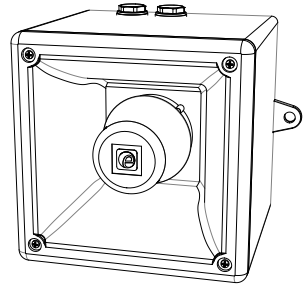


NOTICE D'INSTALLATION & D'UTILISATION

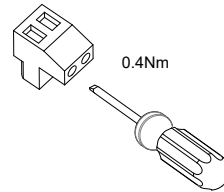
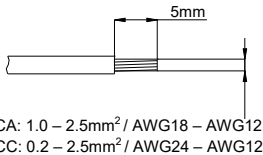
Sirène TONALARM® T112V2

- -40°C à +66°C (104°F à 151°F)
- Type 4 / 4X / 3R / 13, IP66
- 1.8Kg (3.96lb)
- CE, T112XV2024 conforme CPR , Toutes les versions sont "UL Listed"



Référence	Tension Nominale	Tolérance (Tension)	Courant Nominal P1*	Courant Nominal P2*	Pression sonore nominale	Pression sonore max.	Pression sonore moyenne
T112V2024	12 Vcc	11.5-54Vcc	280mA	376mA	113.7dB(A) / 116.6dB(A) Son No. 44 @ 1m	115dB(A) / 118.4dB(A) Son No. 4 @ 1m	110.8dB(A) / 114.8dB(A) Tous les sons @ 1m
	24 Vcc		225mA	430mA			
	48 Vcc		122mA	223mA			
T112V2230	115 Vca	100-240Vca 50/60Hz	100mA	173mA			
	230 Vca		65mA	105mA			

*Courant nominal à la tension nominale



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.

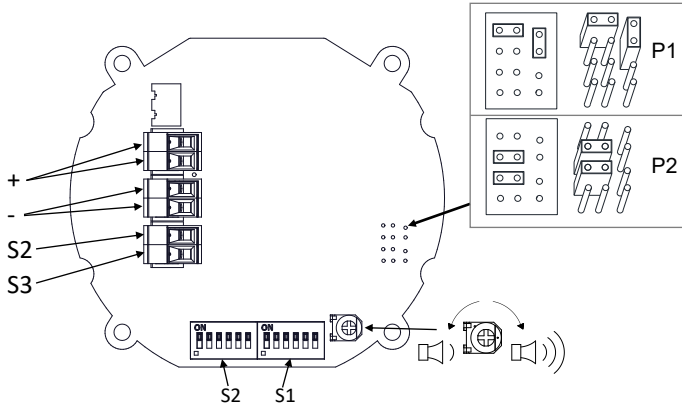
Atención: desconéctelo de la fuente de alimentación antes de la instalación o el servicio para evitar descargas eléctricas.

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.

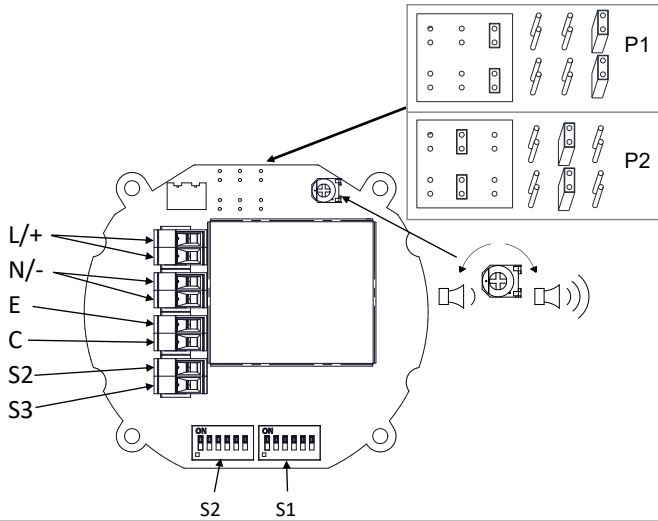
CC

Voir D221-06-002

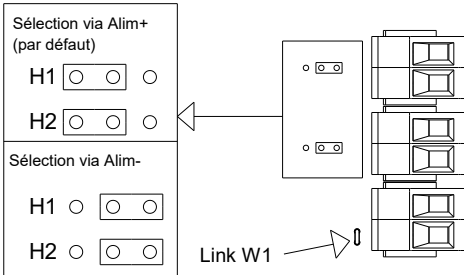


CA

Voir D221-06-006



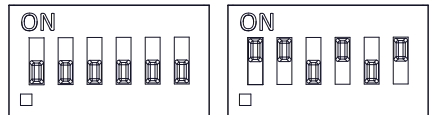
(CC Uniquement, Voir D221-06-002)



