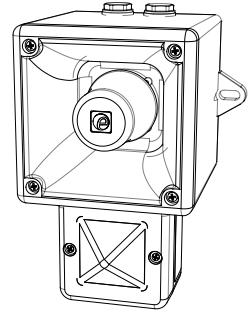


NOTICE D'INSTALLATION & D'UTILISATION

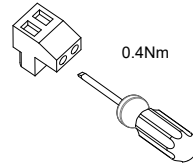
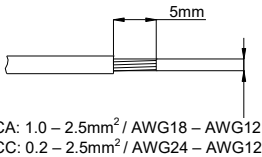
Combiné TONAFASH® Xénon TL105XV2

- -40°C à +66°C (-40°F à 151°F)
- Type 4 / 4X / 3R / 13, IP66
- 1.8Kg (3.96lb)
- CE, TL105XV2024 & TL105XV2048 conforme CPR, Toutes les versions sont "UL Listed"



Référence	Tension Nominale	Tolérance (Tension)	Courant Nominal Sirène*	Courant Nominal Feu*	Pression sonore nominale	Pression sonore max.	Pression sonore moyenne
TL105XV2012	12 V cc	11.5-14V cc	17mA	500mA	105.3dB(A) Son No. 44 @ 1m	110.9dB(A) Son No. 4 @ 1m	105.2dB(A) Tous les sons @1m
TL105XV2024	24V cc	20-28V cc	33.5mA	250mA			
TL105XV2048	48V cc	42-52V cc	113mA	170mA			
TL105XV2024A	24V ca	24-28V ca 50/60Hz	42.5mA	300mA			
TL105XV2048A	48V ca	48V ca ± 10% 50/60Hz	42mA	250mA			
TL105XV2115	115V ca	115V ca ± 10% 50/60Hz	25mA	70mA			
TL105XV2230	230V ca	230V ca ± 10% 50/60Hz	17mA	35mA			

*Courant nominal à la tension nominale, Son No. 1 / Flash 1Hz



Attention: Installation must be carried out by an electrician in compliance with the latest codes and regulations.

Attention: L'installation doit être effectuée par un électricien conformément aux derniers codes et réglementations.

Achtung: Die Installation muss von einem Elektriker gemäß den neuesten Vorschriften und Bestimmungen durchgeführt werden.

Attenzione: L'installazione deve essere eseguita da un elettricista in conformità con i codici e le normative più recenti.

Atención: La instalación debe ser realizada por un electricista de acuerdo con los últimos códigos y regulaciones.

Atenção: A instalação deve ser realizada por um electricista de acordo com os códigos e regulamentos mais recentes.

ВНИМАНИЕ: установка должна выполняться электриком в соответствии с последними нормами и правилами.

Attention: Disconnect from power source before installation or service to prevent electric shock

Attention: Débranchez-le de la source d'alimentation avant l'installation ou l'entretien pour éviter tout choc électrique.

Achtung: Vor Installation oder Wartung von der Stromquelle trennen, um einen Stromschlag zu vermeiden.

Attenzione: scollegare dall'alimentazione prima dell'installazione o dell'assistenza per evitare scosse elettriche.

Atención: desconéctelo de la fuente de alimentación antes de la instalación o el servicio para evitar descargas eléctricas.

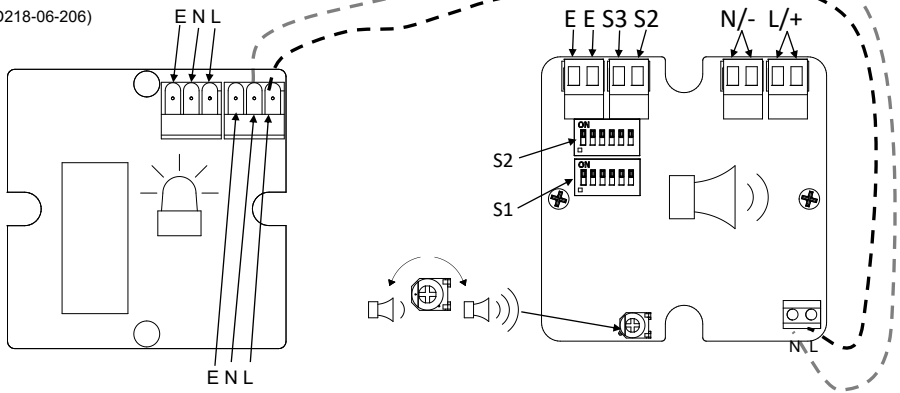
Atenção: Desconecte da fonte de alimentação antes da instalação ou serviço para evitar choque elétrico

ВНИМАНИЕ: отключите от источника питания перед установкой или обслуживанием, чтобы предотвратить поражение электрическим током.



