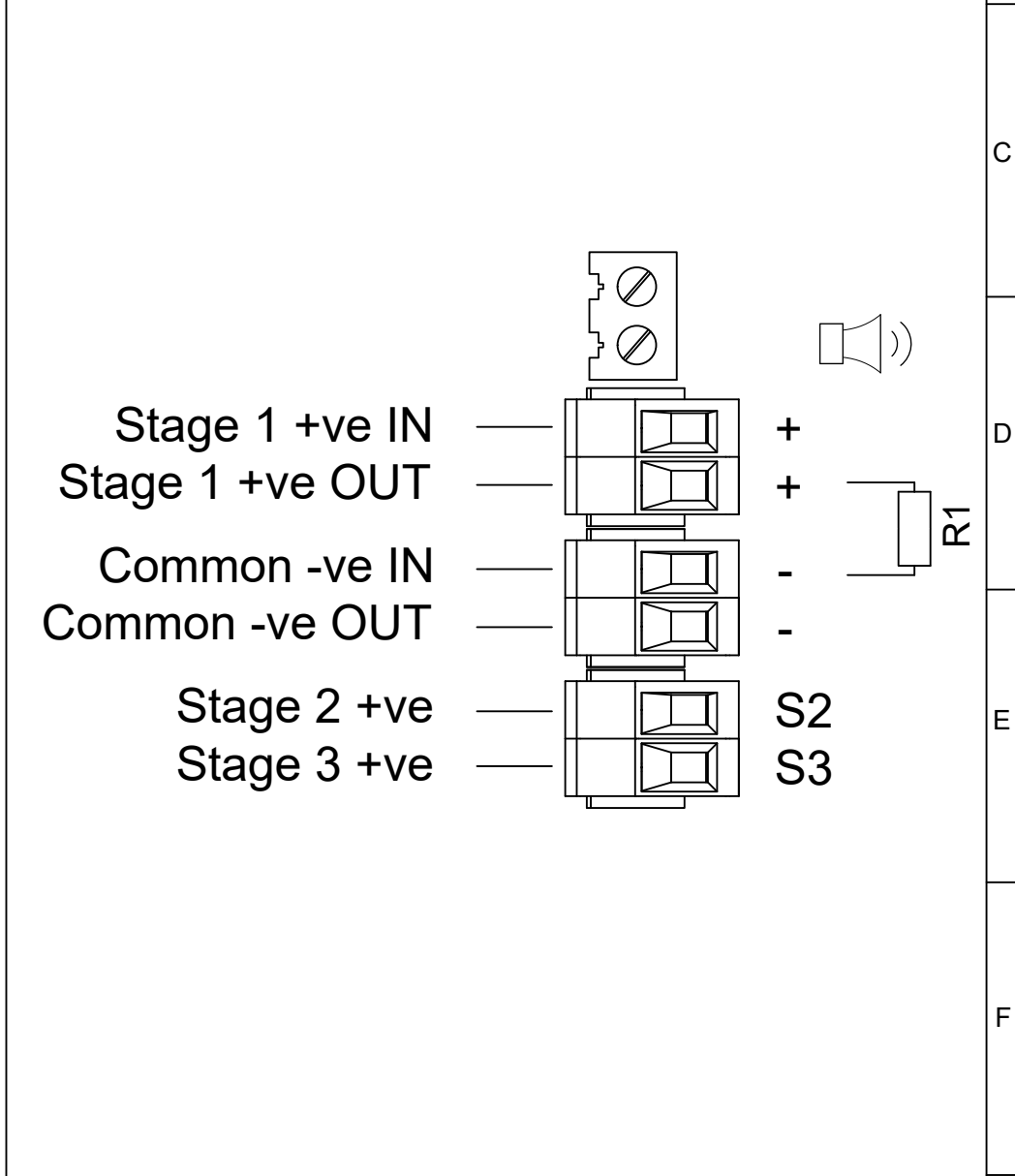
