

A

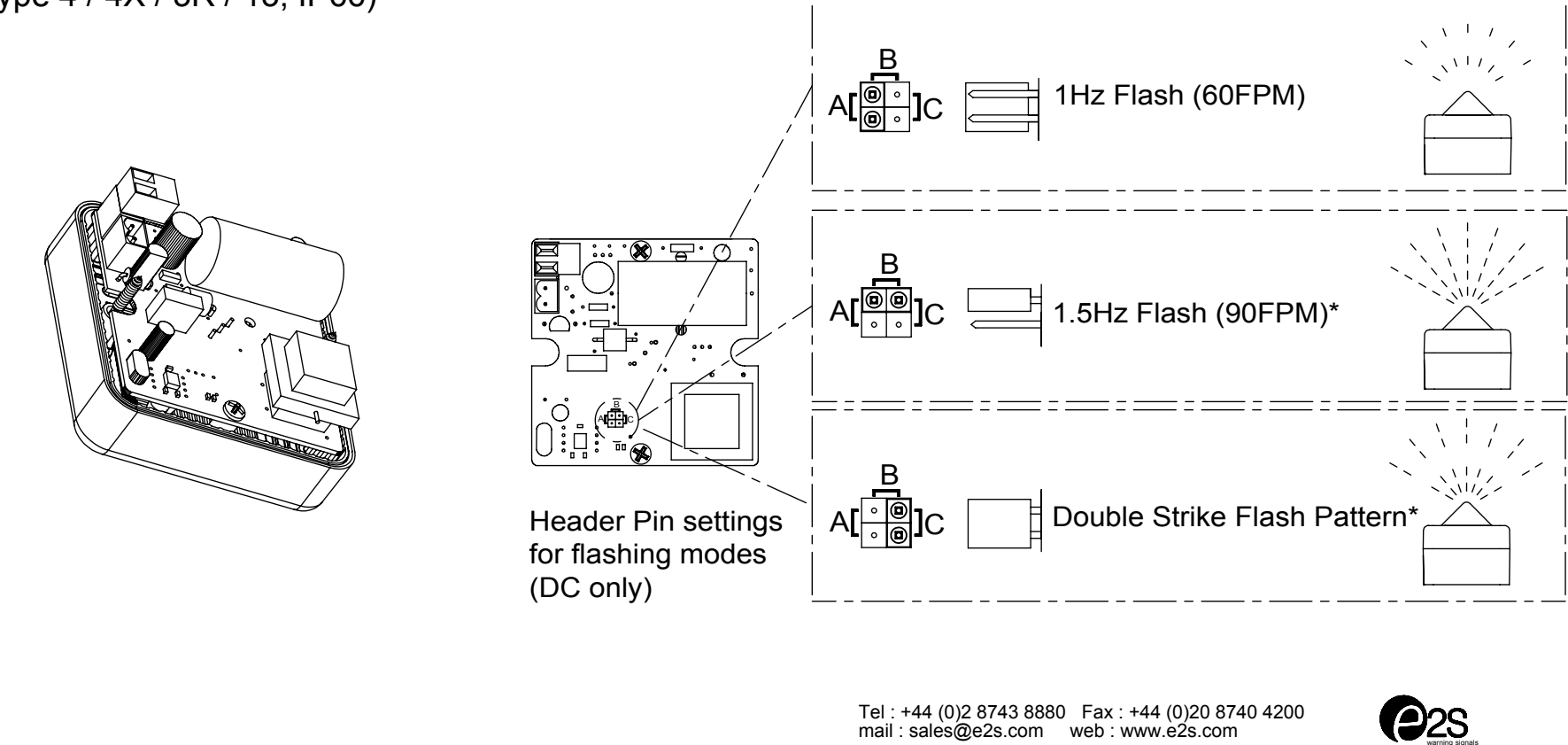
AlertAlight

AL121X Combined Sounder Xenon Beacon
45 Selectable Tones & 3 Stages
5J Xenon Flash Tube
Three Modes: Flashing 1Hz (AC & DC Units),
Flashing 1.5Hz (DC Units Only),
Double Strike (DC Units Only).
Note: Only 1Hz Flashing mode is CPR/VdS approved.
Only 24V dc & 48V dc versions are CPR/VdS approved
CE
IP Rating: IP66

Order code	Voltage Range	Nominal Voltage	Sounder Current	Beacon Current
AL121XDC012[X]/[Y]-F	10-14 V dc	12 V dc	950mA	500mA
AL121XDC024[X]/[Y]-F	20-28V dc	24 V dc	950mA	250mA
AL121XDC048[X]/[Y]-F	42-54V dc	48 V dc	600mA	175mA
AL121XAC024[X]/[Y]-F	24 ±10% V ac	24 V ac	1000mA	300mA
AL121XAC115[X]/[Y]-F	115 ±10% V ac	115 V ac	240mA	70mA
AL121XAC230[X]/[Y]-F	230 ±10% V ac	230 V ac	120mA	35mA

[X] Denotes Body Colour,
[Y] Denotes Lens Colour: Note CPR Approved units
only available in or C = Clear

Add '-UL' Suffix for UL Approved Units
(Type 4 / 4X / 3R / 13, IP66)



B

- ATTENTION:** Installation must be carried out by an electrician in compliance with the latest codes and regulations.
- ATTENTION:** Disconnect from power source before installation or service to prevent electric shock.
- ATTENTION:** On strobe beacons allow a minimum of 2 minutes for hazardous high voltage to discharge from unit.

No liability is accepted for any consequences of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions/weights are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.