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

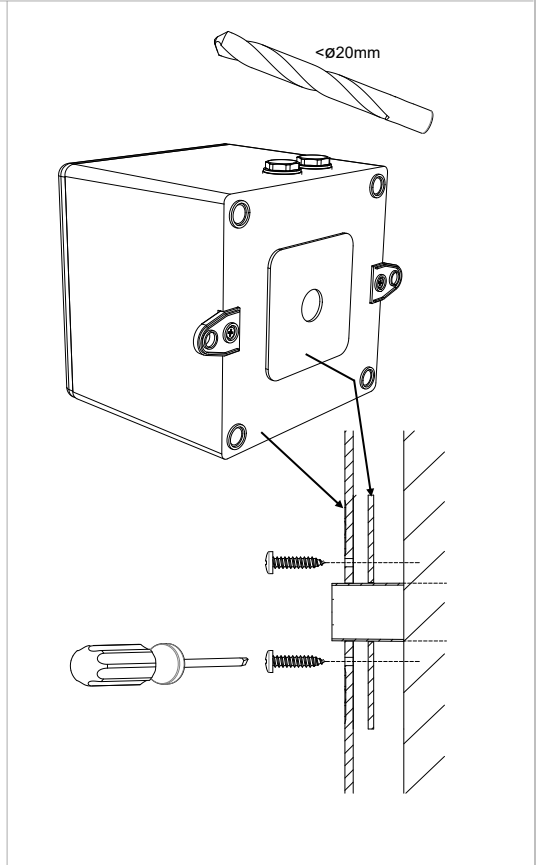
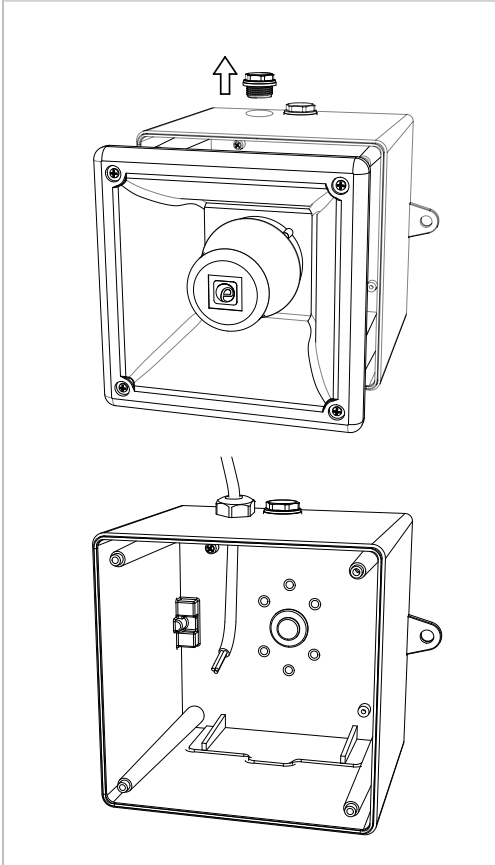
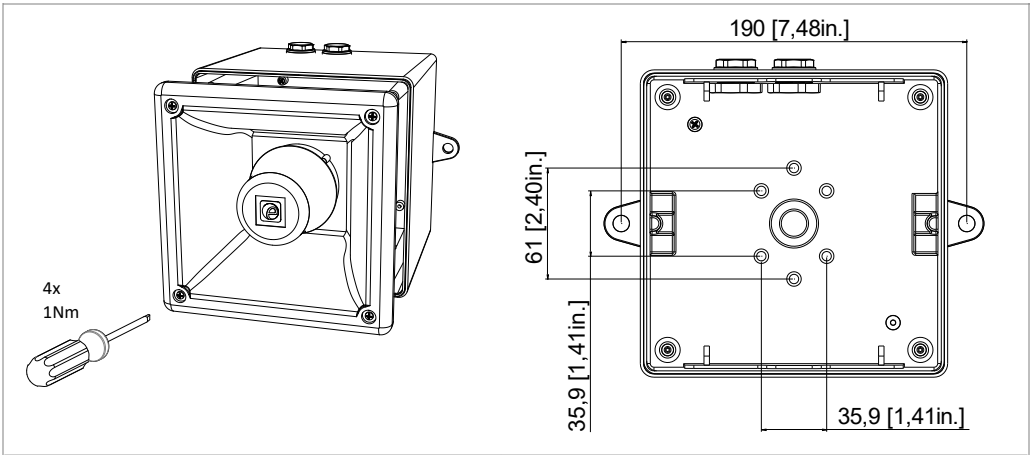
Par défaut = S2 - Son No. 1

