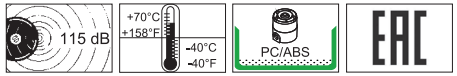
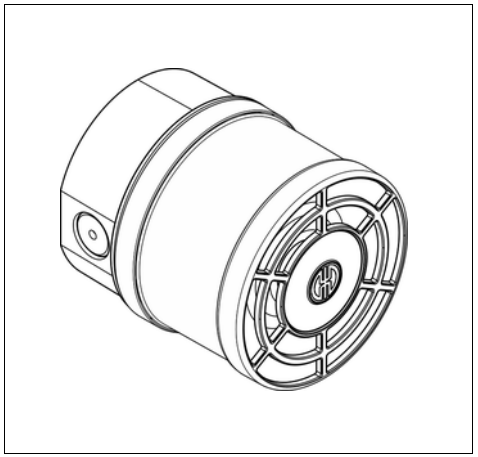
WERMA 140

EN 62080



140 x50 50 140 x50 60





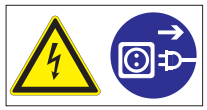
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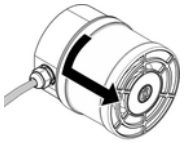
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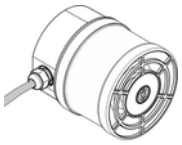


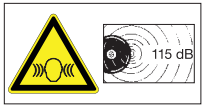
(D) Anschluss **ausschließlich** durch ausgebildete Elektro-Fachkräfte.
(GB) Electrical connection is to be made by trained electrical specialists **only**.
(F) Le branchement doit **uniquement** être effectué par des professionnels.
(I) Il collegamento deve essere eseguito **solo** da elettricisti specializzati.
(E) La conexión **sólo** debe ser realizada por electricistas debidamente formados.
(PT) A ligação deve ser feita **exclusivamente** por profissional elétrico especializado.
(NL) De aansluiting mag **enkel** gebeuren door erkende vakmensen.
(CZ) Připojení smí **provádět** pouze kvalifikovaný personál.
(PL) Podłączenie **wyłącznie** przez specjalistów-elektryków.
(FI) Liittäminen kuuluu **ainoastaan** koulutettujen sähköalan ammattilaisten tehtäviin.
(RUS) Подключение проводится только специа-листом-электриком.
(TR) Bağlantı **sadece** eğitimli elektrik teknisyenleri tarafından yapılmalıdır.
(CN) 布线需由专业电工执行



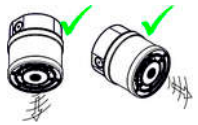














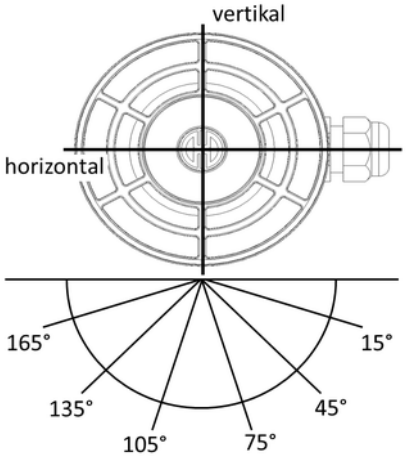
140 x50 50	9 ... 28 VDC, max. 120 mA
140 x50 60	115 ... 230 V AC, max. 40 mA



(vgl. Abb. 6,7 see Fig. 6,7 Ref. III 6,7)