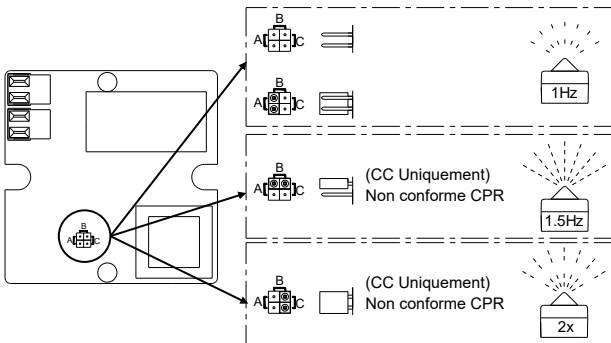
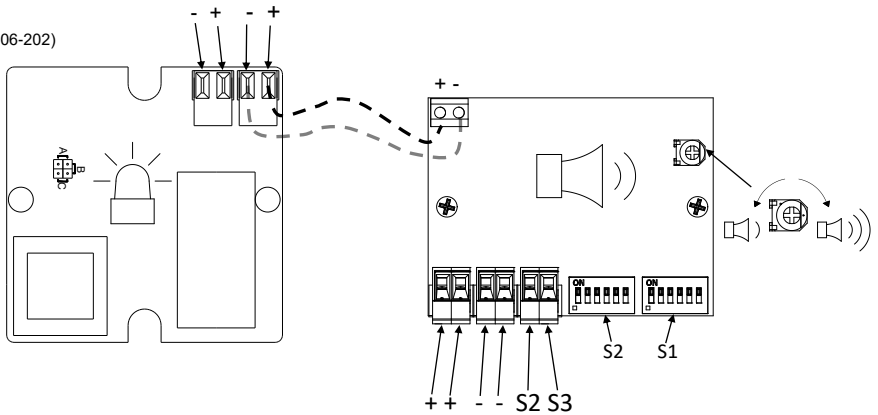
CA

(Voir D218-06-206)



CC

(Voir D218-06-202)



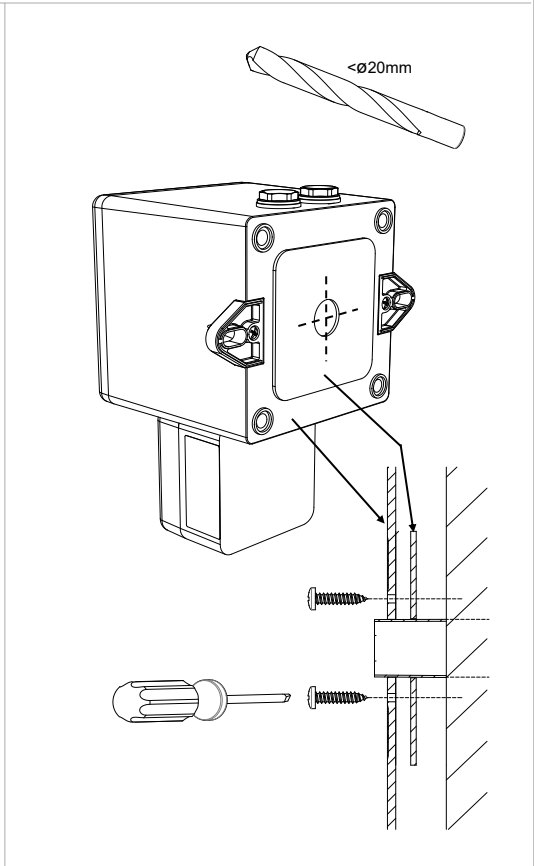
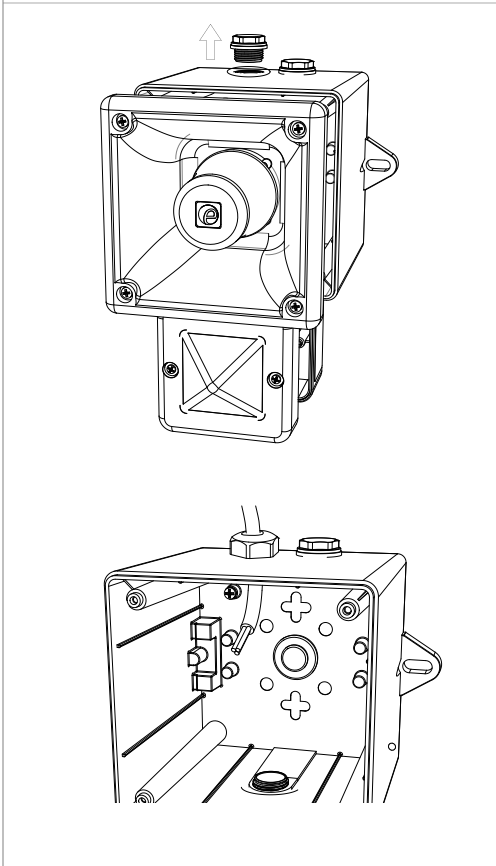
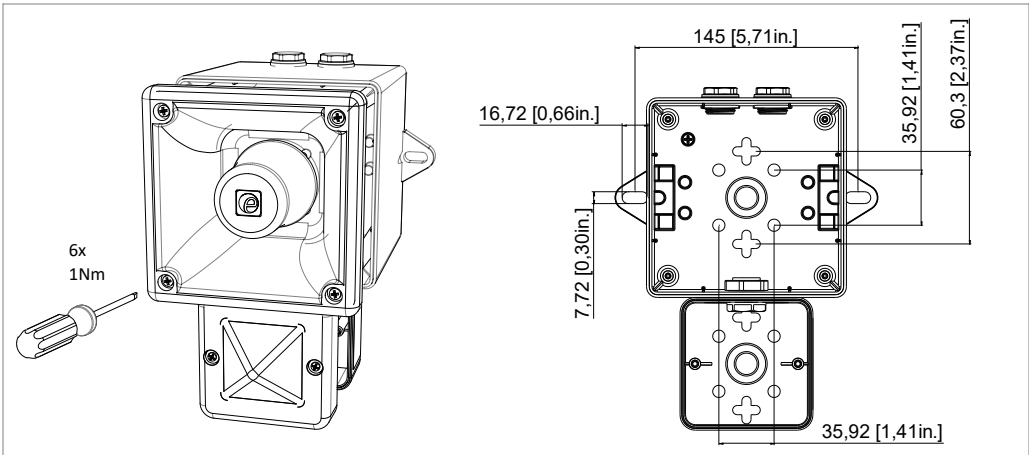
(CA & CC, Voir D221-95-001)