Par défaut = S1 - Son No. 44



(ON = 1, OFF = 0)

NOTICE D'INSTALLATION & D'UTILISATION
Sirène TONALARM® T112V2



Construction Product Regulation

- A112NDC024 is compliant to EN54-3:2001+A1+A2
- Alarm devices – Sounder for use in fire detection and fire alarm systems installed in and around buildings
- Type 4 / 4X / 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
- Cable Glands must be suitably sealed and meet minimum IP33 for EN54-3 applications
- Storage Temperature: -40°C to +70°C
- Maintenance – None
- Mounting - Units can be mounted using the 2-off ø9mm holes in the mounting lugs or through the back of the housing using the supplied gasket seal.

Order Code: A112NDC024
 Voltage Range: 11.5-54Vdc
 Nominal Voltage: 24Vdc
 Max Current: P1: 280mA @12Vdc;
 P2: 430mA @24Vdc
 DP-2821-CPR-0108



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
- (Alternating Tone) 544Hz(100mS)/440Hz (400mS) Tone 5

A112NDC024 (P2) @ 1m

Angle	Horizontal Sound Output Max Voltage (54 Vdc) LAFmax,T dB(A)						Horizontal Sound Output Min Voltage (11.5 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°	106.1	105.8	105.1	105.4	105.2	93.9	101.2	101.6	101.1	101	101.2	91
45°	105.2	107.2	106.3	104.1	98.7	101.6	101.3	102.9	102.1	100.2	94.7	99
75°	112.1	112.6	111.9	111.7	110.1	104.8	108.1	108.5	107.7	108.1	106.5	103
105°	111.9	112.5	111.7	111.7	110.2	104.8	107.9	108.4	107.6	108.1	106.4	103
135°	104.8	107.4	106.4	103.8	99.2	101.6	101.1	103.2	102.1	99.8	95.5	99
165°	105.2	105.8	105.2	105.3	105.1	93.8	100.8	101.5	100.8	100.9	102	90.8
Angle	Vertical Sound Output Max Voltage (54 Vdc) LAFmax,T dB(A)						Vertical Sound Output Min Voltage (11.5 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°	107.2	107.1	105.9	107.4	105.5	95.5	103.1	102.8	101.5	103.1	101.5	91.8
45°	106	109.3	107.9	104.6	100.5	103.7	102.2	105.4	103.8	100.4	96.6	99.9
75°	113.2	113.3	112.9	113	110.8	106.1	109.2	109.3	108.7	109.1	107.1	103
105°	112.9	113.1	112.7	112.8	111.4	106.1	109	108.9	108.5	108.9	107.7	103.1
135°	105.5	109.3	107.7	104.7	100.3	104.3	101.4	105.3	103.5	100.7	96.5	100.7
165°	107	106.5	105.9	106.4	105.3	95	102.6	102.1	101.5	102.2	101.1	91.2

A112XDC024 (P1) @ 1m

Angle	Horizontal Sound Output Max Voltage (54 Vdc) LAFmax,T dB(A)						Horizontal Sound Output Min Voltage (11.5 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°	103.3	103.7	103.1	103.3	103.2	91.5	101	101.5	100.9	101	100.3	89.4
45°	103.4	104.8	104.2	101.6	96.3	99.4	101.5	102.7	101.8	99.6	94.3	97.4
75°	109.1	110.4	109.7	109.6	108.3	103.2	107.1	108.2	107.4	107.7	105.9	101.4
105°	109.9	110.2	109.6	109.7	108.6	103	107.7	108.1	107.4	107.6	105.9	101.6
135°	103.4	104.8	104	101.8	96.5	99.4	101.1	102.8	101.7	99.6	94.5	97.4
165°	103.4	103.5	103	103.3	103	91.6	101	101.4	100.8	101.1	100.2	89.4
Angle	Vertical Sound Output Max Voltage (54 Vdc) LAFmax,T dB(A)						Vertical Sound Output Min Voltage (11.5 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°	104.1	104.1	103.2	104.1	102.3	92.3	101.8	101.8	100.8	101.8	100	90.4
45°	103.4	106.4	105.2	101.9	96.3	100.2	101.3	104.3	103.1	99.7	94.1	98.2
75°	109.8	110.1	109.8	110.4	108.3	103.2	107.7	107.8	107.7	108.4	106.2	101.4
105°	109.1	109.9	109.5	110	108.3	102.9	106.9	107.7	107.1	107.6	105.7	101.3
135°	101.1	106.4	104.7	101.8	96.6	101	100.6	104.1	102.3	99.6	94.5	99.1
165°	103.6	103.1	102.8	103.6	102.8	91.8	101.2	100.9	100.7	101.4	99.8	89.8

