

SONFL1H Alarm Sounder & LED Beacon

The SONFL1H features the 100dB(A) SONF1 alarm sounder combined with the L101H high output L.E.D. beacon. The compact, robust housing is ideal for all general signalling applications including fire, security and process control.

The array of 24 Superflux type high output L.E.D's generates over 120 candela of light output and can be user set to either steady or flashing mode. Sounder & beacon may be connected from a single supply for simultaneous operation or from separate supplies for independent operation.

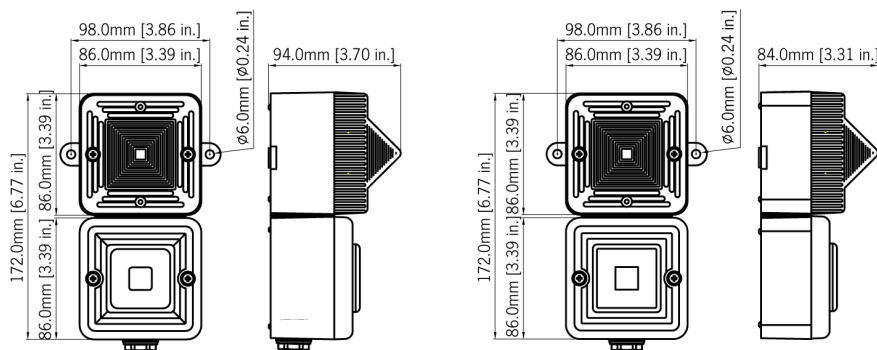
Features

- High output L.E.D array
- Automatic synchronisation on multi-sounder system.
- 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 sounder: VdS approved to EN54-3 (CPD 89/106/EEC).
- GOST-R approved. Cert: POCC GB-JB05-H00144.
- UL & cULus approved: General signalling use.





Specification

Sounder:

Maximum output:	100dB(A) @ 1 metre [91dB(A) @ 10ft/3m]
Nominal output:	99dB(A) @ 1m +/- 3dB - Tone 1 [90dB(A) @ 10ft/3m]
No. of tones:	10 (UK00A / PFEER compliant)
No. of stages:	2
Volume control:	On board potentiometer
Effective range:	30m/99ft @ 1KHz

Beacon:

Light source:	High intensity L.E.D. array. 24 x Superflux type high output L.E.D's
Options:	Steady or 2Hz flash mode (on board selection)
Peak/Effective Intensity cd:	Green L.E.D: 176cd - measured ref. to I.E.S.
Terminals:	0.5 to 4.0mm ² cables
L.E.D. colours:	Amber Blue, Green, Red and White
Lens colour:	All L.E.D. colours use a Clear lens to maximise output and to ensure the signal is most effective in high ambient light.

General:

Voltages DC:	12Vdc; 24V dc
Voltages 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 ² 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:

24V dc	SONFL1HDC024[x]/[y]
115V ac	SONFL1HAC115[x]/[y]
230V ac	SONFL1HAC230[x]/[y]

[x] = Enclosure colour:
G: Grey (RAL7038)
R: Red (RAL3000)
W: White

[y] = Light colour:
A: Amber
B: Blue
W: Clear (White)
G: Green
R: Red

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

Alarm Sounder

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

* current at nominal voltage on Tone 2

L.E.D. Beacon

Version:	Voltage:	Current:
24V dc	10-30V dc	155mA (@ 24V dc)
115/230V ac 50/60Hz	90-260V ac/dc	35mA (@230V ac)

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	
T 10	\2.420Hz @ 0.625 sec Australian Alert	
\4.AC Version (Single stage only):		
S1	\2.Description	
T 1	\2.800/1000Hz @ 0.25 sec Alternating	
T 2	\2.500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	
T 3	\2.1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	
T 4	\2.544Hz (100mS)/440Hz (400mS) - NF S 32-001	
T 5	\2.1000Hz Continuous - PFEER Toxic Gas	
T 6	\2.Bell	
T 7	\2.800/1000Hz @ 7Hz Sweeping	
T 8	\2.2400/2900Hz @ 50Hz Sweeping	
T 9	\2.420Hz @ 0.625 sec Australian Alert	
T 10	\2.500-1200Hz 3.75sec /0.25sec. Australian Evac.	