Par défaut = S2 - Son No. 1 Par défaut = S1 - Son No. 44



(ON = 1, OFF = 0)

NOTICE D'INSTALLATION & D'UTILISATION
 Combiné TONAFASH® Xénon TL105XV2



Construction Product Regulation

- AL105NXDC024 & AL105NXDC048 are compliant to EN54-3:2001+A1+A2 & EN54-23:2010
- VAD for use in fire detection and fire alarm systems installed in and around buildings
- Alarm devices – Sounder & Beacon
- Type 3R / 13, IP66, Independently tested to EN60529:1991, (IP33C Compliant to EN54-3)
- Type B Product, For Indoor & Outdoor use
- Observe Precautions for handling electrostatic devices
- -25°C to +55°C compliant to EN54-3 & EN54-23
- Cable Glands must be suitably sealed and meet minimum IP33 for EN54-3 applications
- Storage Temperature: -40°C to +70°C
- Maintenance – None
- Units can be mounted using 2-off \varnothing 7mm holes or through the back of the housing using the supplied gasket

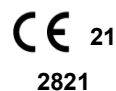
Order Code: AL105NXDC024

Voltage Range: 20-28Vdc
 Nominal Voltage: 24Vdc
 Max Sounder Current: P1: 125mA @ 28Vdc
 Max Beacon Current: 271mA @ 20Vdc
 DP-2821-CPR-0109



Order Code: AL105NXDC048

Voltage Range: 42-52Vdc
 Nominal Voltage: 48Vdc
 Max Sounder Current: 125mA @ 52Vdc
 Max Beacon Current: 160mA @ 42Vdc
 DP-2821-CPR-0109



Approved Tones for EN54-3 Applications:

- (Alternating Tone) 800/1000Hz @ 2Hz Alternating Tone 44
- (Rising Tone) 500/1200Hz @ 0.26Hz (3.3s on, 0.5s off) Tone 8
- (Fainting Tone) 1200/500Hz @ 1Hz Tone 2
- (Continuous Tone) 800Hz Tone 21
- (Pulsed Tone) 660Hz (150ms on, 150ms off) Tone 31

AL105NXDC024 / AL105NXDC048 @ 1m

Angle	Horizontal Sound Output Max Voltage (60 Vdc) LAFmax,T dB(A)						Horizontal Sound Output Min Voltage (18 Vdc) LAFmax,T dB(A)					
	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5
15°	93.9	94.6	93.7	94	91	91.8	90.8	91.2	90.5	90.9	88	89.1
45°	99.6	101.4	100.1	99.7	96.6	98.2	96.5	98.3	96.9	96.6	93.5	95.7
75°	102.5	103.9	103.5	102.6	102	100.6	100	101.1	100.6	100.1	98.7	98
105°	102.5	103.9	103.4	102.7	102	100.6	100	101.1	100.6	100.3	98.8	98.2
135°	99.5	101.4	100.1	99.7	96.4	98.1	96.4	98.2	96.9	96.6	93.5	95.5
165°	94.1	94.8	93.7	94.1	90.6	91.8	91.1	91.5	90.5	91.1	87.6	89.2

Angle	Vertical Sound Output Max Voltage (60 Vdc) LAFmax,T dB(A)						Vertical Sound Output Min Voltage (18 Vdc) LAFmax,T dB(A)					
	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5	Tone 44	Tone 8	Tone 2	Tone 21	Tone 31	Tone 5
15°	93.8	94.7	93.5	94.3	90.2	91.8	90.7	91.5	90.2	91.2	87.3	89.2
45°	99.6	101.4	100.1	100	96.4	98.3	96.5	98.4	97	96.9	93.4	95.7
75°	103	104.2	103.7	103.2	101.5	100.6	99.8	101.1	100.5	100.1	98.5	98.1
105°	102.6	104.2	103.4	102.6	101.8	100.5	100	101	100.6	100	99	98
135°	99.5	101.4	100.1	99.8	96.4	98.3	96.3	98.2	97	96.6	93.5	95.7
165°	94.3	94.5	93.6	94.6	89.8	91.6	91.2	91.2	90.4	91.5	96.8	88.8

The units have been tested and approved to DNVGL-CG-0339 & EN54-3:2014 incl. A1:2019 for the installation on ships in the following locations:

- Temperature: A, B, C & D (Machinery spaces, control rooms, accommodation, bridge, inside cubicles, desks, etc..., pump rooms, holds, rooms with no heating, Open deck, masts)
 A & B (All locations)
- Humidity: A (Bulkheads, Beams, Deck, Bridge)
- Vibration: A (All locations except Bridge & open deck)
- EMC: A (All locations except Bridge & open deck)
- Enclosure: A, B & C, IP66 (Control rooms, accommodation, bridge, engine room, open deck masts, below floor plates in engine room)

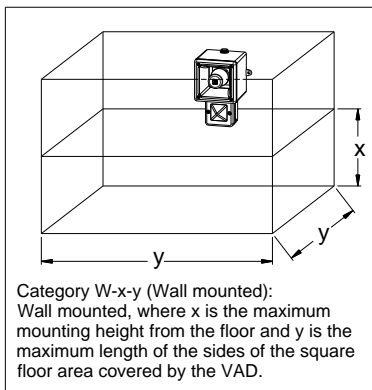
The units comply with Solas 74 Chapter II-2, Regulation 7 & Chapter X, Regulation 3 for installation on ships in the following locations:

