

# Component specification

**G-FIRE A**

Index

Siren

**G – FIRE**

( Multiton - Sirene / Multitone - Sounder )

**G-FIRE COMBI**

( Kombialarm Sirene – Blitzlampe / Combined Sounder – Beacon )

Technische Daten / Technical terms      Bedingungen / Conditions      Werte / Values

**Sirene / Sounder**

Betriebsspannung	/ Operating Voltage		12 – 24 VDC
Stromaufnahme	/ Current Consumption	DIN Ton @ 24 VDC	17 mA ± 3mA
Betriebstemperatur	/ Operating Temperature Range		-40...+80 °C
Gewicht	/ Weight		ca. 0,3 kg
Synchronbetrieb	/ Synchronised Operation		automatically
Schutzart	/ Ingress protection	Shallow Base	IP 54
		Standard Base	IP 65
Höhe	/ Height	Shallow Base	55 mm
		Standard Base	80 mm
Gehäusematerial	/ Housing material	red (RAL 3001), white ( RAL9010)	ABS
Lautstärkeregelung	/ Volume control		- 30 dB
Anzahl Töne	/ No. of tones		32 incl. DIN Tone
Zulassungen	/ Approvals	acc. DIN EN 54-3	G-FIRE G209090
			G-FIRE Combi G209091

LED Status – Indicator      1 Hz / 0,5 Hz / Off

Minimale Schallpegelwerte bei DIN-TON spezifiziert nach EN54-3 ( ausser 90 Grad Angabe )  
 Minimum SPL at DIN-Tone specified acc. to EN54-3 ( except 90 degree value )

SPL bei / at :	90° ( 1m )	15° / 165° ( 1m )	45° / 135° ( 1m )	75° / 105° ( 1m )
12 VDC	94	84	89	94
24 VDC	100	89	95	99

Lautstärke Ton 1 – 25, 27 - 28 : gemessen bei 1 m / 90° ( siehe Tontabelle )  
 SPL for tone 1 – 25, 27 - 28 : measured at 1 m / 90° ( see tone table )

SPL für DIN – Ton bei 1 m/90° : Messwert bei 3 m + 9,54 dB  
 SPL for Din tone at 1 m / 90° : Result at 3 m + 9,54 dB

**Blitzlampe / Beacon**

Blitzfrequenz	/ Flashing frequency		1 Hz / 0,5 Hz
Stromaufnahme	/ Current consumption	durchschn. / average	~ 8 mA
Blitzenergie	/ Flash energy		ca. 2 - 3 Joule
Leuchtmittel	/ Illuminant		LED
Schutzart	/ Ingress protection	Shallow Base	IP 54
		Standard Base	IP 65
Kalottenfarben	/ Lens colours		rot, gelb, grün, blau, klar red, amber, green, blue, clear

<b>GREWUS</b>		dimensions without tolerance:	± 0.3	scale:	
designed by:	Ralf Hinnerichs	11.05.2009	part number: <b>G-FIRE A</b>	index:	Date: 11.05.2009
released by:	Ralf Hinnerichs	11.05.2009		page 1 of 4	
drawing number: <b>399446875</b>					

# Component specification

G-FIRE A

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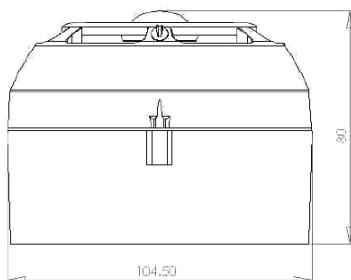
Siren