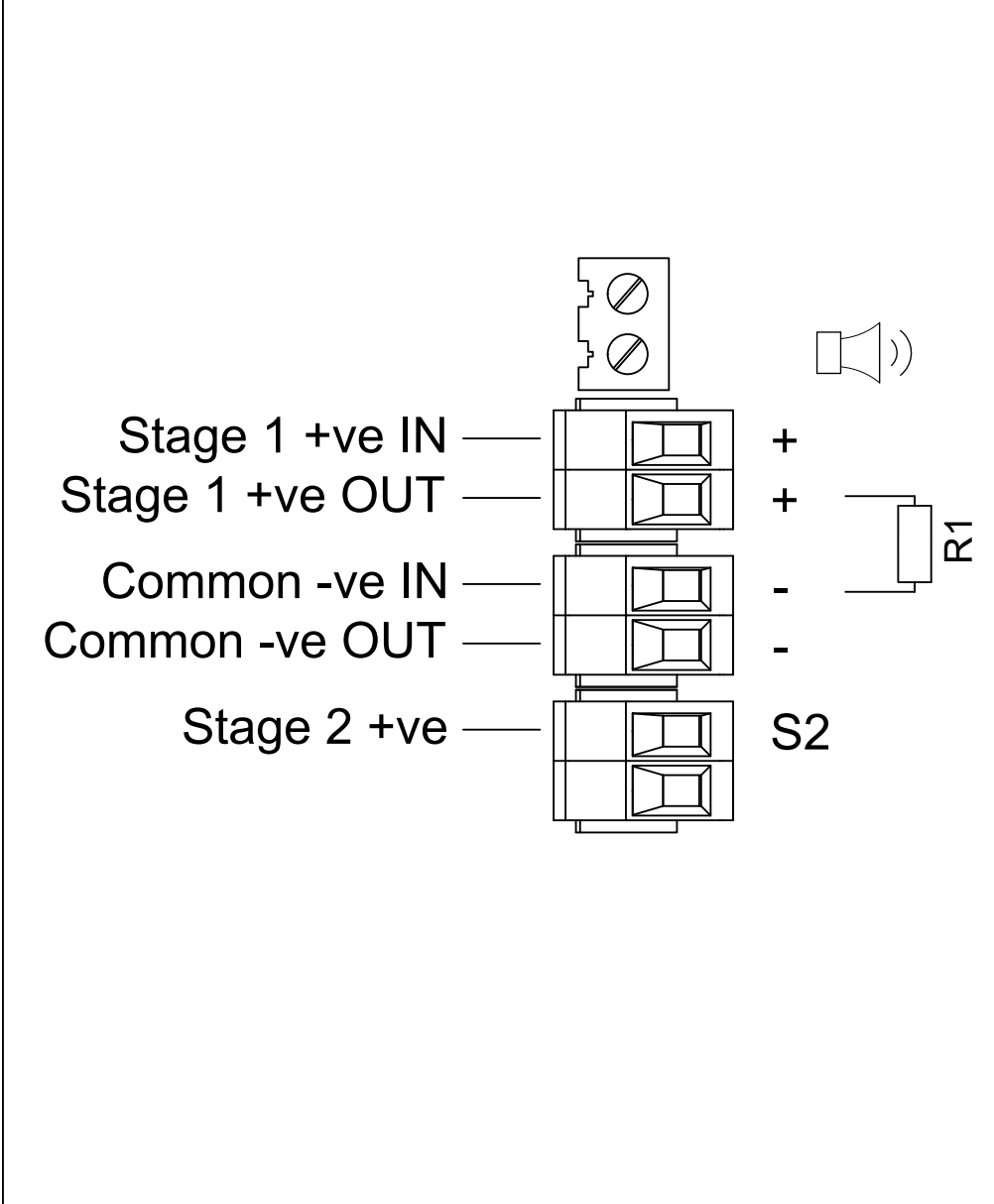