C

Table 1 - Tone Selection									
STAGE 1	FREQUENCY DESCRIPTION		Switch				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 Sw eeping						Tone 6	Tone 5	
Tone 5	2400Hz Continuous						Tone 3	Tone 20	
Tone 6	2400/2900Hz @ 7Hz Sw eeping						Tone 7	Tone 5	
Tone 7	2400/2900Hz @ 1Hz Sw eeping						Tone 10	Tone 5	
Tone 8	500/1200/500Hz @ 0.3Hz Sw eeping						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 Sw eeping						Tone 29	Tone 5	
Tone 25	2400/2900Hz @ 50Hz Sw eeping						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 Sw eeping						Tone 7	Tone 5	
Tone 30	300Hz Continuous						Tone 2	Tone 5	
Tone 31	660/1200Hz @ 1Hz Sw eeping						Tone 26	Tone 5	
Tone 32	Tw o tone chime.						Tone 26	Tone 15	
Tone 33	745Hz @ 1Hz Intermittent						Tone 2	Tone 5	
Tone 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore						Tone 38	Tone 45	
Tone 35	420Hz @ 0.625 sec A ustralian Alert						Tone 36	Tone 5	
Tone 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.						Tone 35	Tone 5	
Tone 37	1000Hz Continuous - PFEER Toxic Gas						Tone 9	Tone 45	
Tone 38	2000Hz Continuous						Tone 34	Tone 45	
Tone 39	800Hz 0.25sec on, 1 sec off Intermittent						Tone 23	Tone 17	
Tone 40	544Hz (100mS)/440Hz (400mS) - NF S 32-001						Tone 31	Tone 27	
Tone 41	Motor Siren - slow rise to 1200 Hz						Tone 2	Tone 5	
Tone 42	Motor Siren - slow rise to 800 Hz						Tone 2	Tone 5	
Tone 43	1200 Hz Continuous						Tone 2	Tone 5	
Tone 44	Motor Siren - slow rise to 2400 Hz						Tone 2	Tone 5	
Tone 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm						Tone 38	Tone 34	

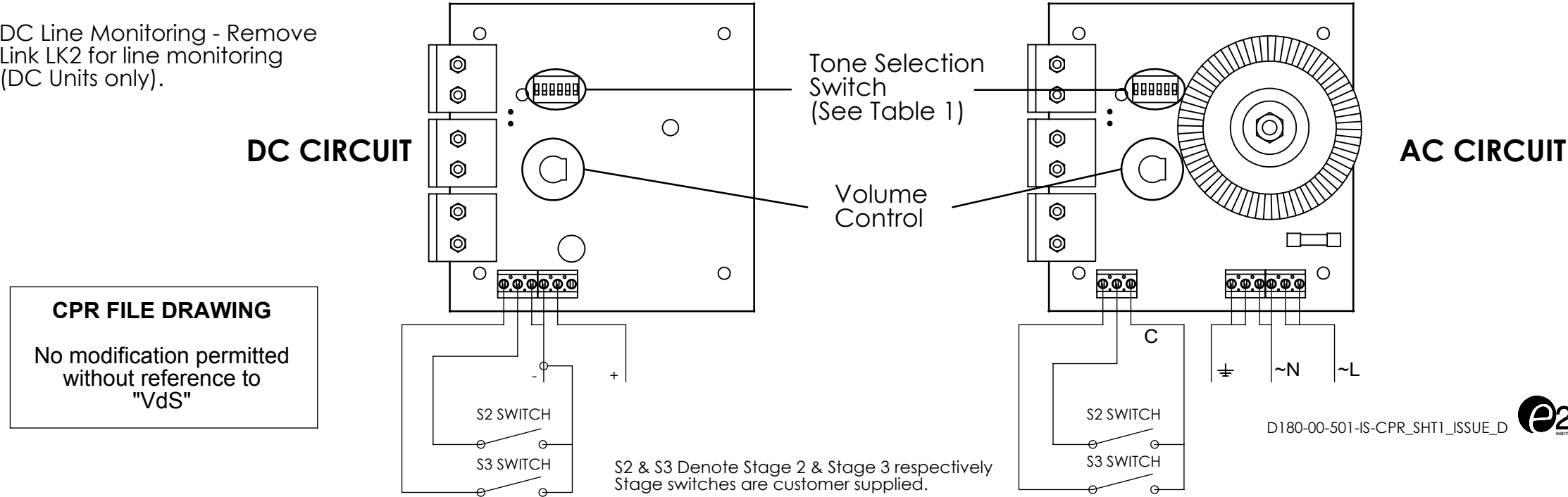
NOTE: Please check factory settings and ensure the correct alarm tone is selected for your country or application

Tone Selection / Switch Setting - Switch settings are shown in the tone selection table. Black squares are the switch levers in the ON positions

