1

Alert Alarm

D112 Metal Sounder
45 Selectable Tones & 3 Stages
Temp: -40°C/°F to +65°C/+131°F
Unit weight: ac = 2.1Kg; dc = 1.8Kg

CE, UKCA
IP Rating: Type 4 / 4X / 3R / 13, IP66

D112

Dimensions : 180 x 130 x 125mm
1.5mm² terminals
Cable entry: 2-off M20 x 1.5mm threaded holes.

Order code	Voltage Range	Nominal Voltage	Nominal Current
D112DC024AA0A1[X]	10-30 V dc	24 V dc	200mA
D112DC048AA0A1[X]	35-60 V dc	48 V dc	120mA
D112AC024AA0A1[X]	24 ±10% V ac	24 V ac	50mA
D112AC115AA0A1[X]	115 ±10% V ac	115 V ac	100mA
D112AC230AA0A1[X]	230 ±10% V ac	230 V ac	60mA

[X] Denotes Body Colour: R = Red; G = Grey; D = Dark Grey
[Y] Denotes Lens Colour. A = Amber; B = Blue; C = Clear; G = Green; R = Red; Y = Yellow

Tel : +44 (0)2 8743 8880
www.e2s.com

2

⚠ 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.

3

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 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
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 Australian 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

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

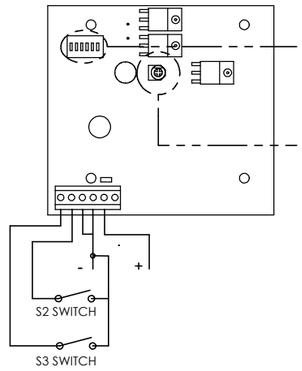
Tone Selection / Switch Setting - Switch settings are shown in the tone selection table. Black squares are the switch levers in the ON positions

Reverse Polarity Switching - On DC versions the second stage alarm tone can be selected by reversing the polarity of the supply voltage if switch 6 is in the ON position if Link LK3 is present.

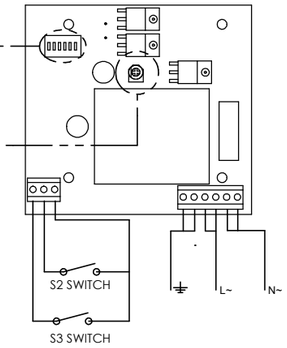
RELATED DRAWING

No modification permitted without reference to "The Authorised Person"