- Temperature: D (Location -25° to +70°C)
 A (General Applications)
- Vibration: A (General Applications)
- EMC: A (General Power Distribution Zone)
- Enclosure: IP66, Salt mist

NOTICE D'INSTALLATION & D'UTILISATION

Combiné TONAFASH® Xénon TL105XV2

AL105NXDC024 & AL105NXDC48 LIGHT OUTPUT



Note: CPR approved 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
AL105NXDC024	W-2.4-4.8	11W
	V=55.3m	
AL105NXDC048	W-2.5-5	14W
	V=62.5m	

Approved Beacon for EN54-23 Applications:
Clear lenses are compliant with EN54-23

- All models are approved for use as Audible Signal and Visual Appliance for use as General Signaling: UL464A & CSA C22.2 No 205-17
 - Type 4 / 4X / 3R / 13, IP66 independently tested to EN60529:1991
 - 40°C to +66°C / -40°C to +151°F
- General Signaling Canada:
- AL105NXDC: -40°C to +55°C / -40°F to +131°F
 - AL105NXAC: -40°C to +40°C / -40°F to +104°F



- To maintain Ingress Protection, cable entries must be fitted with suitably rated cable glands or stopping plugs
- Mounting - Units can be mounted using 2 of the 4-off $\varnothing 7$ mm holes in the mounting lugs or through the back of the housing using the supplied gasket.
- EOL Monitoring (DC Only): End of Line Devices may be fitted between the +ve & -ve terminals of the PCBA. Please ensure that the device legs meet the wire size range stated for the connection terminals and are fitted correctly in order to avoid a short. Refer to the compatible control panel specification for EOL device values and ratings

Model	Nominal Voltage	Voltage Range	Nominal Operating Current*		Max Operating RMS [#]	
			Beacon	Sounder	Beacon	Sounder
AL105NXDC012	12V dc	11.5-14Vdc	500mA	17mA	531mA	125mA
AL105NXDC024	24V dc	20-28Vdc	250mA	33.5mA	271mA	
AL105NXDC048	48V dc	42-52Vdc	170mA	113mA	170mA	
AL105NXAC024	24V ac	24-28Vac 50/60Hz	300mA	42.5mA	426mA	42.5mA
AL105NXAC048	48V ac	42-54Vac 50/60Hz	250mA	42mA	360mA	
AL105NXAC115	115 Vac	103.5-126.5Vac 50/60Hz	70mA	25mA	101mA	
AL105NXAC230	230 Vac	207-253Vac 50/60Hz	35mA	17mA	58mA	

*Nominal Voltage, 1Hz Flash Pattern & Tone 12; #Worst-case input voltage and worst case flash pattern



Attention: Installation must be carried out by an electrician in compliance with the National Electrical Code, NFPA 70 or CSA 22.1 Canadian Electrical Code, Part I, Safety Standard for Electrical Installations, Section 32. / L'installation doit exclusivement être réalisée par du personnel qualifié, conformément au code national d'électricité américain, NFPA 70 ou CSA 22.1 Code canadien de l'électricité, première partie, norme de sécurité relative aux installations électriques, Section 32

