounder:	
Maximum output:	100dB(A) @ 1 metre
Nominal output:	99dB(A) @ 1m +/- 3dB - Tone 1
No. of tones:	10 (UKOOA / PFEER compliant)
No. of stages:	2
Volume control:	On board potentiometer
Effective range:	30m @ 1KHz

Beacon:	
Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd - calc. from energy (J)
Effective candela:	250 cd - calc. from energy (J)
Peak Candela:	86,935 cd* - measured ref. to I.E.S.
Effective candela:	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 8 million flashes

General:	
Voltages DC:	12Vdc; 24V dc
Voltages AC:	24V ac; 115V ac; 230V ac
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 1.5mm <sup>2</sup> cables.
Operating temp:	-25 to +55°C
Storage temp:	-40 to +70°C
Relative humidity:	90% at 20°C.
Weight :	0.50kg

\*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]
24V dc	SONFL1XDC024[x]/[y]
24V ac	SONFL1XAC024[x]/[y]
115V ac	SONFL1XAC115[x]/[y]
230V ac	SONFL1XAC230[x]/[y]
[x] = Housing colour:	G: Grey, R: Red, W: White
[y] = Lens colour:	A: Amber, B: Blue. C: Clear, G: Green M: Magenta, R: Red, Y: Yellow

Suffix part number with '-UL' for UL approved version.

## 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:

- SONF1 alarm sounder is VdS approved to EN54-3 (CPD 89/106/EEC).
- L101X xenon beacon is VdS approved to EN54-23:2010 (CPD 89/106/EEC).
- UKOOA/PFEER compliant alarm tones.
- UL approved version available.
- GOST-R approved. Cert: POCC GB-JB05-H00144