NOTICE D'INSTALLATION & D'UTILISATION

Sirène TONALARM® T112V2



- All models are approved for use as Audible Signal Appliance for use as General Signaling: UL464A & CSA C22.2 No 205-17
- Type 4 / 4X / 3R / 13, IP66
- 40°C to +66°C / -40°C to +151°F
General Signaling Canada:
A112NDC024: -40°C to +55°C / -40°F to +131°F
A112NAC230: -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
- 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	P1 Nominal Operating Current*	P2 Nominal Operating Current*	P1 Max Operating RMS [#]	P2 Max Operating RMS [#]
A112NDC024	12V dc	11.5 - 54V dc	280mA	376mA	280mA	430mA
	24V dc		225mA	430mA		
	48V dc		122mA	223mA		
A112NAC230	115V ac	100- 240V ac 50/60Hz	100mA	173mA	101mA	181mA
	230V ac		65mA	105mA		

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

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)

Humidity: A & B (All locations)

Vibration: A (Bulkheads, Beams, Deck, Bridge)

EMC: A & B (All locations Including Bridge & open deck)

Enclosure: A, B & C (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)

Vibration: A (General Applications)

EMC: B (Bridge & Open Deck Zone)

Enclosure: IP56, Salt mist

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 1 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

FIRE INSTRUCTION & SERVICE MANUAL
A112N Range Alert Alarm Sounder UL464 / CAN/ULC-S525
Model: A112NDC



Attention: Installation must be carried out by an electrician in compliance with the National Electrical Code, NFPA 70, and the National Fire Alarm Signaling Code, NFPA 72 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, et le code national d'alarme incendie et de signalisation NFPA 72 ou CSA 22.1 Code canadien de l'électricité, première partie, norme de sécurité relative aux installations électriques, Section 32



Attention: Disconnect from power source before installation or service to prevent electric shock / Débranchez-le de la source d'alimentation avant l'installation ou l'entretien pour éviter tout choc électrique.



Attention: Do not paint / Ne pas Peinturer

- 40°C to +66°C / -40°F to +151°F
- Units can be mounted using the 2-off ø9mm holes in the mounting lugs or through the back of the housing using the supplied gasket seal.
- A112NDC024 is approved for use as an audible signal appliance for fire alarm use – Public Mode (UL464 & CAN/ULC-S525) and produces a minimum sound pressure level of P1: US: 93.37dB(A); CA: 101.6dB(A) / P2: US: 94.64dB(A); CA: 103.9dB(A) at 10 feet, (figures @ worst case 11.5Vdc).
- A112NDC024 produces a minimum sound pressure level of P1: US: 95.6dB(A); CA: 104.3dB(A) / P2: US: 98.55dB(A); CA: 107.6dB(A) at 10 feet (@24Vdc)
- For Fire Alarm applications, the Sounder Volume must be at the highest setting, (see volume control section). For fire alarm use, Tone 12 as shown below must be selected:

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)
12	1000Hz(0.5s on, 0.5s off)x3 + 1s gap ISO 8201 Temporal Pattern		1 1 0 1 0 0	1	8

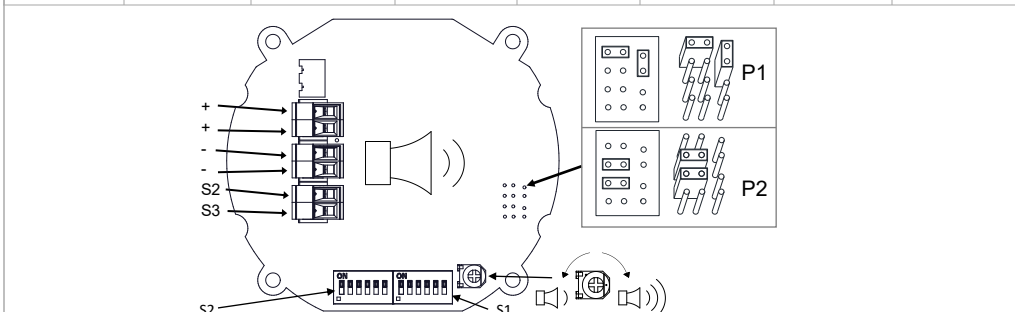
- Connection Terminals: Pluggable
 AC: 1.0 - 2.5mm² / AWG18 - AWG12
 DC: 0.2 - 2.5mm² / AWG24 - AWG12
- Terminal Tightening torque 0.4Nm
- To maintain Ingress Protection, cable entries must be fitted with suitably rated cable glands or stopping plugs
- Units can be located indoor or outdoor wet use, wall or ceiling mounted and there are no limitations on orientation
- Factory finishes are not intended to be modified