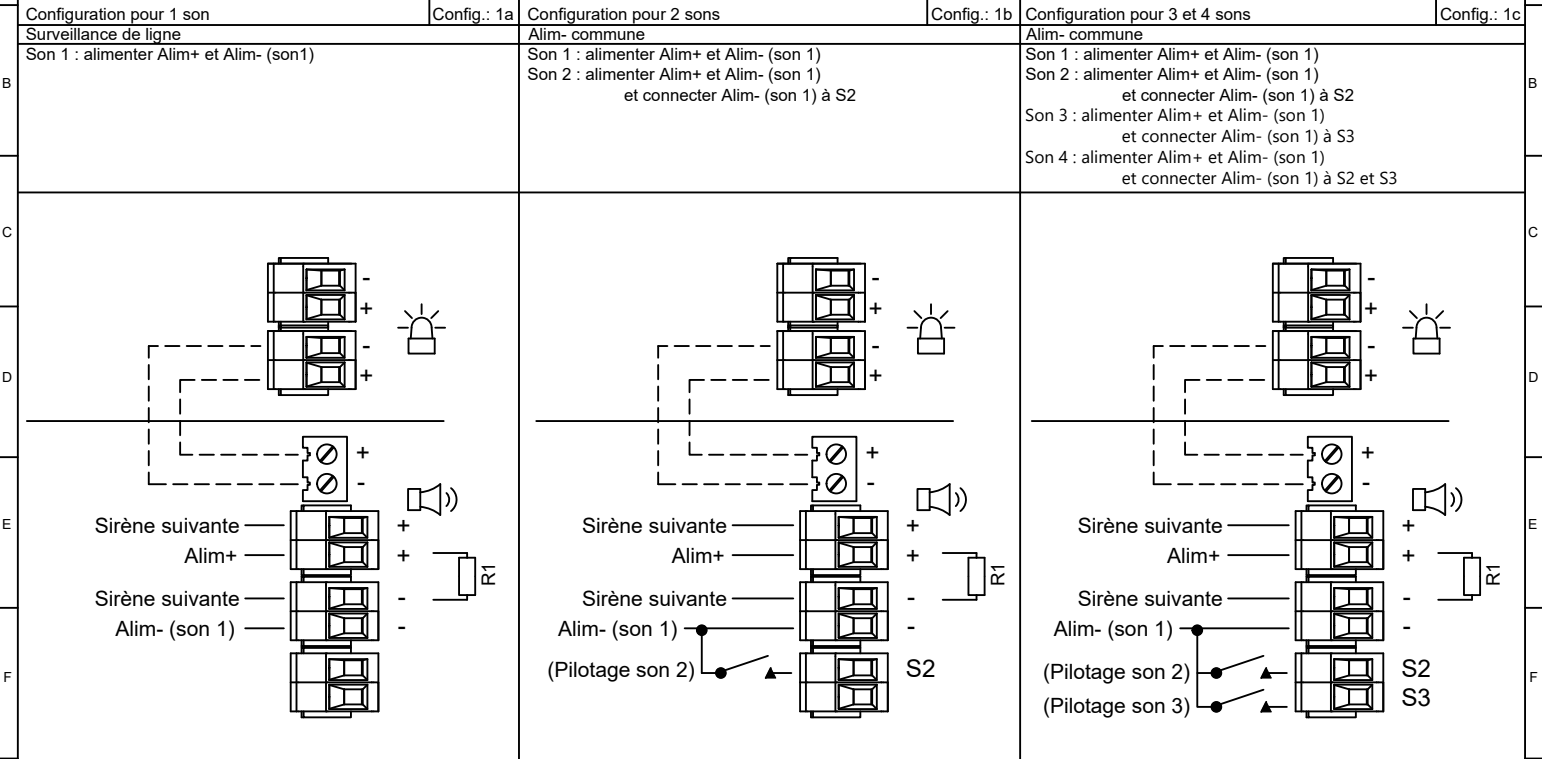
ISSUE	MOD No.	REASON - INITIAL - DATE
A		INTRODUCTION RSR - 25/06/2021

— — CÂBLAGE ENTRE LE FEU & LA SIRÈNE
FAIT EN USINE

OPTION: RÉSISTANCE POUR LA SURVEILLANCE DE LIGNE :
NON FOURNIE. VALEURS MINIMALES RECOMMANDÉES:
14V MAX = 120Ω MIN, 2W MIN OU 1KΩ MIN, 0,5W MIN
28V MAX = 470Ω MIN, 2W MIN OU 2,4KΩ MIN, 0,5W MIN

CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

Activation simultanée de la sirène et du feu (par défaut)



DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	DATE
	R.S.RAIT	25/06/2021
	CHECKED	DATE
STANDARDS ALERTALARM RANGE	B.ISARD	25/06/2021
	APPROVED	DATE
	R.N.POTTS	25/06/2021

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	
ALTERNATIVE MATERIAL	

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ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE			A3
TITLE AL100X, AL105NX & DL105X DC COMBINED SOUNDER & XENON WIRING DIAGRAMS			
SCALE	SHEET	DRAWING NUMBER	
NTS	1 of 2	D218-06-202	

1	2	3	4	5	6	7	8	9	10
							ISSUE A	MOD No.	REASON - INITIAL - DATE INTRODUCTION RSR - 25/06/2021

OPTION: RÉSISTANCE POUR LA SURVEILLANCE DE LIGNE:
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CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

Activation indépendante de la sirène et du feu (retirer le câblage entre le feu et la sirène)

	Configuration pour 1 son Surveillance de ligne Son 1 : alimenter Alim+ et Alim- (son 1)	Config.: 5a	Configuration pour 2 sons Alim+ commune Son 1 : alimenter Alim+ et Alim- (son 1) Son 2 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2	Config.: 5b	Configuration pour 3 et 4 sons Alim+ commune Son 1 : alimenter Alim+ et Alim- (son 1) Son 2 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2 Son 3 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S3 Son 4 : alimenter Alim+ et Alim- (son 1) et connecter Alim- (son 1) à S2 et S3	Config.: 5c

G	DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN R.S.RAIT	DATE 25/06/2021	SURFACE FINISH	WEIGHT (Kg)	THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT. EUROPEAN SAFETY SYSTEMS LTD. AS PER LATEST DATE OF ISSUE SHOWN ABOVE	 EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD LONDON W3 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE	 A3
	STANDARDS ALERTALARM RANGE	CHECKED B.ISARD	DATE 25/06/2021	MATERIAL	ALTERNATIVE MATERIAL			TITLE AL100X, AL105NX & DL105X DC COMBINED SOUNDER & XENON WIRING DIAGRAMS	
		APPROVED R.N.POTTS	DATE 25/06/2021					SCALE NTS	

--- CÂBLAGE ENTRE LE FEU & LA SIRÈNE
FAIT EN USINE

CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

Activation simultanée de la sirène et du feu (par défaut)