DC CIRCUIT

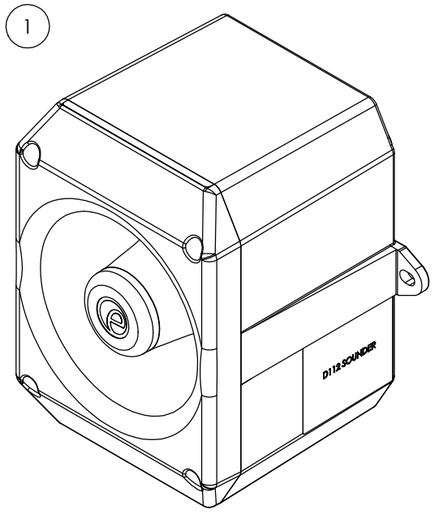


AC CIRCUIT

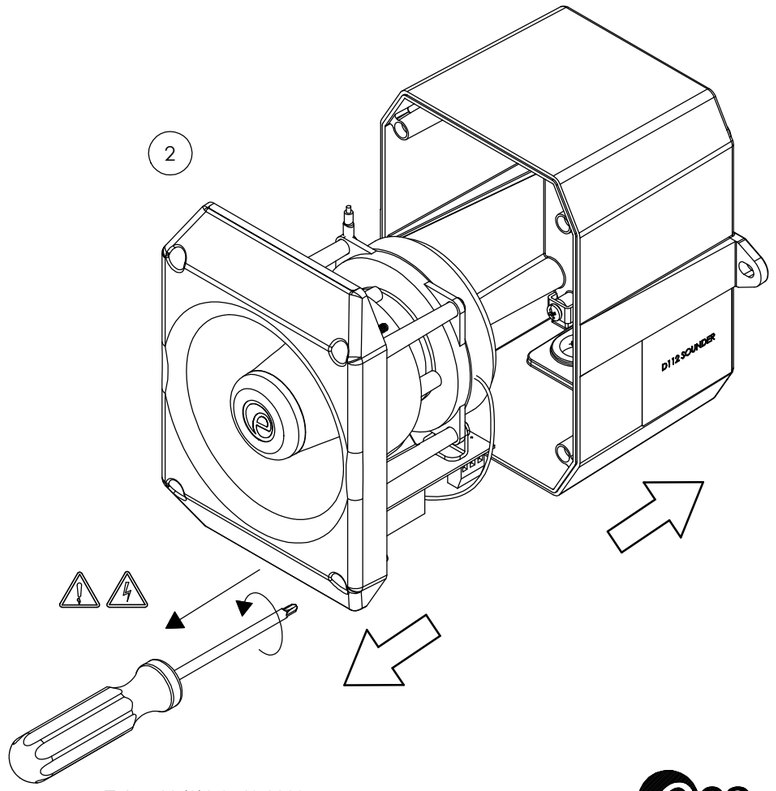


4 Alert Alarm
D112

1



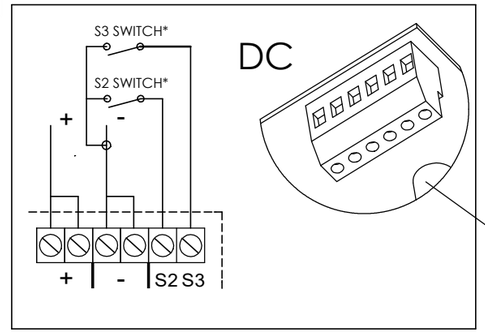
2

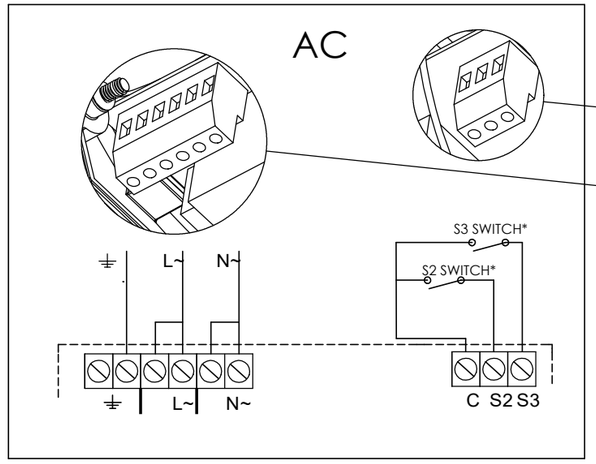


Tel : +44 (0)2 8743 8880
www.e2s.com

e2s warning signals

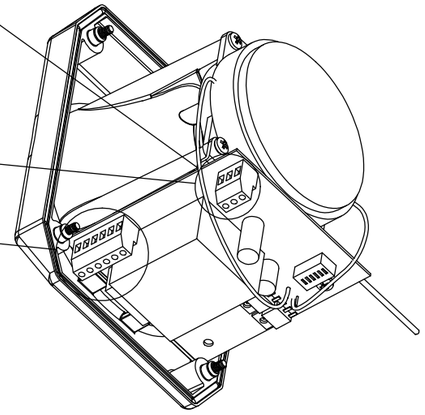
6





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

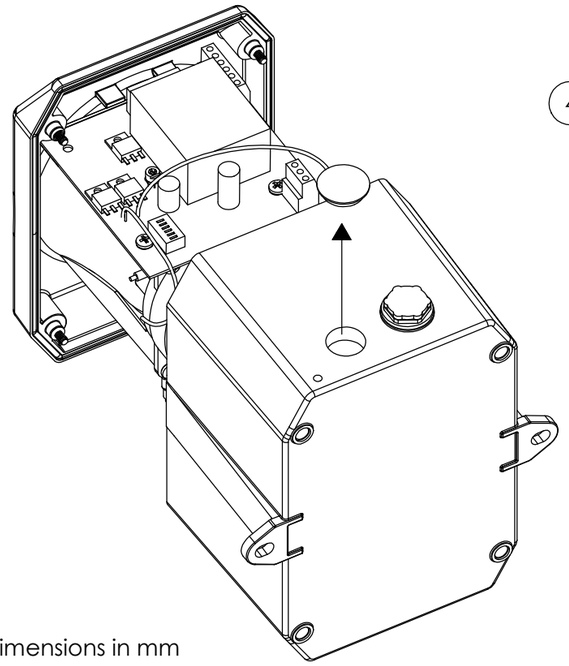
5 CONNECT CABLE AS SHOWN