Surge Current Ratings for use in fire alarm systems

Model	Nominal Voltage	Voltage Range	Initial Peak	Initial RMS
A112NDC024	24V dc	11.5 - 54V dc	P1: 1455mA / P2: 1164mA	P1: 140mA / P2: 286mA

A112NDC024 Sounder Directional Characteristics for Canadian Fire CAN/ULC-S525 at 10 feet

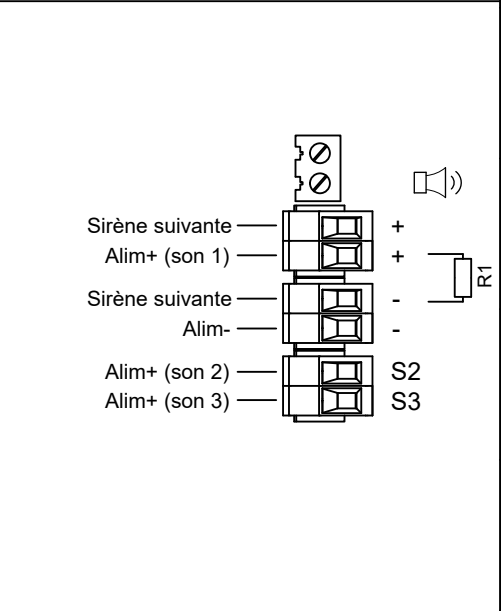
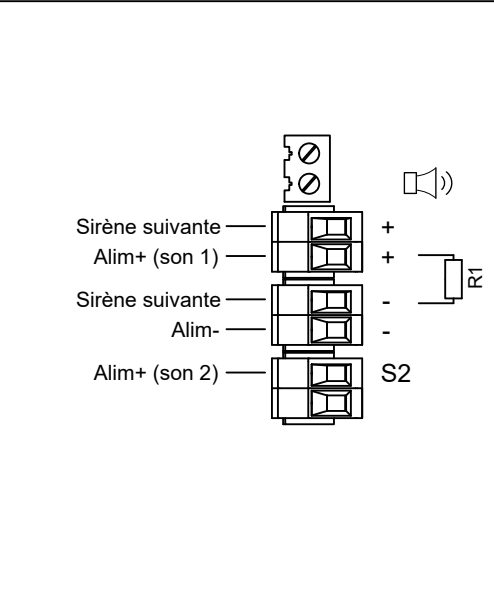
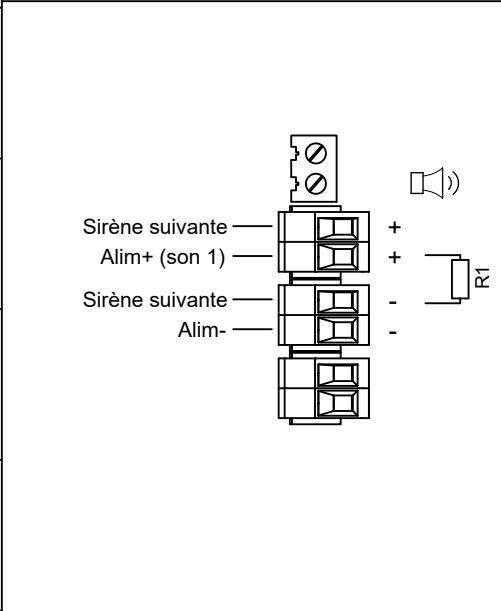
Horizontal Axis				Vertical Axis			
Angle	OSPL	Angle	OSPL	Angle	OSPL	Angle	OSPL
Ref. 90°	103.7 dB(A)	Ref. 90°	103.7 dB(A)	Ref. 90°	103.8 dB(A)	Ref. 90°	103.78dB(A)
129°	-3 dB(A)	49°	-3 dB(A)	126°	-3 dB(A)	49°	-3 dB(A)
131°	-6 dB(A)	39°	-6 dB(A)	140°	-6 dB(A)	40°	-6 dB(A)
180°	92.6 dB(A)	0°	91.2 dB(A)	180°	92.5 dB(A)	0°	90.8 dB(A)