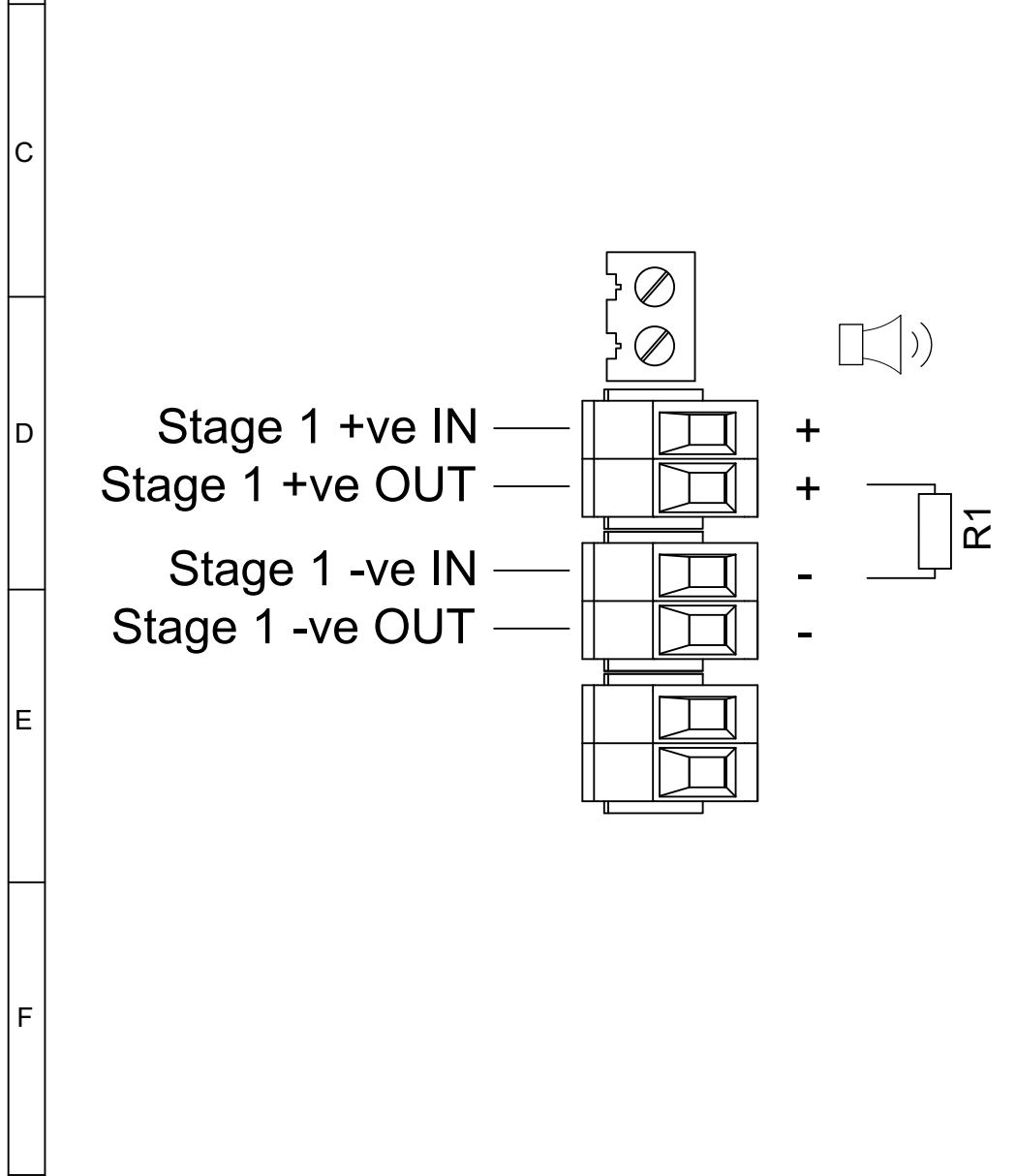


