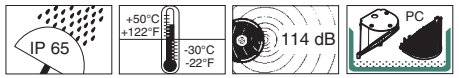
WERMA SIGNALTECHNIK **144, 444**

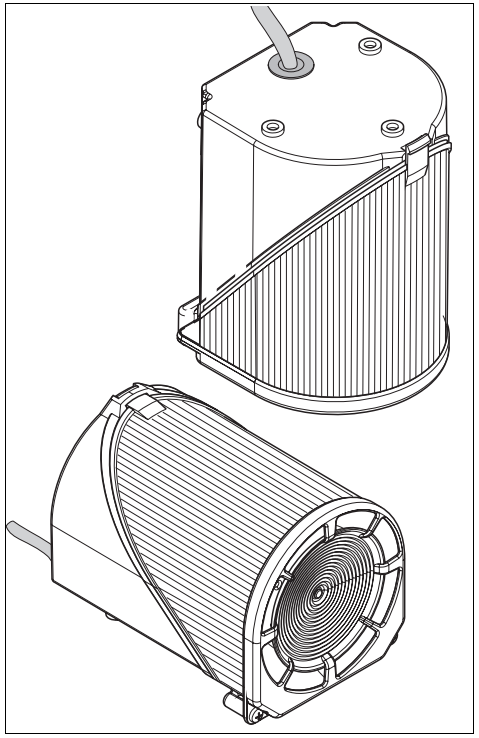
CE

IEC 62080,
EN 54-3, 33404-3



144 000 75 | 144 000 68 | 444 x00 75 | 444 x00 68





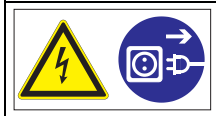
310.444.001.0109 © Ⓓ

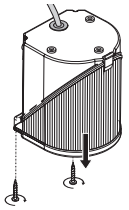
WERMA SIGNALTECHNIK

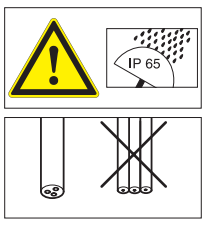
WERMA Signaltechnik GmbH + Co. KG
D-78604 Rietheim-Weilheim
Telefon +49 (0)7424 / 9557-0
Telefax +49 (0)7424 / 9557-44
info@werma.com
www.werma.com

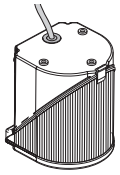


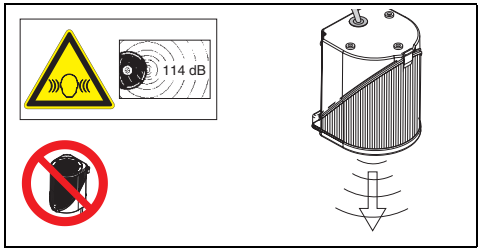
Ⓓ Anschluss **ausschließlich** durch ausgebildete Elektro-Fachkräfte.
ⒼⒷ Electrical connection is to be made by trained electrical specialists **only**.
Ⓕ Le branchement doit **uniquement** être effectué par des professionnels.
Ⓘ Il collegamento deve essere eseguito **solo** da elettricisti specializzati.
Ⓔ La conexión **sólo** debe ser realizada por electricistas debidamente formados.
ⓅⓉ A ligação deve ser feita **exclusivamente** por profissional eléctrico especializado.
ⓃⓁ De aansluiting mag **enkel** gebeuren door erkende vakmensen.
ⓒⓩ Připojení smí **provádět** pouze kvalifikovaný personál.
ⓅⓁ Podłączenie **wyłącznie** przez specjalistów-elektryków.
ⒻⒾ Liittäminen kuuluu **ainoastaan** koulutettujen sähköalan ammattilaisten tehtäviin.
ⓇⓊⓈ Подключение проводится только специалистом-электриком.
ⓉⓇ Bağlantı **sadece** eğitimli elektrik teknisyenleri tarafından yapılmalıdır.
ⒸⓃ 布线需由专业电工执行