Configuration pour 1 son Config.: 1a Configuration pour 3 et 4 sons Config.: 1b

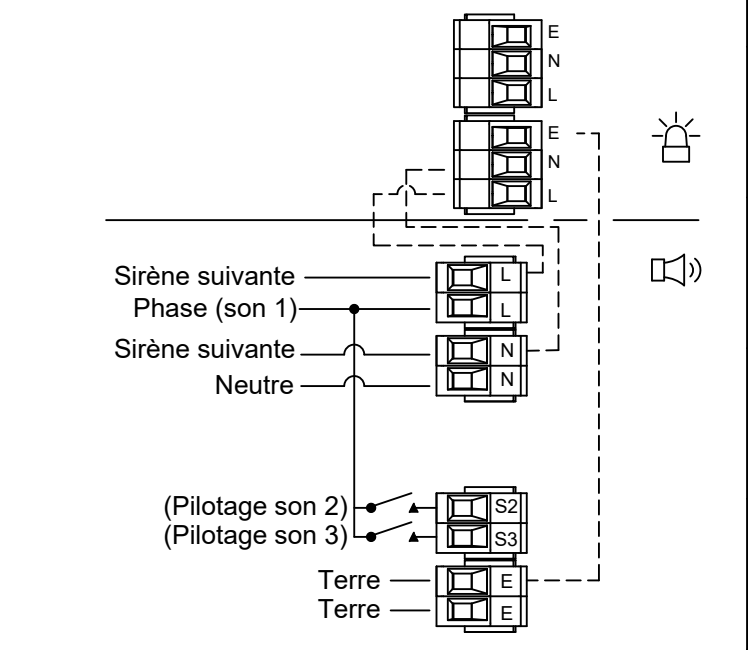
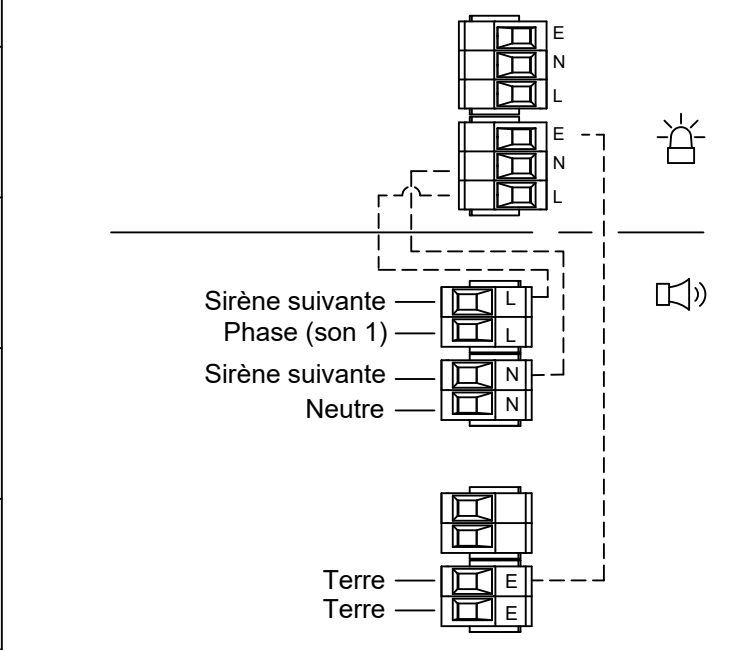
Son 1 : alimenter Phase (son 1) et Neutre

Son 1 : alimenter Phase (son 1) et Neutre

Son 2 : alimenter Phase (son 1) et Neutre et connecter S2 à Phase (son 1)

Son 3 : alimenter Phase (son 1) et Neutre et connecter S3 à Phase (son 1)


Son 4 : alimenter Phase (son 1) et Neutre et connecter S2 et S3 à Phase (son 1)



G	DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS		DRAWN R.S.RAIT	DATE 25/06/2021	SURFACE FINISH	WEIGHT (Kg)	THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITER'S CONSENT. © EUROPEAN SAFETY SYSTEMS LTD. AS PER LATEST DATE OF ISSUE SHOWN ABOVE	EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD FULFORD LONDON W13 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE		A3
	STANDARDS		CHECKED B.ISARD	DATE 25/06/2021					MATERIAL	TITLE AL100X, AL105NX & DL105X COMBINED SOUNDER & XENON WIRING DIAGRAMS	
	ALERTALARM RANGE		APPROVED R.N.POTTS	DATE 25/06/2021	ALTERNATIVE MATERIAL	SCALE NTS			SHEET 1 OF 2	DRAWING NUMBER D218-06-206	

ISSUE	MOD No	REASON - INITIAL - DATE
A		INTRODUCTION RSR - 25/06/2021

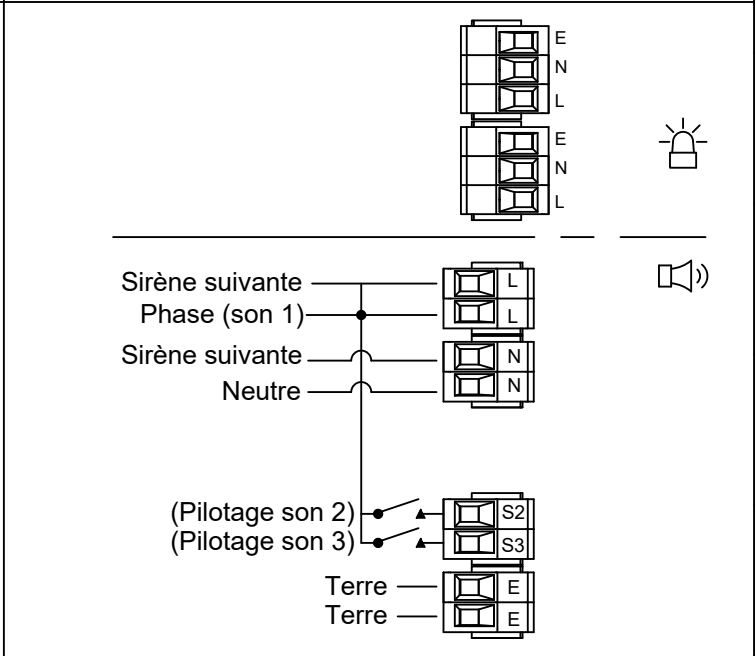
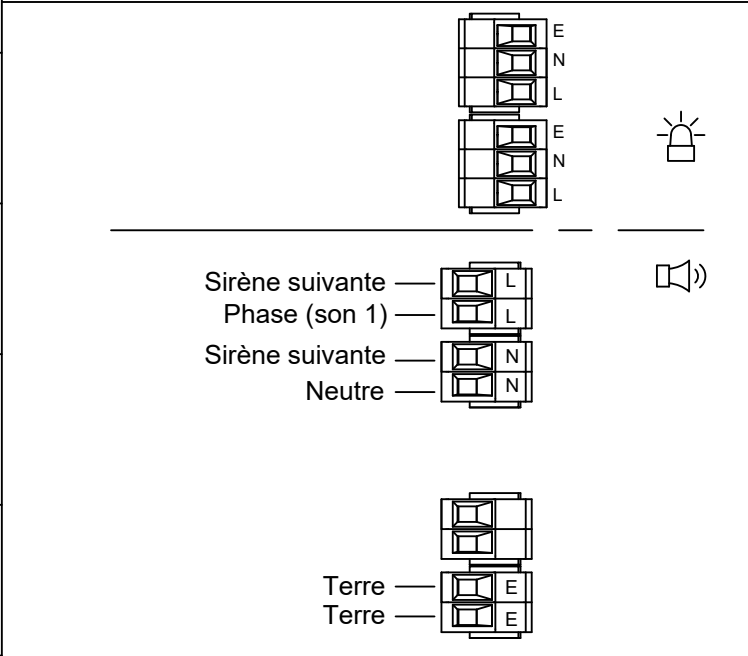
CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS



Activation indépendante de la sirène et du feu (retirer le câblage entre le feu et la sirène)

Configuration pour 1 son
Son 1 : alimenter Phase (son 1) et Neutre

Config.: 2a Configuration pour 3 et 4 sons
Config.: 2b
Son 1 : alimenter Phase (son 1) et Neutre
Son 2 : alimenter Phase (son 1) et Neutre et connecter S2 à Phase (son 1)
Son 3 : alimenter Phase (son 1) et Neutre et connecter S3 à Phase (son 1)
Son 4 : alimenter Phase (son 1) et Neutre et connecter S2 et S3 à Phase (son 1)



DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	R.S.RAIT	DATE	25/06/2021
	CHECKED	B.ISARD	DATE	25/06/2021
	APPROVED	R.N.POTTS	DATE	25/06/2021
	ALERTALARM RANGE			

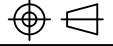
SURFACE FINISH	WEIGHT (Kg)
MATERIAL	
ALTERNATIVE MATERIAL	

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ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE			A3
TITLE AL100X, AL105NX & DL105X COMBINED SOUNDER & XENON WIRING DIAGRAMS			
SCALE	SHEET	DRAWING NUMBER	
NTS	2 of 2	D218-06-206	

Stage 1 Set DIP SW 1 Tone No.	Tone Description	Tone Visual	Stage 1 & 2 DIP SW 1/2 Settings 1 2 3 4 5 6	Stage 3 Set DIP SW 1 (S3)	Stage 4 Set DIP SW 1 (S2 + S3)
1	1000Hz PFEER Toxic Gas		0 0 0 0 0 0	2	44
2	1200/500Hz @ 1Hz DIN /PFEER P.T.A.P.		1 0 0 0 0 0	3	44
3	1000Hz @ 0.5Hz(1s on, 1s off) PFEER Gen. Alarm		0 1 0 0 0 0	2	44
4	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s NF C 48-265		1 1 0 0 0 0	24	1
5	544Hz(100mS)/440Hz (400mS) NF S 32-001		0 0 1 0 0 0	19	1
6	1500/500Hz - (0.5s on, 0.5s off) x3 + 1s gap AS4428		1 0 1 0 0 0	44	1
7	500-1500Hz Sweeping 2 sec on 1 sec off AS4428		0 1 1 0 0 0	44	1
8	500/1200Hz @ 0.26Hz (3.3son, 0.5s off) Netherlands - NEN 2575		1 1 1 0 0 0	24	35
9	1000Hz (1s on, 1s off)x7 + (7s on, 1s off) IMO Code 1a		0 0 0 1 0 0	34	1
10	1000Hz (1s on, 1s off)x7 + (7s on, 1s off) IMO Code 1a		1 0 0 1 0 0	34	1
11	420Hz(0.5s on, 0.5s off)x3 + 1s gap ISO 8201 Temporal Pattern		0 1 0 1 0 0	1	8
12	1000Hz(0.5s on, 0.5s off)x3 + 1s gap ISO 8201 Temporal Pattern		1 1 0 1 0 0	1	8
13	422/775Hz - (0.85 on, 0.5 off) x3 + 1s gap NFPA - Temporal Coded		0 0 1 1 0 0	1	8
14	1000/2000Hz @ 1Hz Singapore		1 0 1 1 0 0	3	35
15	300Hz Continuous (f=300)		0 1 1 1 0 0	24	1
16	440Hz Continuous (f=440)		1 1 1 1 0 0	24	1
17	470Hz Continuous (f=470)		0 0 0 0 1 0	24	8
18	500Hz Continuous IMO code 2 (Low) (f=500)		1 0 0 0 1 0	24	8
19	554Hz Continuous (f=554)		0 1 0 0 1 0	24	8
20	660Hz Continuous (f=660)		1 1 0 0 1 0	24	35
21	800Hz IMO code 2 (High) (f=800)		0 1 0 1 0 0	24	35
22	1200Hz Continuous (f=1200)		1 0 1 0 1 0	24	35
23	2000Hz Continuous (f=2000)		0 1 1 0 1 0	3	35
24	2400Hz Continuous (f=2400)		1 1 1 0 1 0	20	35
25	440Hz @0.83Hz (50 cycles/minute) Intermittent (f=440, a=0.6, b=0.6)		0 0 0 1 1 0	44	8
26	470Hz @0.9Hz - 1.1s Intermittent (f=470, a=0.55, b=0.55)		1 0 0 1 1 0	44	8