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

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

Configuration pour 1 son	Config.: 1a	Configuration pour 2 sons	Config.: 1b	Configuration pour 3 et 4 sons	Config.: 1c
Surveillance de ligne		Alim- commune		Alim- commune	
Pilotage via Alim+ (par défaut)		Pilotage via Alim+ (par défaut)		Pilotage via Alim+ (par défaut)	
Son 1 : alimenter Alim+ et Alim- (son1)		Son 1 : alimenter Alim+ (son 1) et Alim- Son 2 : alimenter Alim+ (son 2) et Alim-		Son 1 : alimenter Alim+ (son 1) et Alim- Son 2 : alimenter Alim+ (son 2) et Alim- Son 3 : alimenter Alim+ (son 3) et Alim- Son 4 : alimenter Alim+ (son 2), Alim+ (son 3) et Alim-	



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	B.ISARD	25/06/2021
	APPROVED	DATE
ALERTALARM RANGE	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 A112N & A121 DC SOUNDER WIRING DIAGRAMS			
SCALE	SHEET	DRAWING NUMBER	
NTS	1 OF 3	D221-06-002	

OPTION: RÉSISTANCE POUR LA SURVEILLANCE DE LIGNE :
NON FOURNIE, VALEURS MINIMALES RECOMMANDÉES:
14V MAX = 120Ω MIN, 2W MIN OU 1.1KΩ MIN, 0.5W MIN
28V MAX = 470Ω MIN, 2W MIN OU 2.4KΩ MIN, 0.5W MIN

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

3 et 4 sons. Activation sans tension des sons 2, 3 et 4.
Alim+ commune
Positionner H1 & H2 sur pilotage via Alim- (voir ci-dessous)

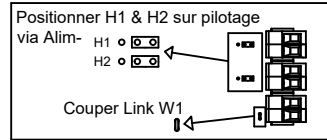
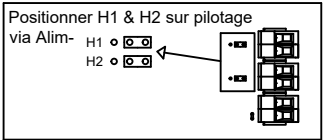
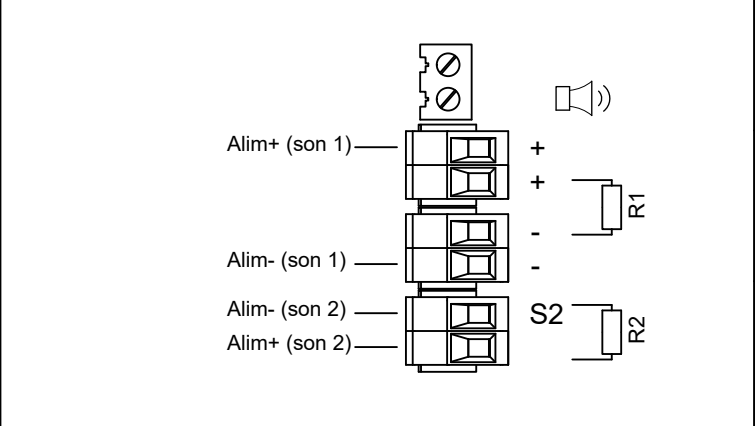
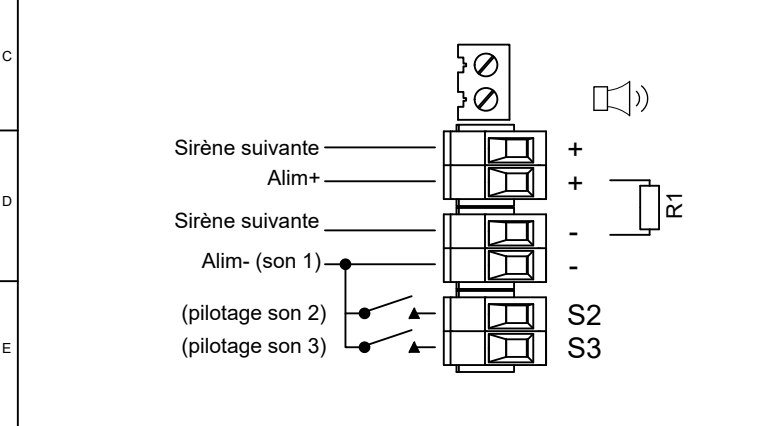
Config.: 2

Configuration pour 2 sons
Alimentation indépendante des sons
Surveillance de ligne par inversion de polarité
Positionner H1 & H2 sur pilotage via Alim- (voir ci-dessous)