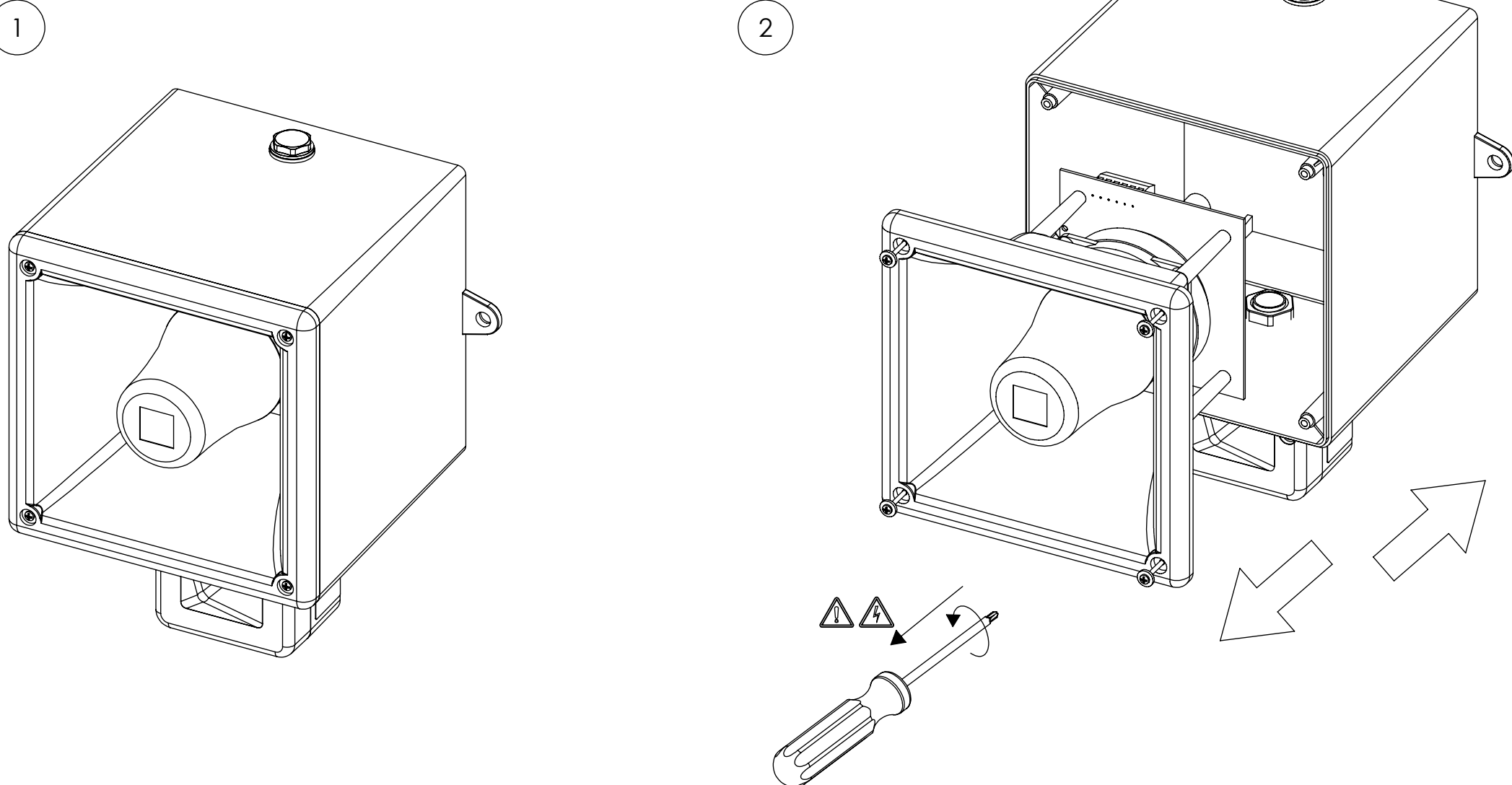
Only tones 2, 3, 9, 15, 16 & 17 have been tested to EN54-3 and are compliant with the Construction Products Regulation 305/2011.

Reverse Polarity Switching - On DC versions the second stage alarm tone can be selected by reversing the polarity of the supply voltage if link LK2 and LK3 are present.

DC Line Monitoring - Remove Link LK2 for line monitoring (DC Units only).



A AlertAlight
AL121X



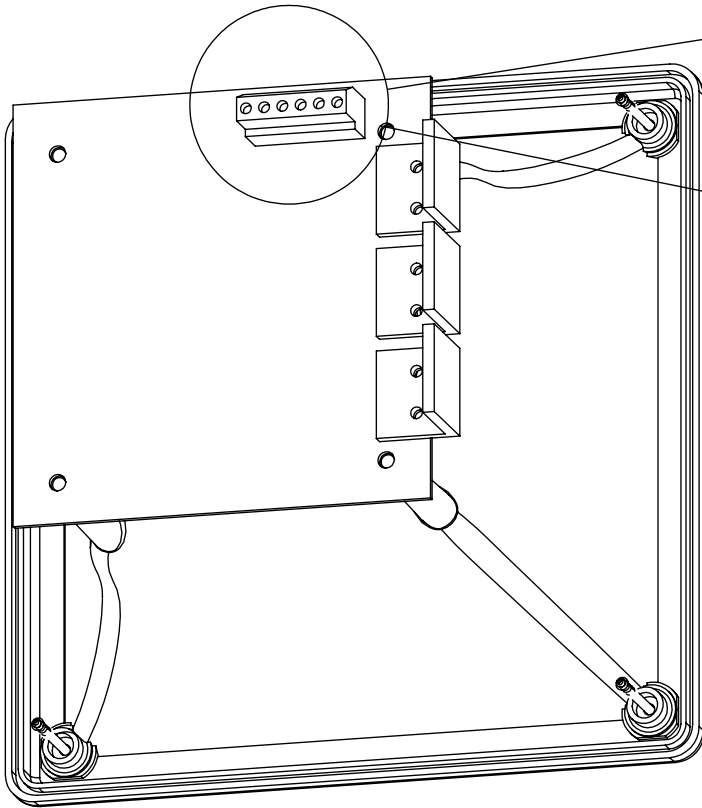
Tel : +44 (0)2 8743 8880 Fax : +44 (0)20 8740 4200
mail : sales@e2s.com web : www.e2s.com



