

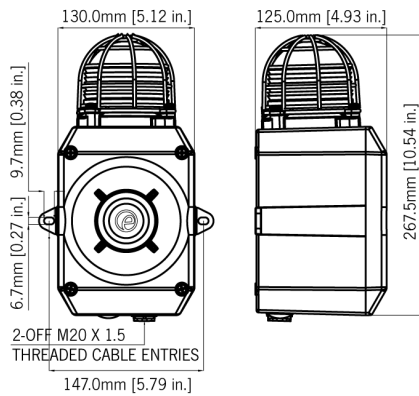
Features

- High output, up to 112dB(A) SPL.
- 3 remotely selectable alarm stages.
- Choice of 32 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

Coding

- UL & cULs approved: General signalling use.





Specification

Sounder:	
Maximum output:	112dB(A) @ 1 metre [103dB(A) @ 10ft/3m]
Nominal output:	105dB(A) @ 1m +/- 3dB – Tone 2 [96dB(A) @ 10ft/3m]
No. of tones:	32 (UK00A / PFEER compliant)
No. of stages:	3
Volume control:	Max. 105dB(A); Min. 96dB(A) – Tone 2
Effective range:	60m/197ft @ 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) [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 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:	DC: 2.10kg/4.62lbs AC:2.35kg/5.17lbs

Part Codes

Version:	Part code:
24V dc	DL105HDC024[x]/[y]
48V dc	DL105HDC048[x]/[y]
115V ac	DL105HAC115[x]/[y]
230V ac	DL105HAC230[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.	
Note: 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	25mA*
48V dc	35-60V dc	50mA*
115V ac	50/60Hz +/-10%	20mA
230V ac	50/60Hz +/-10%	15mA
* 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