Code 12345	Ton Tone Ton A	Tonart Tone type Tonalité	Beschreibung Description Déscription	Lautstärke Volume Intensité [dBA]±2dB 12 V	 24V	Ton Tone Ton B
00000	1	alternierend/alternating/alternant 800/970Hz im 2Hz-Takt/2Hz stroke/cycle	BS5839-1:2002	101	105	14
00001	2	ansteigend/rising/montant 800/970Hz im 7Hz-Takt/7Hz stroke/cycle		103	107	14
00010	3	ansteigend/rising/montant 800/970Hz im 1Hz-Takt/1Hz stroke/cycle	BS5839-1:2002	104	108	14
00011	4	Dauerton/continuous tone/continu 2850Hz		110	115	14
00100	5	ansteigend/rising/montant 2400-2850Hz im 7Hz-Takt/7Hz stroke/cycle		108	114	4
00101	6	ansteigend/rising/montant 2400-2850Hz im 1Hz-Takt/1Hz stroke/cycle		109	115	4
00110	7	ansteigend/rising/montant 500-1200Hz:3s/AUS/OFF/ARRÊT:0.5s		100	104	14
00111	8	abfallend/falling/incliné 1200-500Hz im 1Hz-Takt/1Hz stroke/cycle		99	104	14
01000	9	alternierend/alternating/alternant 2400/2850Hz im 2Hz-Takt/2Hz stroke/cycle		108	115	4
01001	10	pulsierend/pulse/pulsant 970Hz im 0,5Hz-Takt/0.5Hz stroke/cycle		98	105	14
01010	11	alternierend/alternating/alternant 800/970 Hz im 1Hz Takt/1Hz stroke/cycle		100	105	14
01011	12	pulsierend/pulse/pulsant 2850Hz im 0,5Hz-Takt/0.5Hz stroke/cycle		107	114	4
01100	13	970Hz getaktet/cyclical/en cadence: 1/4s AN/ON/MARCHE, 1s AUS/OFF/ARRÊT		96	105	14
01101	14	Dauerton/continuous tone/continu 970Hz	BS5839-1:2002	101	105	15
01110	15	554Hz für/for/pour 100 ms und/and/et 440Hz für/for/pour 400 ms	Französisches Brandmelde-signal/Système d'alert francais	97	102	14
01111	16	pulsierend/pulse/pulsant 660Hz 150ms AN/ON/MARCHE 150ms AUS/OFF/ARRÊT		97	101	17
10000	17	pulsierend/pulse/pulsant 660Hz für/for/pour 1.8s AN/ON/MARCHE, 1.8s AUS/OFF/ARRÊT		97	103	16
10001	18	pulsierend/pulse/pulsant 660Hz für/for/pour 6.5 s AN/ON/MARCHE, 13s AUS/OFF/ARRÊT		99	103	14
10010	19	Dauerton/continuous tone/continu 660Hz		99	103	21
10011	20	alternierend/alternating/alternant 554/440 Hz im/in 0,5Hz-Takt/0.5Hz stroke/cycle		99	103	21
10100	21	pulsierend/pulse/pulsant 660Hz im 1Hz-Takt/1Hz stroke/cycle		98	104	19
10101	22	pulsierend/pulse/pulsant 2850Hz 150ms AN/ON/MARCHE, 100ms AUS/OFF/ARRÊT		109	115	14
10110	23	ansteigend/rising/montant 800/970Hz im 50Hz-Takt/ 50Hz stroke/cycle		101	106	14
10111	24	ansteigend/rising/montant 2400-2850Hz im 50Hz-Takt/50Hz stroke/cycle		106	112	4
11000	25	pulsierend/pulse/pulsant 970Hz 1.5s AN/ON/MARCHE, 0.5s AUS/OFF/ARRÊT	ISO 8201 Niedrige Frequenz/low frequency/fréquence basse	101	105	26
11001	26	pulsierend/pulse/pulsant 2850Hz 01.5s AN/ON/MARCHE, 0,5 s. AUS/OFF/ARRÊT	ISO 8201 Hohe Frequenz/high frequency/fréquence haute	109	115	25
11010	27	alternierend/alternating/alternant 970/800 Hz 1.5s AN/ON/MARCHE, 0.5s AUS/OFF/ARRÊT		96	105	17
11011	28	alternierend/alternating/alternant 800/970 Hz im 2Hz-Takt/2Hz stroke/cycle	BS 5839-1:2002	99	105	10
11100	29	alternierend/alternating/alternant 988/645 Hz im 2Hz-Takt/2Hz stroke/cycle		99	104	988 Hz[1)]
11101	30	alternierend/alternating/alternant 510/610 Hz im 2Hz-Takt/2Hz stroke/cycle		97	102	510 Hz[1)]
11110	31	abfallend/falling/incliné 1200-300Hz im 1Hz-Takt/1Hz stroke/cycle		99	104	13
11111	32	alternierend/alternating/alternant 510/610 Hz im 1Hz-Takt/1Hz stroke/cycle		97	102	510 Hz[1)]