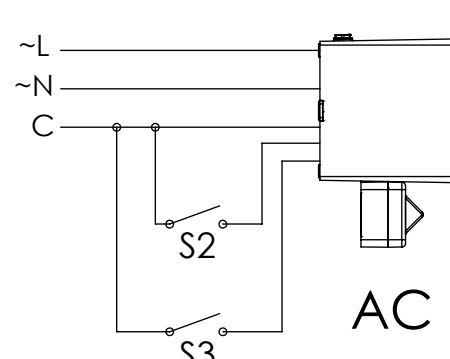
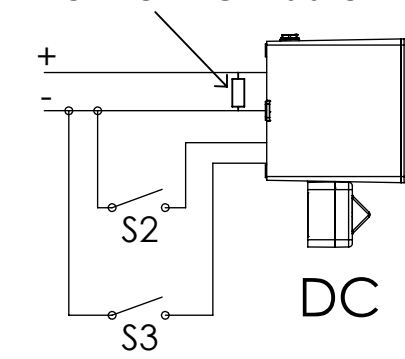
C

TERMINAL BLOCK	A/C INPUT	D/C INPUT
\pm	N~	-
N/-	L~	+
S2	SWITCH TO C	SWITCH TO -
S3	SWITCH TO C	SWITCH TO -

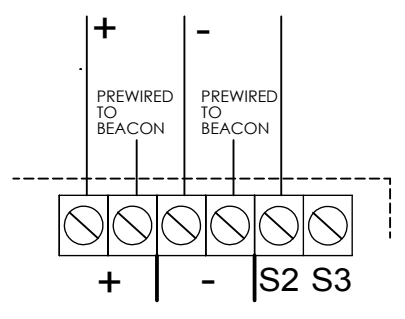
5 CONNECT CABLE AS SHOWN



