

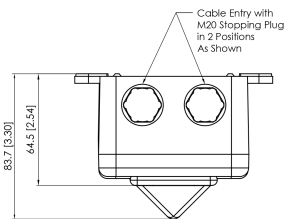
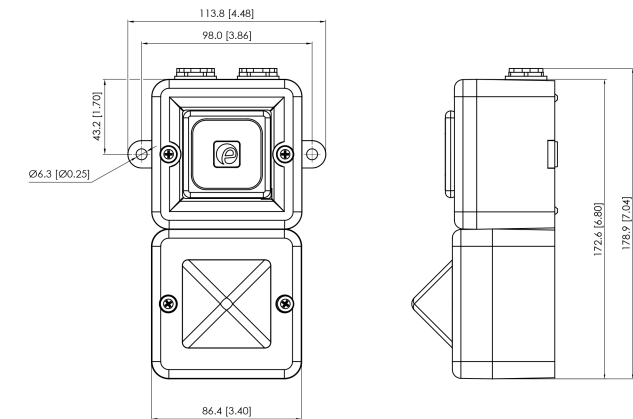
Features

- Automatic synchronisation
- Continuously rated
- Back box options with and without mounting lugs
- Dual M20, 1/2"NPT clearance cable entries option
- Duplicate cable terminations
- Ingress protection IP66 Type 3R/13
- 7 user selectable flash rates plus steady mode
- 10 alarm tone frequencies
- Available with custom tone configurations and frequencies
- Diode polarized for use in supervised circuits

Approvals

- EAC: RU D-GB.GA05.B.12595-20
- RMRS: No. 19.00193.278
- CE, UKCA





Specification

Alarm Horn:

Maximum output: 105dB(A) @ 1 m $\pm$ 3dB
[94dB(A) @ 10ft/3m $\pm$ 3dB]

Nominal output: 101dB(A) @ 1 m $\pm$ 3dB
[92dB(A) @ 10ft/3m] $\pm$ 3dB

No. of tones: 10 (UK00A / PFEER compliant)

No. of stages: 2

Effective range: 47m/155ft @ 1KHz

Voltages DC: 12Vdc, 24V dc

Stage switching: Negative (common positive)

L.E.D Beacon:

Light source: High intensity L.E.D. array.
18 x Cree© SMT White LED

High Power Steady: 180 cd – measured ref. to I.E.S.

1Hz Flash cd: 113 cd – measured ref. to I.E.S.

LED life: 60,000 hours

Settings:

1. High Power Steady
2. Blinking – 425ms ON 75ms OFF
3. 1.0Hz (60 fpm) – 200ms ON 800ms OFF
4. 1.33Hz (80fpm) – 150ms ON 600ms OFF
5. Double Flash
6. Triple Flash
7. 2.0Hz (120fpm) – 125ms ON 375ms OFF
8. Temporal Pattern Flash

General:

Ingress protection: IP66 Type 3R/13

Enclosure: High impact UL94 V0 & 5VA FR ABS

Lens colour filter: Field replaceable UV stable PC

Terminals (alarm horn): 0.5 – 1.5mm² (22-16 AWG)

Terminals (beacon): 0.5 – 2.5mm² (20-14 AWG)

Line monitoring: Diode polarized for use in supervised circuits

Operating: -40 to +55°C [-40° to +131°F]

Storage: -40 to +70°C [-40° to +158°F]

Relative humidity: 90% at 20°C [68°F]

MTBF: 93.92 years / 822,706 hours – MIL 217

Weight: 0.30kg / 0.66lbs

Part Codes

Variable: Identifier: Description:

Product type:	SONFL1H	Combined alarm horn sounder & LED beacon
Voltage:	DC012 DC024	12Vdc (10-14Vdc) 24Vdc (20-28Vdc)
Back box/cable entries: [e]	M	Back box with mounting lugs – 2 x M20, 1/2"NPT clearance
Stopping plug material: [m]	A	ABS
Equip. tag/Duty label: [s]	0 1 2	No equip. tag or Duty label 316 (A4) St/St Equip. tag/Duty label Metalised Polyester Equip. tag/Duty label
Product version: [v]	A	RMRS, EAC, CE, UKCA
Product option: [o]	1 X Z	Standard product Custom configuration – contact E2S Custom alarm tone software – contact E2S
Enclosure: [x]	R G W	Red (RAL 3000) Grey (RAL 7038) White
Lens colour: [y]	A-H B-H C-H G-H M-H R-H Y-H	Amber Blue Clear Green Magenta Red Yellow

Current Consumption

Product Version:	Nominal Voltage:	Voltage Range:	Beacon Current:	Horn Current:
DC012	12Vdc	10-14Vdc	79.5mA	50mA
DC024	24Vdc	20-28Vdc	87mA	80mA

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	