144 000 67	115 V~, 50 Hz/60 Hz
144 000 68	115/230 V~, 50 Hz/60 Hz
144 000 75	24 V=, < 0,5 A
444 x00 67	115 V~, 50 Hz/60 Hz
444 x00 68	230 V~, 50 Hz/60 Hz
444 x00 75	24 V=, < 0,5 A

I (U)

24 V=	60 mA	
24 V=		100 mA
115 V~	30 mA	
115 V~		55 mA
230 V~	30 mA	
230 V~		30 mA



(vgl. Abb. 4,8 / see Fig. 4,8 / ref. Ill 4,8)

Ton Tone Ton 1	Code 12345	Tonart Tone type Tonalité	Frequenz Frequencies Fréquence	Beschreibung Description Déscription	Einsatz Use Utilisation	Ton Tone Ton 2	Ton Tone Ton 3
1	00000	Dauerton, continuous, continu	200		BS 5839-1: 2002, VDS	440Hz cont.	554Hz cont.
2	00001	ansteigend, rising, montant	800 & 970	7Hz		14	800Hz cont.
3	00010	ansteigend, rising, montant	800 & 970	1Hz		14	800Hz cont.
4	00011	Dauerton, continuous, continu	2850			14	9
5	00100	ansteigend, rising, montant	2400 to 2850	7Hz	VDS	4	2400Hz cont.
6	00101	ansteigend, rising, montant	2400 to 2850	1Hz		4	2400Hz cont.
7	00110	ansteigend, rising, montant	500 to 1200	3s, then 0.5s OFF (then repeat)		14	8
8	00111	abfallend, falling, incliné	1200 to 500	1Hz	VDS	14	7
9	01000	alternierend, alternating, alternant	2400 & 2850	2Hz		4	2400Hz cont.
10	01001	pulsierend, pulse, pulsant	970	0.5Hz (1s On/1s Off)	BS 5839 Teil 1 1988	14	800Hz cont.
11	01010	alternierend, alternating, alternant	800 & 970	1Hz	BS 5839 Teil 1 1988	14	800Hz cont.
12	01011	pulsierend, pulse, pulsant	2850	0.5Hz		4	22
13	01100	pulsierend, pulse, pulsant	970	0,25s On/1s Off		14	800Hz cont.
14	01101	Dauerton, Continuous, Continu	970		BS 5839-1: 2002 PFEER - Toxic gas	10	8
15	01110	alternierend, alternating, alternant	554 & 440		France NFS	14	800Hz cont.
16	01111	pulsierend, pulse, pulsant	660	150ms On/ 150ms Off	Swedish	16	14
17	10000	pulsierend, pulse, pulsant	660	1.8s On/ 1.8s Off	Swedish	17	14
18	10001	pulsierend, pulse, pulsant	660	6.5s On/ 13s Off	Swedish	18	14
19	10010	Dauerton, continuous, continu	660		Swedish	19	31
20	10011	alternierend, alternating, alternant	554 & 440	0.5Hz		20	19
21	10100	pulsierend, pulse, pulsant	660	1HZ	Swedish	21	4
22	10101	pulsierend, pulse, pulsant	2850	150ms On/ 100ms Off	GB	14	4
23	10110	ansteigend, rising, montant	800 to 970	50Hz (niedrig, low, faible)	BS 5839 Teil 1 1988	14	800Hz cont.
24	10111	ansteigend, rising, montant	2400 to 2850	50Hz (hoch, high, fréquence élevée)		4	2400Hz cont.
25	11000	pulsierend, pulse, pulsant	970	3x500ms ON/500ms OFF 1,5s Pause, dann Wiederholung, 3x500ms ON/ 500ms OFF 1.5s silence then repeat 3x500ms ON/ 500ms OFF 1,5s de pause et ensuite répétition (niedrig, low, faible)	ISO 8201/ US Temporal	26	14
26	11001	pulsierend, pulse, pulsant	2850	3x500ms ON/500ms OFF 1,5s Pause, dann Wiederholung, 3x500ms ON/ 500ms OFF 1.5s silence then repeat 3x500ms ON/ 500ms OFF 1,5s de pause et ensuite répétition (hoch, high, fréquence élevée)	ISO 8201/ US Temporal	25	4
27	11010	Dauerton, continuous, continu	4000			27	6
28	11011	ansteigend, rising, montant	2000 to 2850	7Hz		2000 Hz cont.	4
29	11100	alternierend, alternating, alternant	988 & 645	2Hz		988Hz cont.	645Hz cont.

