

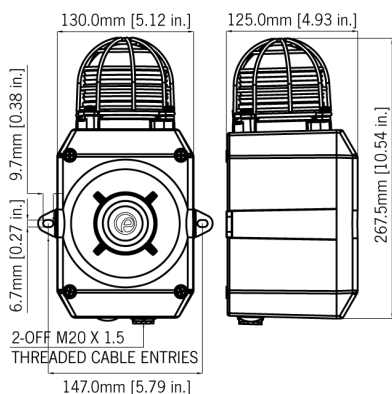
Features

- High output, up to 112dB(A) SPL.
- 3 remotely selectable alarm stages.
- Choice of 32 alarm tone frequencies.
- Automatic synchronisation on multi-sounder system.
- 5 Joule, 200 candela Xenon beacon.
- 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:	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:

Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd - calculated from energy (J)
Effective Intensity cd:	250 cd - calculated from energy (J)
Peak Candela:	86,935 cd* - measured ref. to I.E.S.
Effective Intensity cd:	200 cd* - measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Red & Yellow
Tube life:	Emissions are reduced to 70% after 5 million flashes

General:

Voltages DC:	12V dc; 24V dc; 48V dc [DC units can use 24V ac for single stage applications.]
Voltages AC:	24V 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 1.5mm 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:	DC: 2.10kg/4.62lbs AC:2.35kg/5.17lbs

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

Part Codes

Version:	Part code:
12V dc	DL105XDC024[x]/[y]
24V dc	DL105XDC024[x]/[y]
48V dc	DL105XDC048[x]/[y]
24V ac	DL105XAC024[x]/[y]
115V ac	DL105XAC115[x]/[y]
230V ac	DL105XAC230[x]/[y]

[x] = Enclosure colour: G: Grey R: Red

[y] - Lens colour: A: Amber, B: Blue, C: Clear, G: Green, R: Red, Y: Yellow

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.

Alarm Sounder

Version:	Voltage:	Current:
12V dc	10-30V dc	25mA*
24V dc	10-30V dc	25mA*
48V dc	35-60V dc	50mA*
24V ac	50/60Hz +/-10%	40mA
115V ac	50/60Hz +/-10%	20mA
230V ac	50/60Hz +/-10%	15mA

* current at nominal voltage on Tone

Xenon Beacon

Version:	Voltage:	Current:
12V dc	10-14V dc	380mA
24V dc	20-28V dc	250mA
48V dc	42-54V dc	175mA
24V ac	50/60Hz +/-10%	300mA
115V ac	50/60Hz +/-10%	70mA
230V ac	50/60Hz +/-10%	35mA

Tone table

S 1 Description

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