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							ISSUE	MOD No.	REASON - INITIAL - DATE
							1		INTRODUCTION RSR - 06/09/2023
							2		AMENDED EOL VALUES RSR - 13/10/2023

OPTIONAL LINE MONITORING RESISTOR, CUSTOMER SUPPLIED,
RECOMMENDED MINIMUM VALUES:
24V MAX SYSTEM = 3K9Ω MIN, 0.5W MIN OR 1KΩ MIN, 2.0W MIN
48V MAX SYSTEM = 15KΩ MIN, 0.5W MIN OR 3K9Ω MIN, 2.0W MIN

Single Stage Configuration	Config.: 1a	Two Stage Configuration	Config.: 1b	Three/Four Stage Configuration	Config.: 1c
Line Monitoring Set to positive switching (default)		Common Negative Set to positive switching (default)		Common Negative Set to positive switching (default)	
Stage 1: Apply Power to Stage 1 +ve & Stage 1 -ve		Stage 1: Apply Power to Stage 1 +ve & Common -ve Stage 2: Apply Power to Stage 2 +ve & Common -ve		Stage 1: Apply Power to Stage 1 +ve & Common -ve Stage 2: Apply Power to Stage 2 +ve & Common -ve Stage 3: Apply Power to Stage 3 +ve & Common -ve Stage 4: Apply Power to Stage 2 +ve, Stage 3 +ve & Common -ve	



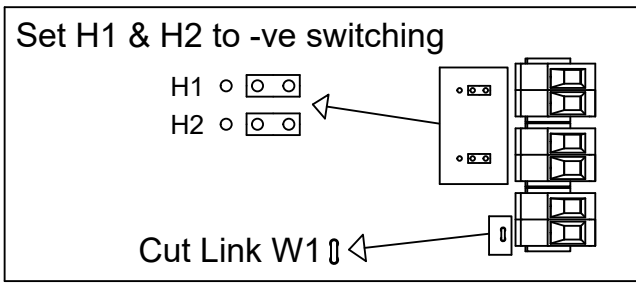
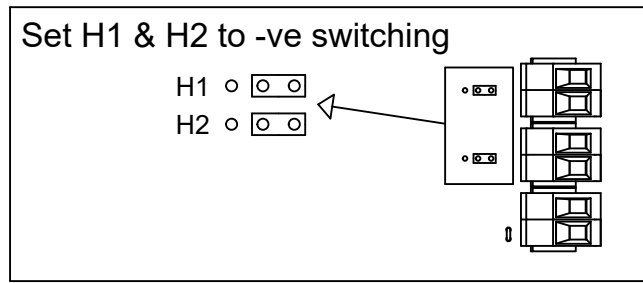
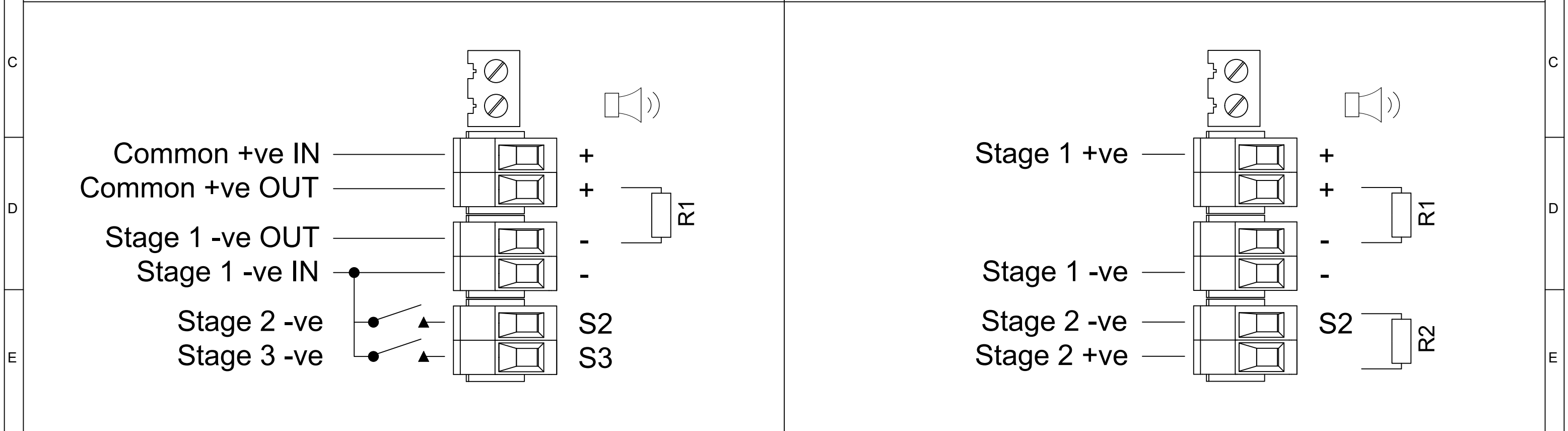
DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	DATE	SURFACE FINISH	WEIGHT (Kg)	THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.	 EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD ACTON LONDON W3 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM			A3
	R.S.RAIT	19/01/2022					MATERIAL			
	CHECKED	DATE	ALTERNATIVE MATERIAL				SCALE	SHEET	DRAWING NUMBER	
	B.ISARD	19/01/2022					NTS	1 OF 3	D252-06-001	
STANDARDS	APPROVED	DATE								
D2x	R.N.POTTS	19/01/2022								