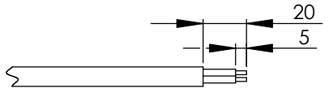
*S2 & S3 Denote Stage 2 & Stage 3 respectively
Stage switches are customer supplied

5

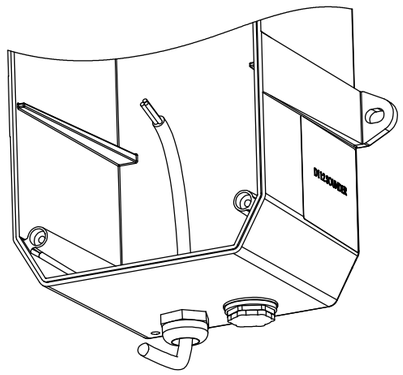
3



Dimensions in mm

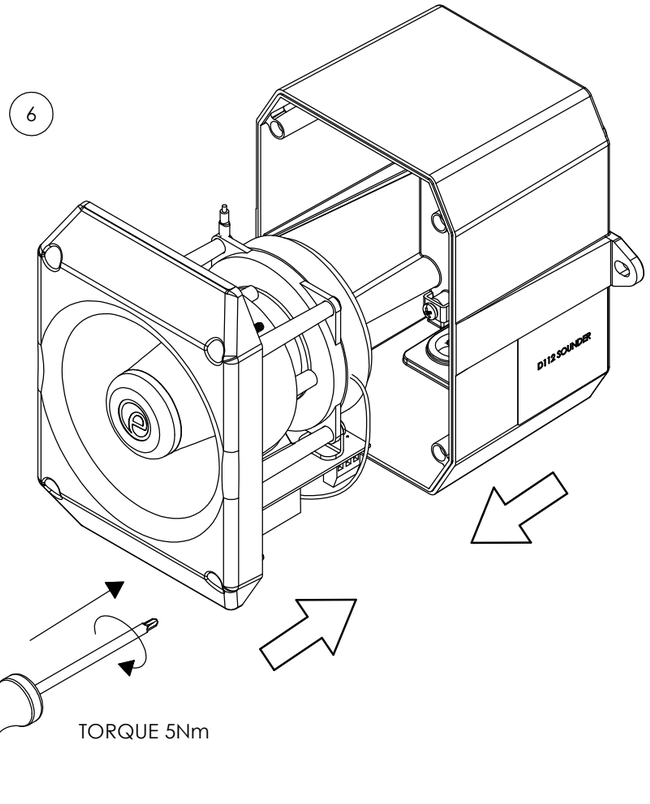


4 INSERT CABLE THROUGH SUITABLY SIZED M20 CABLE GLAND, CUSTOMER SUPPLIED, THEN STRIP CABLE TO LENGTH.



7

6



TORQUE 5Nm

RELATED DRAWING

No modification permitted without reference to "The Authorised Person"