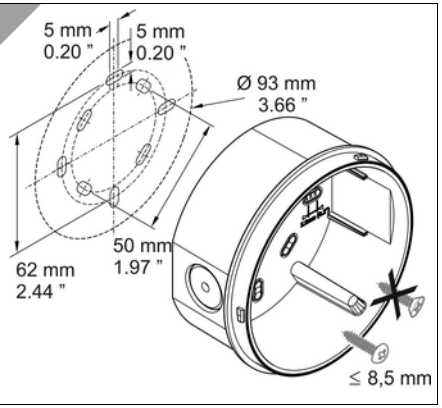
[1)] Dauerton/continuous tone/tone continu



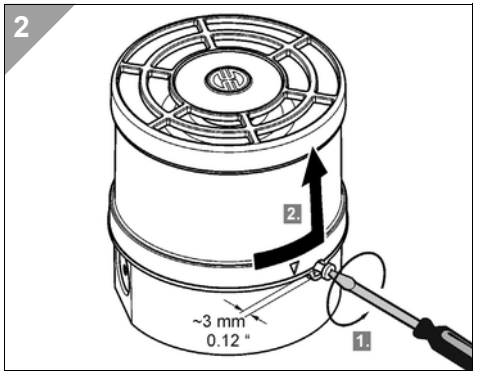
	[dB] in 1 m	Ton 3			Ton 8		
		9 V	13,5 V	28 V	9 V	13,5 V	28 V
horizontal	15°	80	85	89	80	85	89
	45°	86	91	95	87	91	96
	75°	89	95	99	88	94	98
	105°	89	95	100	89	94	99
	135°	86	92	96	87	92	96
	165°	79	85	88	79	85	89
vertikal	15°	80	85	87	80	84	89
	45°	86	91	95	86	92	97
	75°	89	95	100	89	94	98
	105°	89	95	100	89	94	99
	135°	87	91	95	87	92	96
	165°	79	84	88	79	85	89



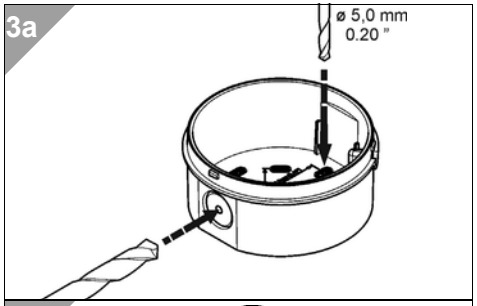
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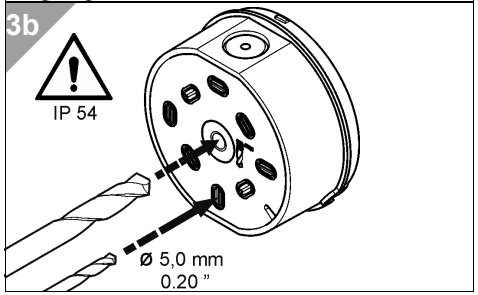
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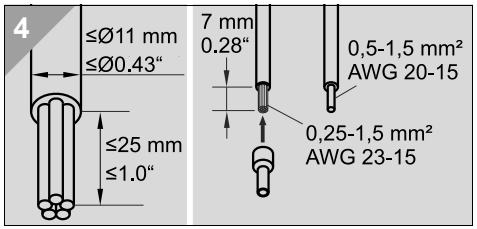
3a