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							ISSUE	MOD No.	REASON - INITIAL - DATE
							1		INTRODUCTION RSR - 06/09/2023
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SWITCHES FOR STAGE OPERATION
CUSTOMER SUPPLIED

Three/Four Stages. Voltage Free 2nd, 3rd & 4th Stage Activation Configuration				Config.: 2	Two Stage Configuration				Config.: 3
Common Positive Customer Set H1 & H2 to Negative Switching (See Below)				Independent Stage Input Reverse Polarity Stage Monitoring					
Stage 1: Apply Power to Common +ve & Stage 1 -ve Stage 2: Apply Power to Common +ve & Stage 1 -ve & connect Stage 2 -ve to Stage 1 -ve Stage 3: Apply Power to Common +ve & Stage 1 -ve & connect Stage 3 -ve to Stage 1 -ve Stage 4: Apply Power to Common +ve & Stage 1 -ve & connect Stage 2 -ve & Stage 3 -ve to Stage 1 -ve				Stage 1: Apply Power to Stage 1 +ve & Stage 1 -ve Stage 2: Apply Power to Stage 1 +ve & Stage 1 -ve & connect Stage 2 -ve to Stage 1 -ve					



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.	 EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD ACTON LONDON W3 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM			A3
	R.S.RAIT	19/01/2022	MATERIAL				IF IN DOUBT, ASK - DO NOT SCALE			
	CHECKED	DATE	ALTERNATIVE MATERIAL				SCALE	SHEET	DRAWING NUMBER	
	B.ISARD	19/01/2022					NTS	2 OF 3	D252-06-001	
STANDARDS	APPROVED	DATE								
D2x	R.N.POTTS	19/01/2022								

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SWITCHES FOR STAGE OPERATION
CUSTOMER SUPPLIED

Two Stage Configuration	Config.: 4	Two/Three Stage Voltage Free Activation Configuration	Config.: 5	Three/Four Stage Configuration	Config.: 6
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Line Stage Monitoring (Use suitable monitoring relays/modules)
Not to be used for reverse polarity monitoring