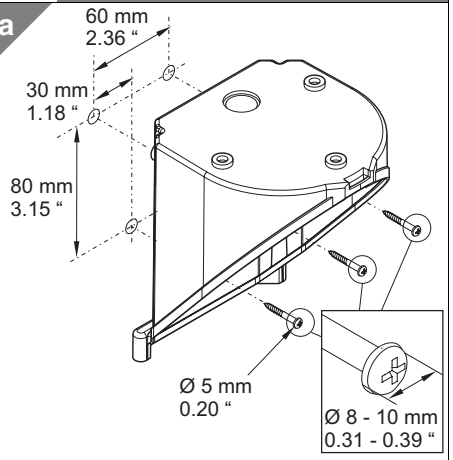
30	11101	alternie-rend, alter-nating, alternant	510 & 610	2Hz		510Hz cont.	610Hz cont.
31	11110	alternie-rend, alter-nating, alternantt	800 & 970	2Hz	5839-1: 2002	800 cont.	14
32	11111	alternie-rend, alter-nating, alternant	800 & 1200	1Hz		800 cont.	1200Hz cont.



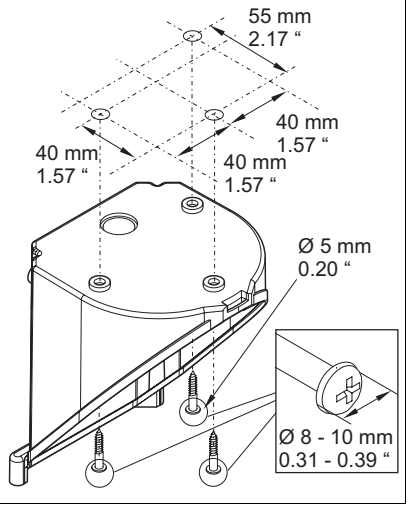
1

1a - 144, 444
1b - 144, 444

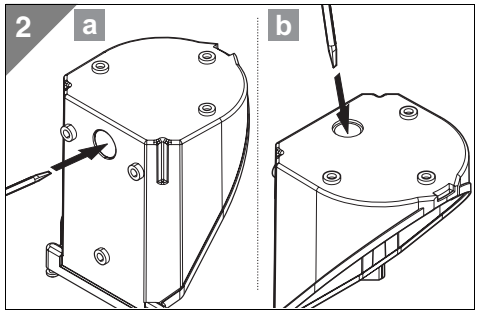
1a



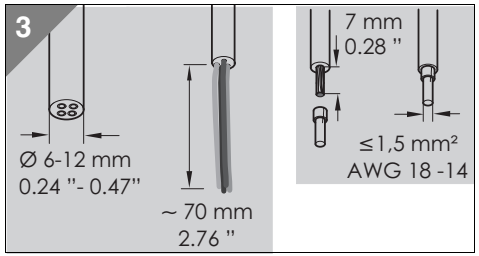
1b



2



