

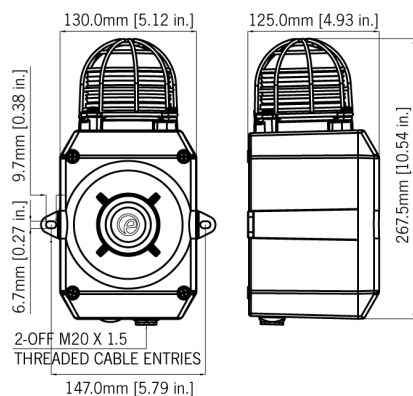
Features

- High output, up to 119dB(A) SPL.
- 3 remotely selectable alarm stages.
- Choice of 45 alarm tone frequencies.
- Automatic synchronisation on multi-sounder system.
- High intensity 120 candela L.E.D. array .
- Continuously rated.
- Stainless steel fixings.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.
- Stage Programmable 4 stage/channel version available:
 - 45 alarm tones
 - 4 remotely selectable stages
 - Any tone can be assigned to any stage
 - User configurable continuous frequency tone

Approvals

- UL & cULs approved: General signalling use.





Specification

Sounder:	
Maximum output:	119dB(A) @ 1 metre [110dB(A) @ 10ft/3m]
Nominal output:	112dB(A) @ 1m +/- 3dB - Tone 2 [103dB(A) @ 10ft/3m]
No. of tones:	45 (UKOOA / PFEER compliant)
No. of stages:	3
Volume control:	Max. 112dB(A); Min. 100dB(A) - Tone 2
Effective range:	125m /410ft@ 1KHz
Stage switching:	Negative Reverse polarity stage switching on DC units.
Beacon:	
Light source:	High intensity L.E.D. array 24 x Superflux type high output L.E.D's
Flash options:	Steady or 2Hz flash mode (on board select)
Peak/Effective Intensity cd:	Green L.E.D: 176cd - measured ref. to I.E.S.
L.E.D. colours:	Amber, Blue, White, Green & Red
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 levels.
General:	
Voltages DC:	24V dc (12-30V dc); 48V dc (35-60V dc) [24V dc units can use 24V ac for single stage applications].
Voltages AC:	115V ac; 230V ac
Ingress protection:	IP66, Type 4 / 4X / 3R
Enclosure material:	Marine grade aluminium A1 Si 12 Cu
Enclosure colour:	Red (RAL3000), Grey (RAL7038)
Cable entries:	2 x M20 x 1.5mm threaded gland entries supplied with one stopping plug
Terminals:	0.5 to 4.0mm 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:	DC: 2.80kg/6.16lbs AC:3.10kg/6.82lbs

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

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

Part Codes

Version:	Part code:
24V dc	DL112HDC024[x]/[y]
48V dc	DL112HDC048[x]/[y]
115V ac	DL112HAC115[x]/[y]
230V ac	DL112HAC230[x]/[y]
[x] = Enclosure colour:	G: Grey R: Red
[y] - L.E.D. colour:	A: Amber, B: Blue, W: White, G: Green, R: Red

Suffix part number with 'P' for stage programmable, 4 stage, 45 tone version (not available with UL approval).

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

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 levels.

Alarm Sounder

Version:	Voltage:	Current:
24V dc	12-30V dc	200mA*
48V dc	35-60V dc	120mA*
115V ac	50/60Hz +/-10%	100mA
230V ac	50/60Hz +/-10%	60mA

* current at nominal voltage on Tone 2

L.E.D. Beacon

Version:	Voltage:	Current:
24V dc	12-30V dc	157mA
48V dc	35-60V dc	55mA
115V ac	50/60Hz +/-10%	60mA
230V ac	50/60Hz +/-10%	35mA

Tone table

S 1	Description	S 2	S 3
T 1	340 Hz Continuous	T 2	T 5
T 2	800/1000Hz @ 0.25 sec Alternating	T 17	T 5
T 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	T 2	T 5
T 4	800/1000Hz @ 1Hz Sweeping	T 6	T 5
T 5	2400Hz Continuous	T 3	T 20
T 6	2400/2900Hz @ 7Hz Sweeping	T 7	T 5
T 7	2400/2900Hz @ 1Hz Sweeping	T 10	T 5
T 8	500/1200/500Hz @ 0.3Hz Sweeping	T 2	T 5
T 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	T 15	T 2
T 10	2400/2900Hz @ 2Hz Alternating	T 7	T 5
T 11	1000Hz @ 1Hz Intermittent	T 2	T 5
T 12	800/1000Hz @ 0.875Hz Alternating	T 4	T 5
T 13	2400Hz @ 1Hz Intermittent	T 15	T 5
T 14	800Hz 0.25sec on, 1 sec off Intermittent	T 4	T 5
T 15	800Hz Continuous	T 2	T 5
T 16	660Hz 150mS on, 150mS off Intermittent	T 18	T 5
T 17	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 2	T 27
T 18	660Hz 1.8sec on, 1.8sec off Intermittent	T 2	T 5
T 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48-265	T 2	T 5
T 20	660Hz Continuous	T 2	T 5
T 21	554Hz/440Hz @ 1Hz Alternating	T 2	T 5
T 22	544Hz @ 0.875 sec. Intermittent	T 2	T 5
T 23	800Hz @ 2Hz Intermittent	T 6	T 5
T 24	800/1000Hz @ 50Hz Sweeping	T 29	T 5
T 25	2400/2900Hz @ 50Hz Sweeping	T 29	T 5
T 26	Bell	T 2	T 15
T 27	554Hz Continuous	T 26	T 5
T 28	440Hz Continuous	T 2	T 5
T 29	800/1000Hz @ 7Hz Sweeping	T 7	T 5
T 30	300Hz Continuous	T 2	T 5
T 31	660/1200Hz @ 1Hz Sweeping	T 26	T 5
T 32	Two T chime.	T 26	T 15

S 1	Description	S 2	S 3
T 33	745Hz @ 1Hz Intermittent	T 2	T 5
T 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	T 38	T 45
T 35	420Hz @ 0.625 sec Australian Alert	T 36	T 5
T 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.	T 35	T 5
T 37	1000Hz Continuous - PFEER Toxic Gas	T 9	T 45
T 38	2000Hz Continuous	T 34	T 45
T 39	800Hz 0.25sec on, 1 sec off Intermittent	T 23	T 17
T 40	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 31	T 27
T 41	Motor Siren - slow rise to 1200 Hz	T 2	T 5
T 42	Motor Siren - slow rise to 800 Hz	T 2	T 5
T 43	1200 Hz Continuous	T 2	T 5
T 44	Motor Siren - slow rise to 2400 Hz	T 2	T 5
T 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. ...	T 38	T 34