

DL105X Alarm Sounder & Xenon Beacon

The DL105X is a high output, 112dB(A) alarm sounder with integrated Xenon beacon. Low current consumption and high SPL in a robust IP66 housing ensure the DL105X is suitable for all general signalling applications including fire, security and process control. The corrosion proof, marine grade aluminium die cast enclosure is phosphated and powder coated providing resilience in the harshest of industrial environments.

Tone table:

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

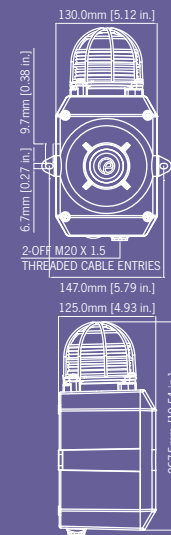
Country specific or custom tone configurations and alarm frequencies are available upon request.

Maahantuonti ja myynti:
Autrosafe Oy
puh. (09) 270 90 120
www.autrosafe.fi

Specification:

Sounder:	
Maximum output:	112dB(A) @ 1 metre
Nominal output:	105dB(A) @ 1m +/- 3dB - Tone 2
No. of tones:	32 (UKOOA / PFEER compliant)
No. of stages:	3
Volume control:	Max. 105dB(A); Min. 96dB(A) - Tone 2
Effective range:	60m @ 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 - calc. from energy (J)
Effective candela:	250 cd - calc. from energy (J)
Peak Candela:	86,935 cd* - measured ref. to I.E.S.
Effective candela:	200 cd* - measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Red & Yellow
Tube life:	Emissions are reduced to 70% after 8 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
Housing material:	Marine grade aluminium A1 Si12 Cu
Colour:	Red (RAL3000), grey (RAL7038)
Cable entries:	2 x M20 x 1.5mm threaded gland entries supplied with one stoppoing plug
Terminals:	0.5 to 1.5mm ² cables.
Operating temp:	-25 to +55°C
Storage temp:	-40 to +70°C
Relative humidity:	90% at 20°C.
Weight :	DC: 2.10kg AC:2.35kg

*Candela measurements representative of performance with clear lens at optimum voltage.
*SPL data +/-3dB(A). Measured at optimum voltage.



Part codes:

Version:	Part code:
12V dc	DL105XD0C24[x]/[y]
24V dc	DL105XD0C24[x]/[y]
48V dc	DL105XD0C48[x]/[y]
24V ac	DL105XAC024[x]/[y]
115V ac	DL105XAC115[x]/[y]
230V ac	DL105XAC230[x]/[y]
[x] = Housing 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 programmable, 4 stage, 45 tone version.
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

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.
- 'Programmable' version available:
 - 45 alarm tones
 - 4 remotely selectable stages
 - Any tone can be assigned to any stage
 - User configurable continuous frequency tone

Approvals:

- UKOOA/PFEER compliant alarm tones.
- UL approved version available.