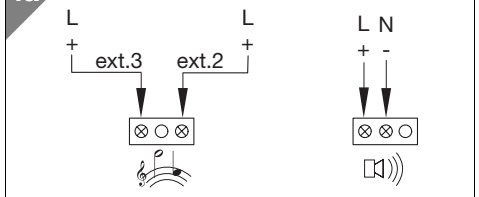
3



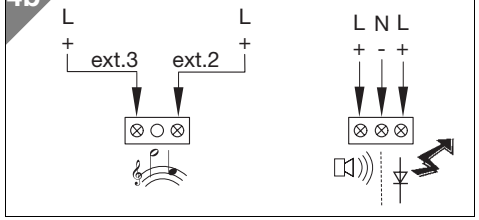
4

4a - 144 000 75, 144 000 68, 144 000 67
4b - 444 x00 75, 444 x00 68, 444 x00 67

4a



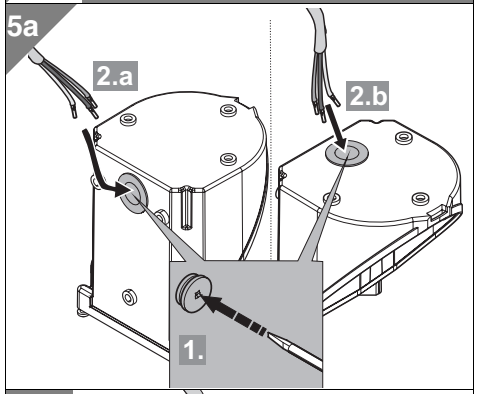
4b



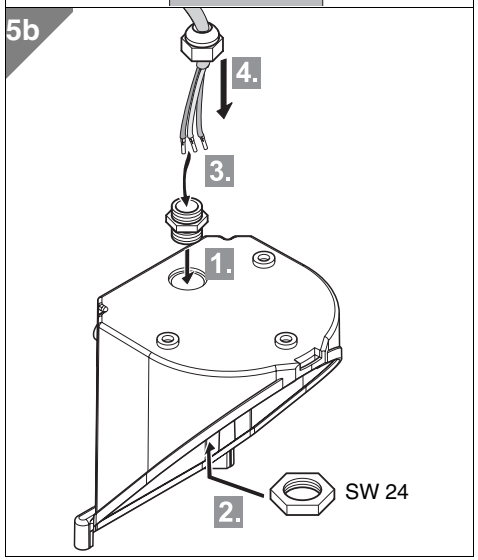
5

5a - 144, 444
5b - 144, 444 + 975 444 01

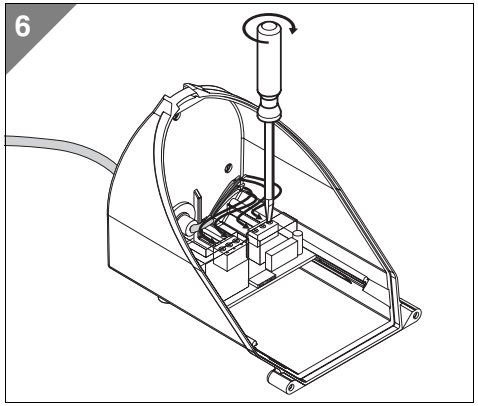
5a



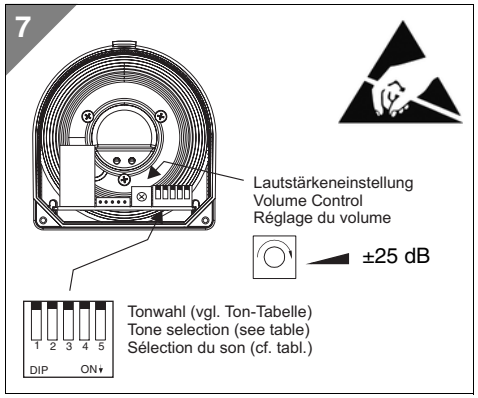
5b



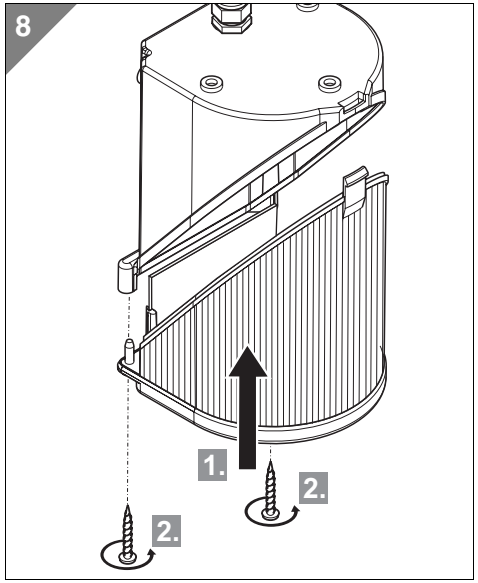
6



7



8



WERMA SIGNALTECHNIK