27	470Hz @5Hz - (5 cycles/second) Intermittent (f=470, a=0.1, b=0.1)		0 1 0 1 1 0	44	8
28	544Hz @ 1.14Hz - 0.875s Intermittent (f=470, a=0.43, b=0.44)		1 1 0 1 1 0	24	8
29	655Hz @ 0.875Hz Intermittent (f=655, a=0.57, b=0.57)		0 0 1 1 1 0	24	8
30	660Hz @0.28Hz - 1.8sec on, 1.8sec off Intermittent (f=660, a=1.8, b=1.8)		1 0 1 1 1 0	24	8
31	660Hz @3.34Hz - 150mS on, 150mS off Intermittent (f=660, a=0.15, b=0.15)		0 1 1 1 1 0	24	8
32	745Hz @ 1Hz Intermittent (f=745, a=0.5, b=0.5)		1 1 1 1 1 0	24	8
33	800Hz - 0.25sec on, 1 sec off Intermittent (f=800, a=0.25, b=1)		0 0 0 0 0 1	24	8
34	800Hz @ 2Hz IMO code 3.a (High) Intermittent (f=800, a=0.25, b=0.25)		1 0 0 0 0 1	24	19
35	1000Hz @ 1Hz Intermittent (f=1000, a=0.5, b=0.5)		0 1 0 0 0 1	24	19
36	2400Hz @ 1Hz Intermittent (f=2400, a=0.5, b=0.5)		1 1 0 0 0 1	24	19
37	2900Hz @ 5Hz Intermittent (f=2900, a=0.1, b=0.1)		0 0 1 0 0 1	24	19
38	363/518Hz @ 1Hz Alternating (f=363, f1=518, a=0.1)		1 0 1 0 0 1	8	19
39	450/500Hz @ 2Hz Alternating (f=450, f1=500, a=0.25)		0 1 1 0 0 1	8	19
40	554/440Hz @ 1Hz Alternating (f=440, f1=554, a=0.5)		1 1 1 0 0 1	24	19
41	554/440Hz @ 0.625Hz Alternating (f=440, f1=554, a=0.8)		0 0 0 1 0 1	8	19
42	561/760Hz @0.83Hz (50 cycles/minute) Alternating (f=561, f1=760, a=0.6)		1 0 0 1 0 1	8	19
43	780/600Hz @ 0.96Hz Alternating (f=600, f1=780, a=0.52)		0 1 0 1 0 1	8	19
44	800/1000Hz @ 2Hz Alternating (f=800, f1=1000, a=0.25)		1 1 0 1 0 1	24	19
45	970/800Hz @ 2Hz Alternating (f=800, f1=970, a=0.25)		0 0 1 1 0 1	8	19
46	800/1000Hz @ 0.875Hz Alternating (f=800, f1=1000, a=0.57)		1 0 1 1 0 1	24	19
47	2400/2900Hz @ 2Hz Alternating (f=2400, f1=2900, a=0.25)		0 0 1 1 0 1	24	19
48	500/1200Hz @ 0.3Hz Sweeping (f=500, f1=1200, a=3.34)		1 1 1 1 0 1	24	12
49	560/1055Hz @ 0.18Hz Sweeping (f=560, f1=1055, a=5.47)		0 0 0 0 1 1	24	12
50	560/1055Hz @ 3.3Hz Sweeping (f=560, f1=1055, a=0.3)		1 0 0 0 1 1	24	12
51	600/1250Hz @ 0.125Hz Sweeping (f=600, f1=1250, a=8)		0 1 0 0 1 1	24	12
52	660/1200Hz @ 1Hz Sweeping (f=660, f1=1200, a=1)		1 1 0 0 1 1	24	12
53	800/1000Hz @ 1Hz Sweeping (f=800, f1=1000, a=1)		0 1 0 0 1 1	24	12
54	800/1000Hz @ 7Hz Sweeping (f=800, f1=1000, a=0.14)		1 0 1 0 1 1	24	12
55	800/1000Hz @ 50Hz Sweeping (f=800, f1=1000, a=0.02)		0 1 0 1 0 1	24	12
56	2400/2900Hz @ 7Hz Sweeping (f=2400, f1=2900, a=0.14)		1 1 1 0 1 1	24	12
57	2400/2900Hz @ 1Hz Sweeping (f=2400, f1=2900, a=1)		0 0 0 1 1 1	24	12
58	2400/2900Hz @ 50Hz Sweeping (f=2400, f1=2900, a=0.02)		1 0 0 1 1 1	24	12
59	2500/3000Hz @ 2Hz Sweeping (f=2500, f1=3000, a=0.5)		0 1 0 1 1 1	24	12
60	2500/3000Hz @ 7.7Hz Sweeping (f=2500, f1=3000, a=0.13)		1 1 0 1 1 1	24	12
61	800Hz Motor Siren (f=800, a=1.6)		0 0 1 1 1 1	24	12
62	1200Hz Motor Siren (f=1200, a=2)		1 0 1 1 1 1	24	12
63	2400Hz Motor Siren (f=2400, a=1.7)		0 1 1 1 1 1	24	12
64	Simulated Bell		1 1 1 1 1 1	21	12

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