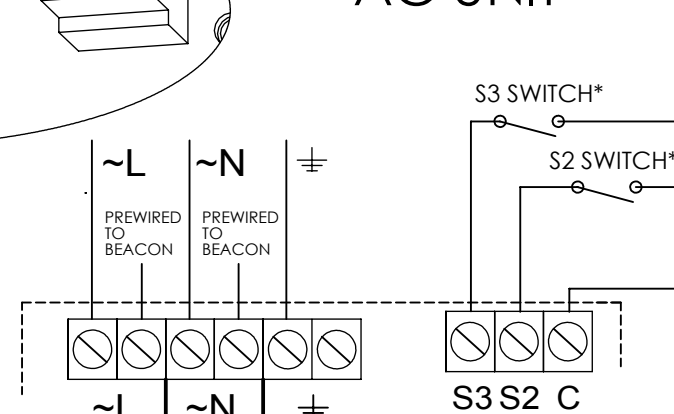
LINE MONITORING RESISTOR



DC UNIT



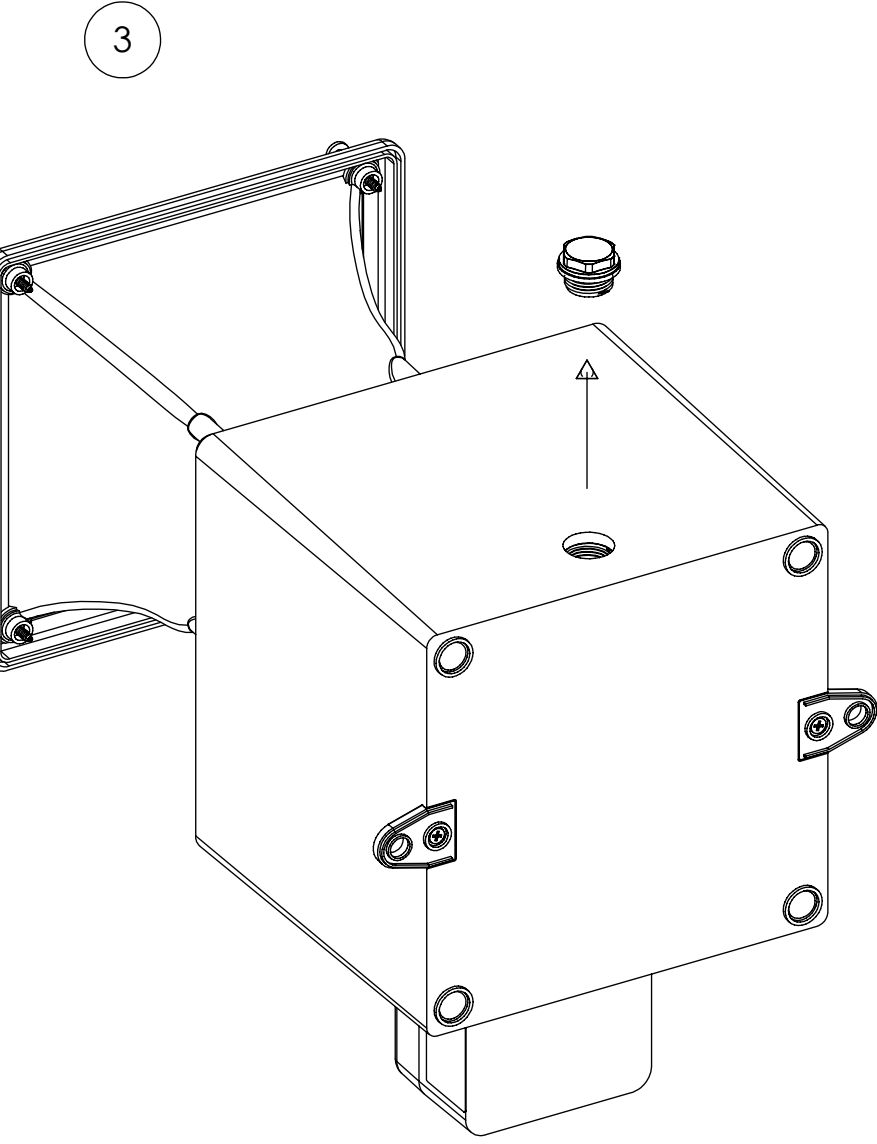
AC UNIT



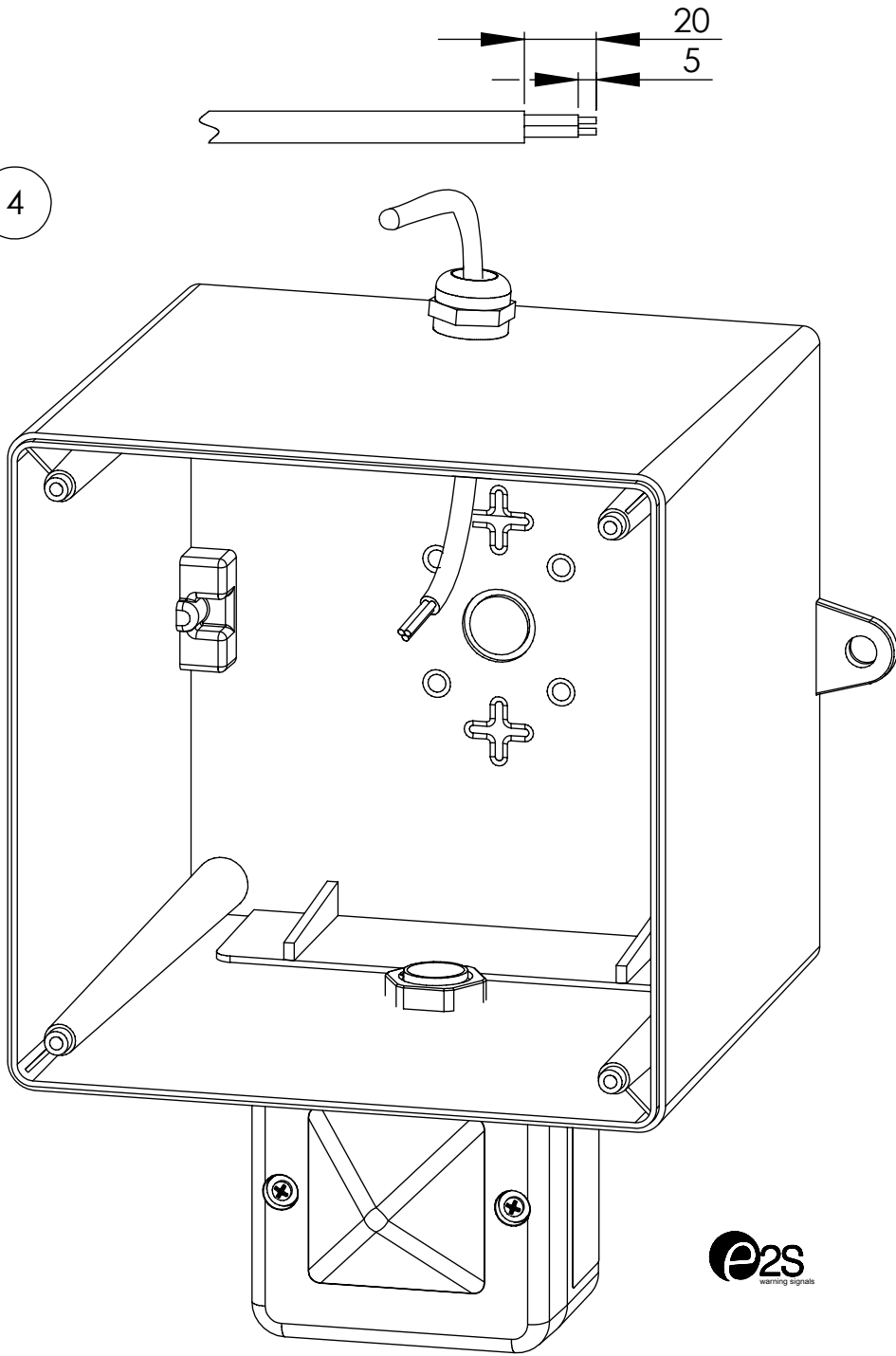
*S2 & S3 Denote Stage 2 & Stage 3 respectively
Stage switches are customer supplied