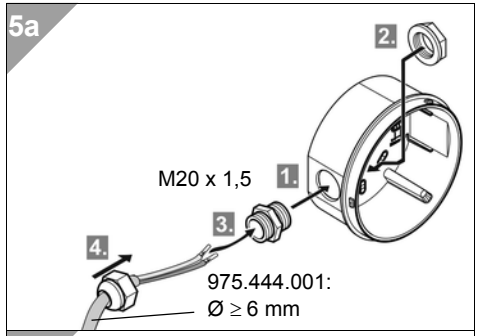
3b



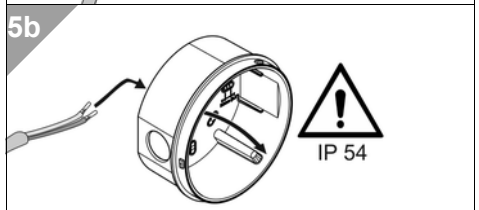
4



5a



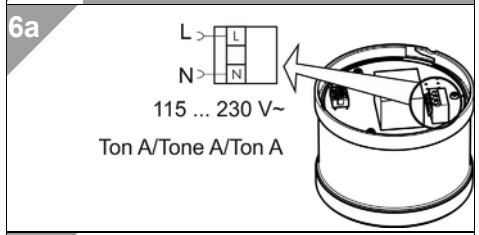
5b



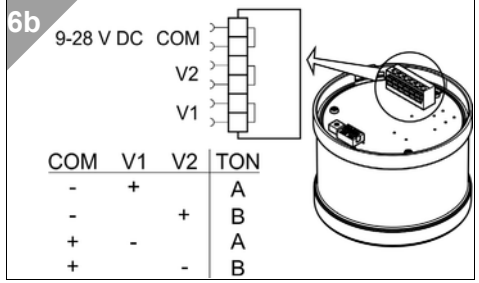
6

6a - 140 x50 60
6b - 140 x50 50

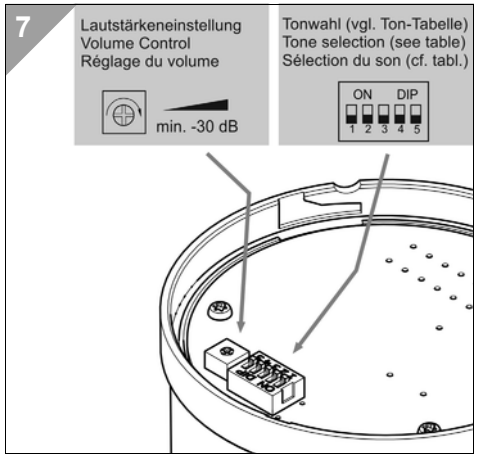
6a



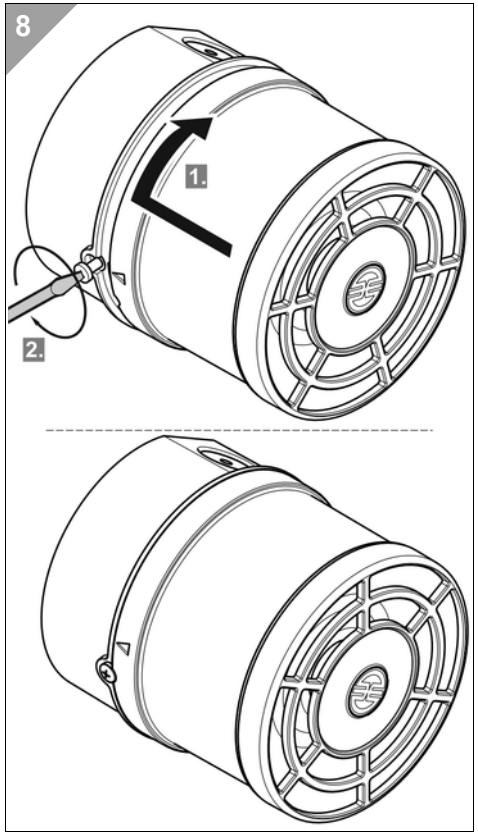
6b



7



8



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