Config.: 3

Son 1 : alimenter Alim+ et Alim- (son1)
Son 2 : alimenter Alim+ et Alim- (son1) et connecter S2 à Alim- (son 1)
Son 3 : alimenter Alim+ et Alim- (son1) et connecter S3 à Alim- (son 1)
Son 4 : alimenter Alim+ et Alim- (son1) et connecter S2 et S3 à Alim- (son 1)

Son 1 : alimenter Alim+ (son1) et Alim- (son 1)
Son 2 : alimenter Alim+ (son1) et Alim- (son 1) et connecter Alim- (son 2) à Alim- (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
STANDARDS	ALERTALARM RANGE			

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	
ALTERNATIVE MATERIAL	

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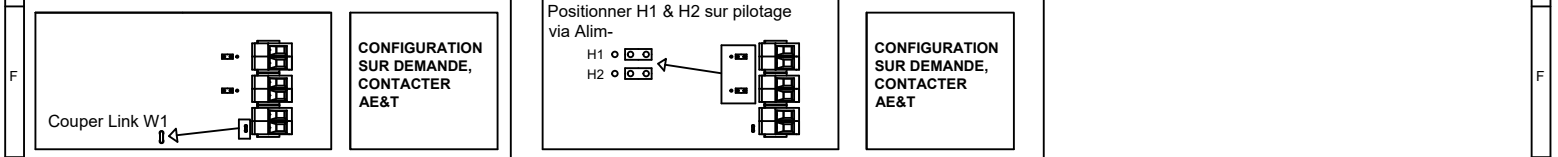
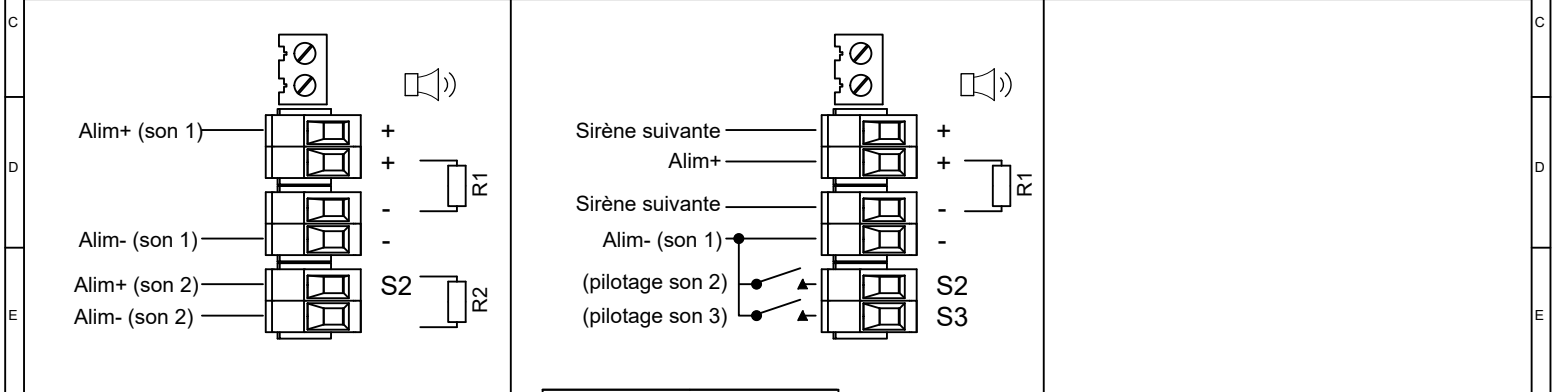
ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE		A3
TITLE A112N & A121 DC SOUNDER WIRING DIAGRAMS		
SCALE	SHEET	DRAWING NUMBER
NTS	2 of 3	D221-06-002

OPTION: RÉSISTANCE POUR LA SURVEILLANCE DE LIGNE :
NON FOURNIE - VALEURS MINIMALES RECOMMANDÉES:
14V MAX = 120Ω MIN, 24V 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


Configuration pour 2 sons	Config.: 4	Configuration pour activation sans tension de 2/3 sons	Config.: 5
Surveillance de ligne (utiliser des relais / modules adaptés) Ne pas utiliser pour la surveillance par inversion de polarité		Positionner H1 & H2 sur pilotage via Alim- (voir ci-dessous)	