B

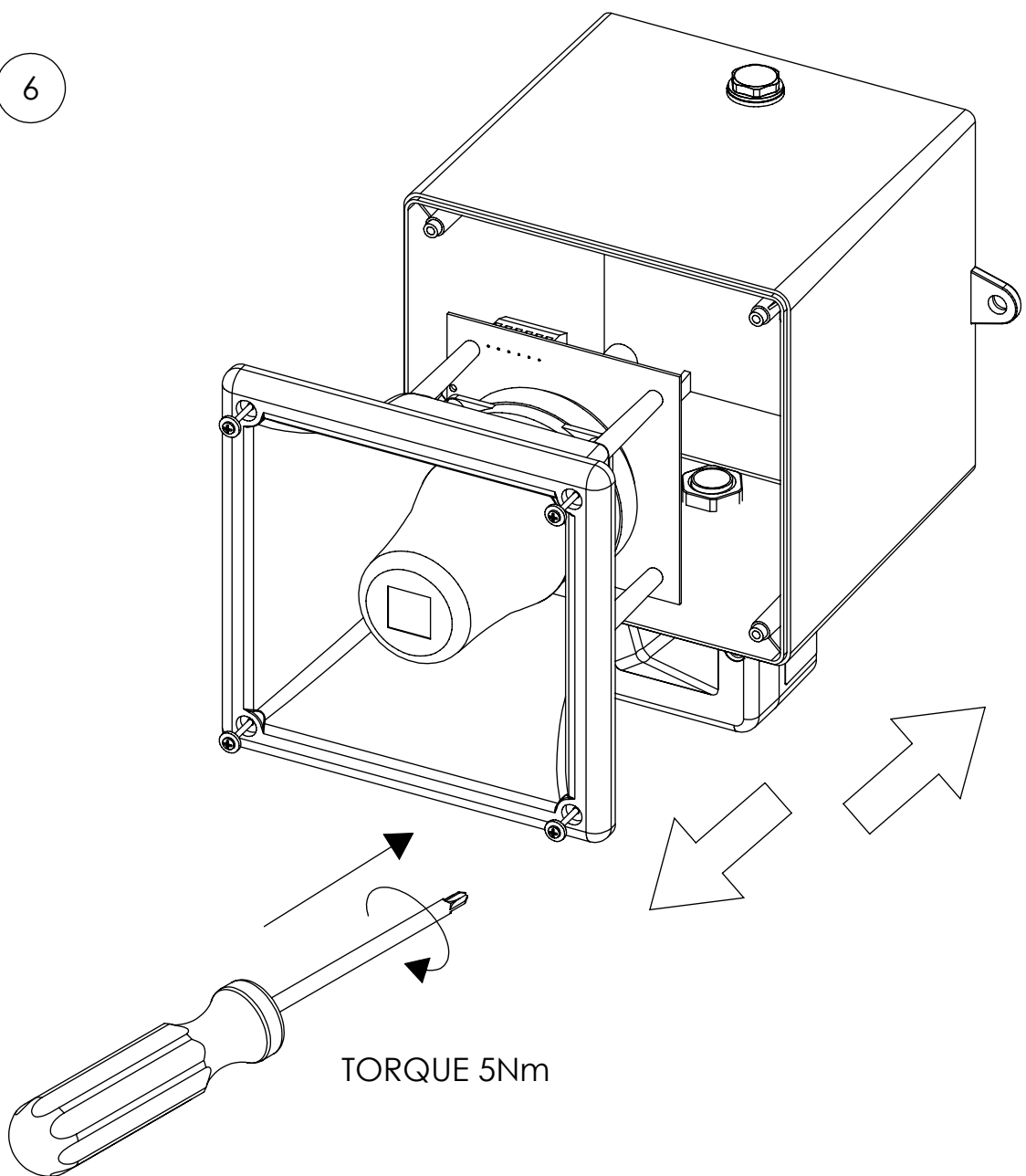


Dimensions in mm



D

CPR FILE DRAWING
No modification permitted
without reference to
"VdS"

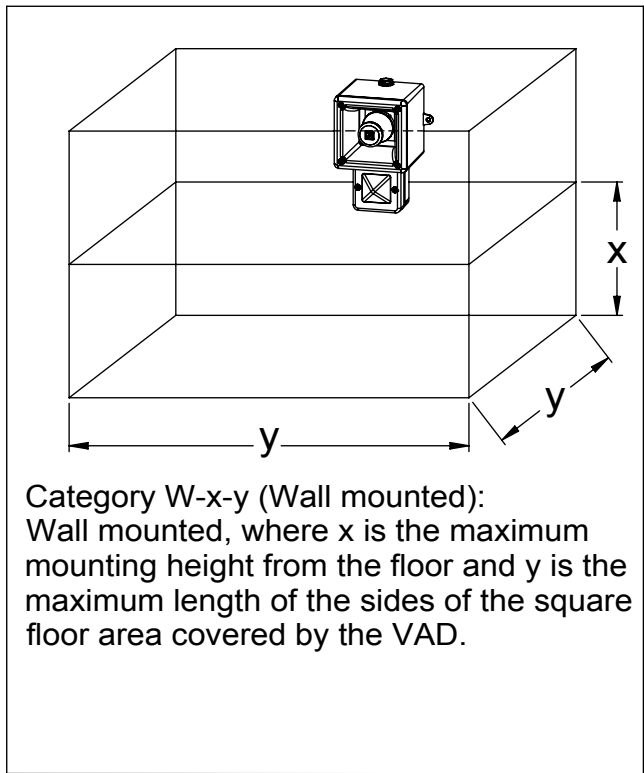


D180-00-501-IS-SC-CPR_SHT2_ISSUE_D



A

AL121XDC024 LIGHT OUTPUT



Note: CPR aproved units must be positioned sounder on top, beacon below.

Coverage Area According to EN54-23
(Only units in the following table are VdS Approved)

Unit	Category W	Power
AL121XDC024[x]/C-F	W-2.4-4.8 V=55.3m³	29W
AL121XDC048[x]/C-F	W-2.5-5 V=62.5m³	37W

CPR FILE DRAWING

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"VdS"

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mail : sales@e2s.com web : www.e2s.com