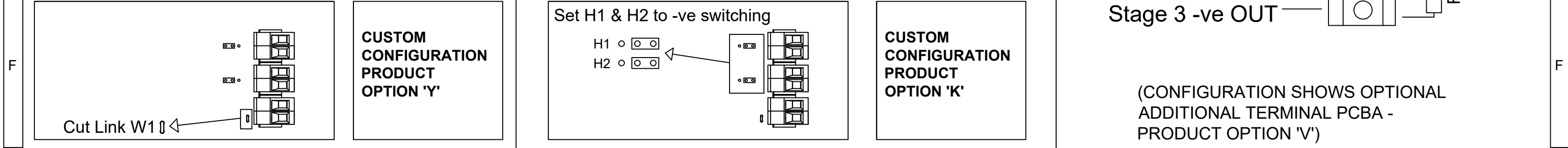
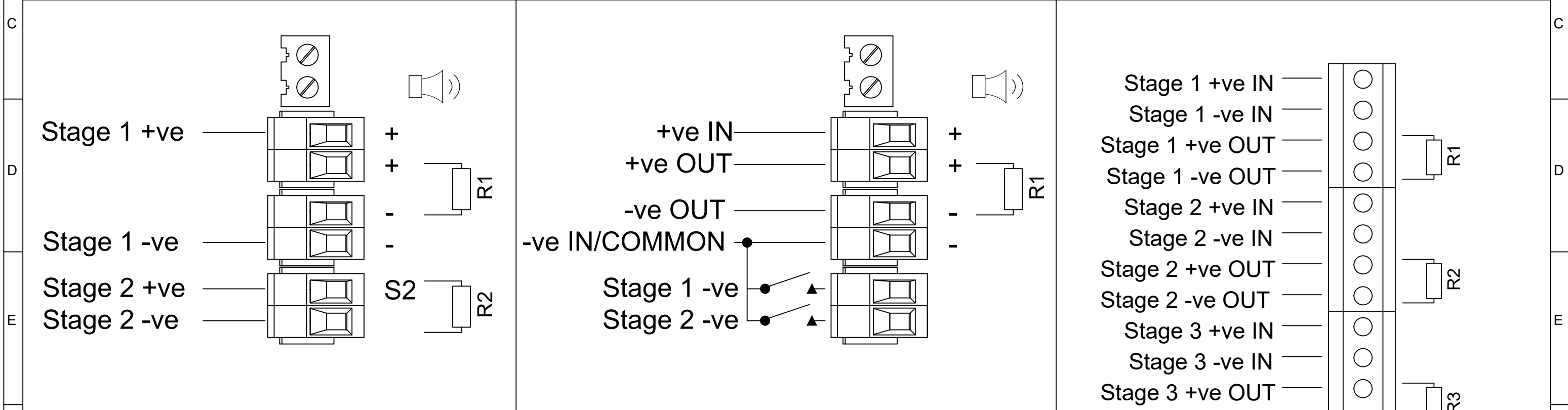
Customer Set H1 & H2 to Negative Switching (See Below)

Independent Stage Input
Line Stage Monitoring (use suitable monitoring relays/modules)
Set to positive switching (default)

Stage 1: Apply Power to Stage 1 +ve & Stage 1 -ve
Stage 2: Apply Power to Stage 2 +ve & Stage 2 -ve

Power: +ve & -ve
Stage 1: Connect Stage 1 -ve to Common -ve
Stage 2: Cconnect Stage 2 -ve to Common -ve
Stage 3: Connect both Stage 1 -ve & Stage 2 -ve to Common -ve

Stage 1: Apply Power to Stage 1 +ve & Stage 1 -ve
Stage 2: Apply Power to Stage 2 +ve & Stage 2 -ve
Stage 3: Apply Power to Stage 3 +ve & Stage 3 -ve
Stage 4: Apply Power to Stage 2 +ve & Stage 2 -ve
& Apply Power to Stage 3 +ve & Stage 3 -ve



DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN R.S.RAIT	DATE 19/01/2022	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 IMPRESS HOUSE MANSELL ROAD ACTON LONDON W3 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE	 A3
	CHECKED B.ISARD	DATE 19/01/2022	MATERIAL	TITLE D2xS2 DC SOUNDER WIRING DIAGRAMS				
	STANDARDS D2x	APPROVED R.N.POTTS	DATE 19/01/2022	ALTERNATIVE MATERIAL			SCALE NTS	