Son 1 : alimenter Alim+ (son 1) et Alim- (son 1) Son 2 : alimenter Alim+ (son 2) et Alim- (son 2)	Alimenter Alim+ et Alim- Son 1 : connecter Alim- à S2 Son 2 : connecter Alim- à S3 Son 3 : connecter Alim- à S2 et S3
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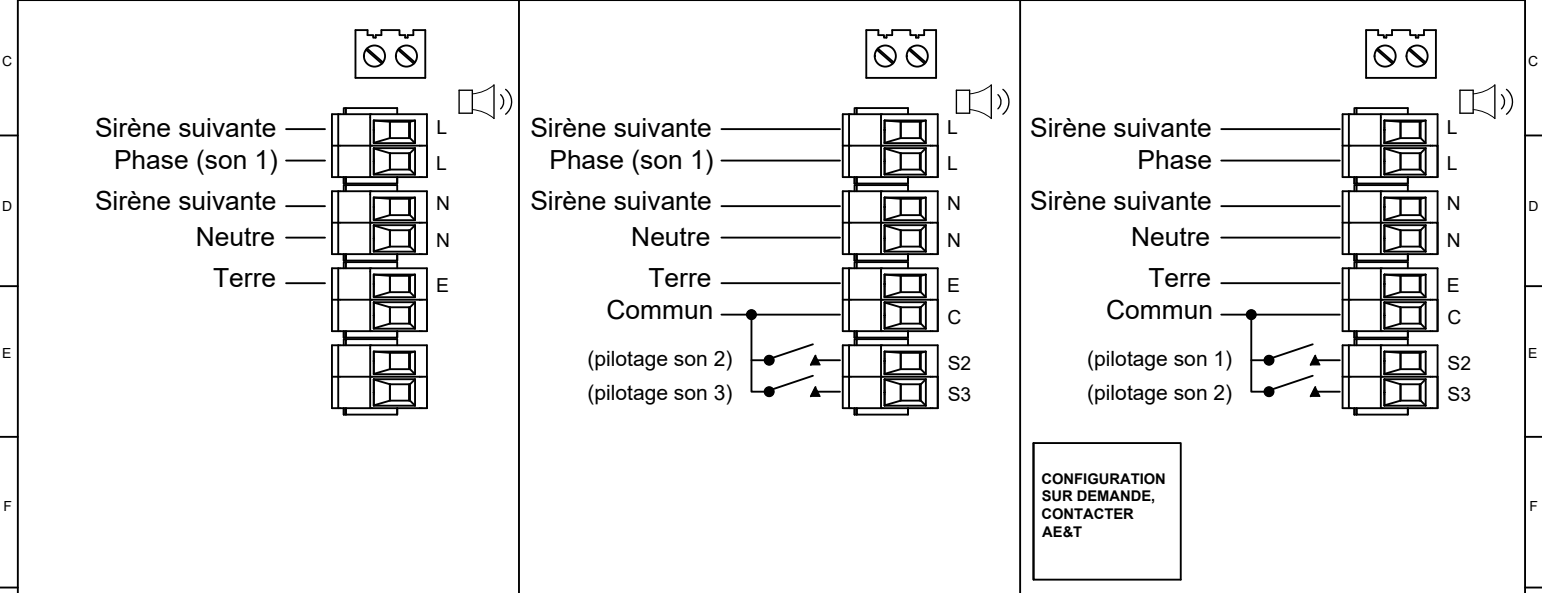


DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	DATE	SURFACE FINISH	WEIGHT (Kg)	THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.	 <small>EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD ACTON LONDON W3 7QH WWW.E2S.COM</small>	ALL DIMENSIONS IN MM		A3
	CHECKED	DATE	MATERIAL	IF IN DOUBT, ASK - DO NOT SCALE					
	STANDARDS	DATE	ALTERNATIVE MATERIAL	TITLE A112N & A121 DC SOUNDER WIRING DIAGRAMS					
ALERTALARM RANGE	APPROVED	DATE			 <small>EUROPEAN SAFETY SYSTEMS LTD AS PER LATEST DATE OF ISSUE SHOWN ABOVE</small>		SCALE	SHEET	DRAWING NUMBER
	R.N.POTTS	25/06/2021					NTS	3 of 3	D221-06-002



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

 CONTACTS POUR LA SÉLECTION
DES SONS NON INCLUS

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



**CONFIGURATION
SUR DEMANDE,
CONTACTER
AE&T**

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	 warning signals 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	TITLE A112N & A121 AC WIRING DIAGRAMS					
		APPROVED R.N.POTTS	DATE 25/06/2021	ALTERNATIVE MATERIAL	SCALE NTS			SHEET 1 of 1		

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