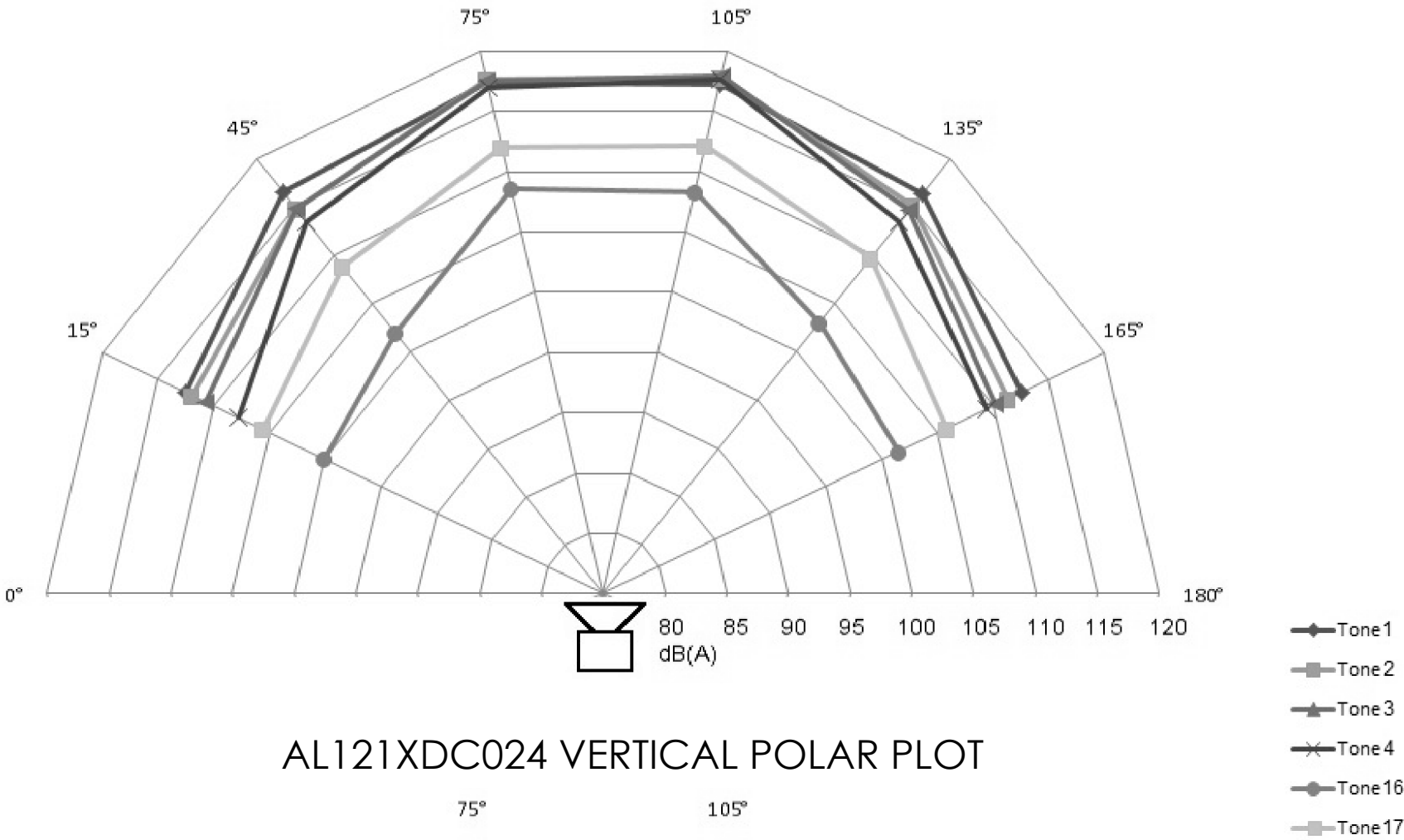


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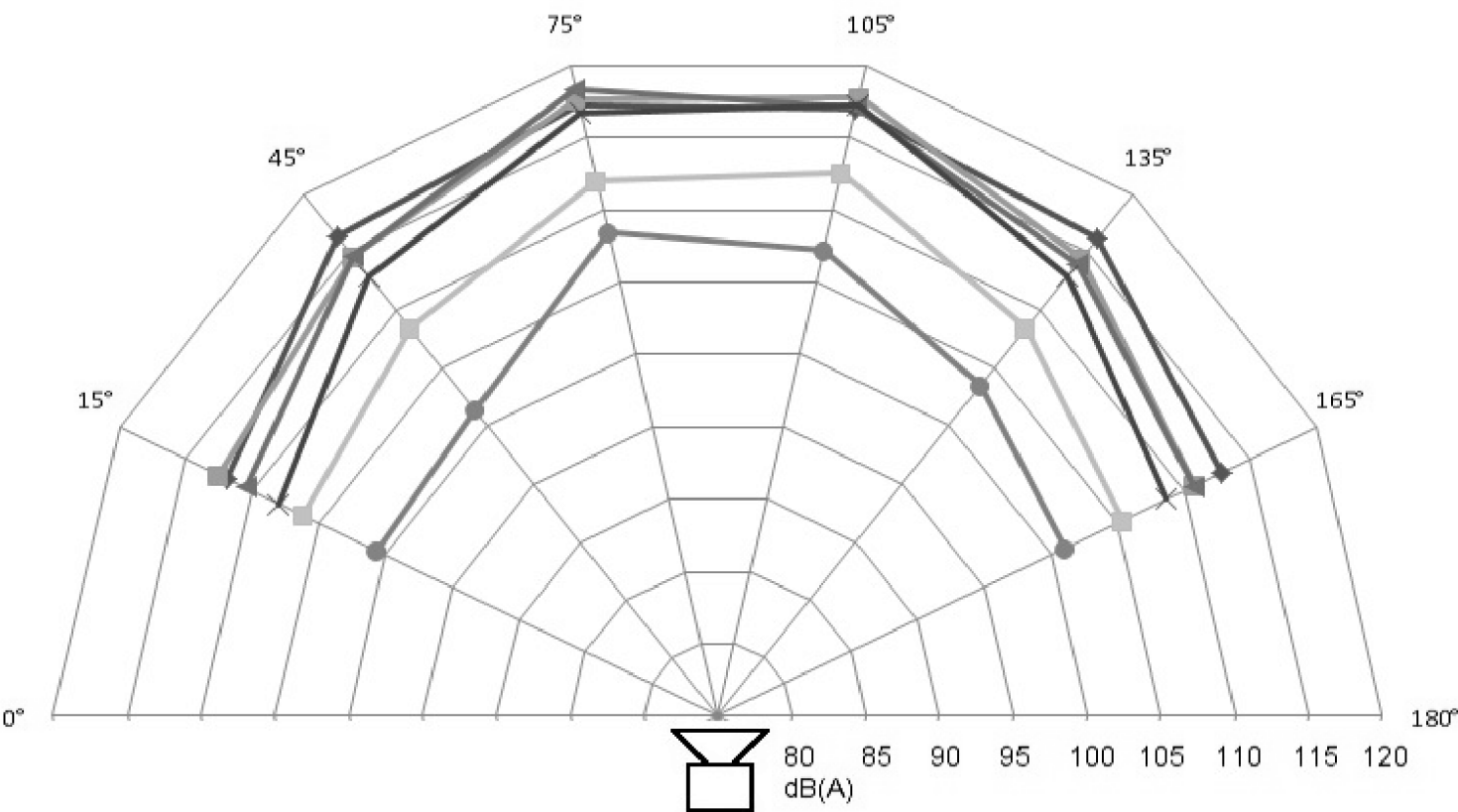
AL121XDC024 SOUND PRESSURE LEVEL OUTPUT

(TESTING AT MINIMUM VOLTAGE OF 18V DC.
ALL READINGS ARE IN dB(A) @ 1m)

AL121XDC024 HORIZONTAL POLAR PLOT



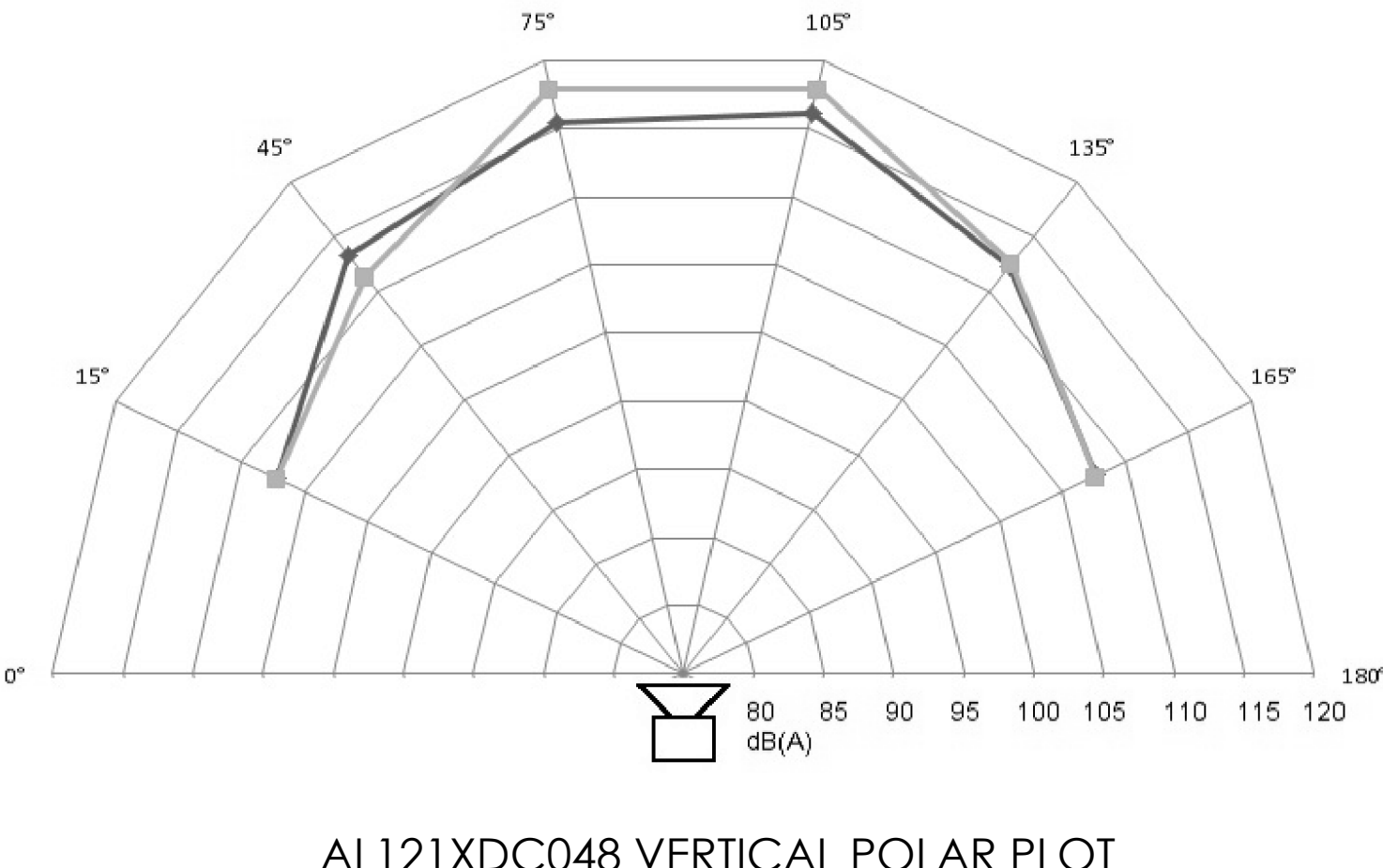
AL121XDC024 VERTICAL POLAR PLOT



AL121XDC048 SOUND PRESSURE LEVEL OUTPUT

(TESTING AT MINIMUM VOLTAGE OF 35V DC.
ALL READINGS ARE IN dB(A) @ 1m)

AL121XDC048 HORIZONTAL POLAR PLOT



AL121XDC048 VERTICAL POLAR PLOT