	Tonart Tone description	Code 12345	2 <sup>nd</sup> tone	Lautstärke SPL dB(A) ± 3dB		Durchschnittliche Stromaufnahme Average Current consumption mA ± 3 mA			
				12 VDC	24 VDC	Sirene		Sirene + Blitzlampe	
						12 VDC	24 VDC	12 VDC	24 VDC
1	800 - 1000Hz, Alternating (250ms - 250ms)	00000	21	95	100	10	21	18	29
2	655Hz, Intermittent (1.8s ON - 1.8s OFF)	00001	2	85	92	5	9	13	17
3	2400 - 2900Hz, Alternating (250ms - 250ms)	00010	22	104	110	13	28	19	36
4	1000Hz Intermittent (0.5s ON, 0.5s OFF X3, 1s OFF)	00011	18	92	100	7	13	15	21
5	2400 - 2900Hz, Sweeping (7Hz)	00100	22	102	108	13	26	21	34
6	655Hz, Intermittent (0.5s ON - 0.5s OFF)	00101	6	85	93	6	9	14	17
7	1000Hz, Intermittent (0.25s ON, 1s OFF)	00110	21	93	98	3	10	12	18
8	800 - 1000Hz, Sweep, (1Hz)	01000	21	94	102	11	21	19	29
9	655Hz, Continuous	01001	9	86	93	8	18	16	24
10	800 - 1000Hz, Alternating (0.5s - 0.5s)	01010	21	94	100	10	22	18	30
11	1400 - 2000Hz, Sweep (10Hz)	01011	11	94	100	19	37	27	45
12	500 - 1200Hz, Slow Whoop, (3.5s ON - 0.5s OFF)	01100	21	95	101	10	15	19	23
13	800 - 1000Hz, Fast Sweep (50Hz)	01101	21	94	98	10	21	19	29
14	440Hz (100ms) and 554Hz (400ms), Alternating	01110	21	92	97	6	13	14	21
15	800 - 1000Hz, Fast Sweep, (7Hz)	10000	21	94	100	10	20	18	28
16	655Hz, Intermittent (6.5s ON - 13s OFF)	10001	16	86	93	5	8	13	16
17	1000Hz, Intermittent (1s ON - 1s OFF)	10010	21	95	100	7	15	15	23
18	2900Hz Intermittent (0.5s ON, 0.5s OFF X3, 1s OFF) ISO 8201	10011	4	103	109	8	18	16	26
19	2400 - 2900Hz, Sweep, (1Hz)	10100	22	104	110	13	27	21	35
20	2900Hz Intermittent (150ms ON, 100ms OFF)	10101	21	104	110	10	19	18	27
21	1000Hz, Continuous	10110	21	95	100	12	24	20	32
22	2900Hz, Continuous	11000	21	104	111	14	29	22	37
23	440 - 554Hz, Alternating (1s - 1s)	11001	23	91	99	7	14	15	22
24	2900Hz, Intermittent (1s ON - 1s OFF)	11010	22	103	110	9	17	17	25
25	800 - 1000Hz, Alternating (0.5s - 0.5s)	11011	22	94	99	11	21	19	29
26	<b>1200 - 500Hz, Sweep, (1Hz), DIN tone</b>	<b>11100</b>	<b>21</b>	<b>94</b>	<b>100</b>	<b>9</b>	<b>17</b>	<b>17</b>	<b>25</b>
27	2400 - 2900Hz, Sweep (50Hz)	11101	22	99	106	13	27	21	35
28	655Hz, Intermittent (150ms ON - 150ms OFF)	11110	28	85	92	6	10	14	18
29	990 - 655Hz, Alternating (0.5s - 0.5s)	00111	6	86	93	11	22	19	30
30	910 - 685Hz, Alternating (250ms - 250ms)	01111	6	92	98	11	21	19	29
31	750 - 1000Hz, Alternating (0.5s - 0.5s)	10111	17	92	98	11	22	19	30
32	925 - 628Hz, Alternating (250ms - 250ms)	11111	6	92	98	11	22	19	30

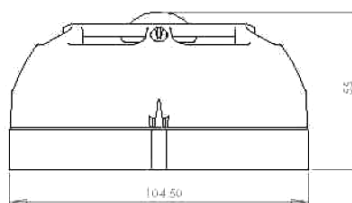
<b>GREWUS</b>		dimensions without tolerance: ± 0.3		scale:	
designed by: Ralf Hinnerichs	11.05.2009	part number:		index:	Date:
released by: Ralf Hinnerichs	11.05.2009	<b>G-FIRE A</b>			11.05.2009
drawing number: <b>399446875</b>				page 2 of 4	

**Multiton - Sirene / Multitone – Sounder**

G-FIRE Outdoor ( U – Base )

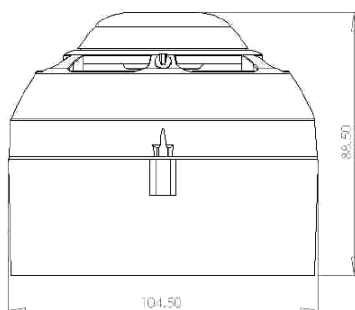


G-FIRE Indoor ( Shallow Base )

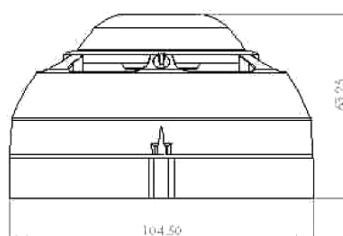


**Kombialarm Sirene – Blitzlampe / Combined Sounder – Beacon**

G-FIRE COMBI Outdoor ( U – Base )



G-FIRE COMBI Indoor ( U – Base )

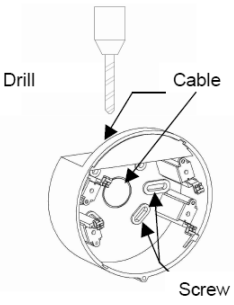
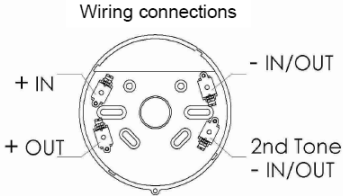
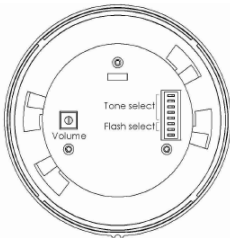
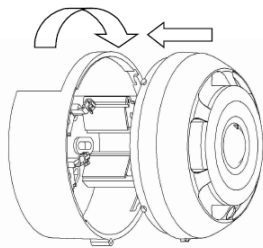
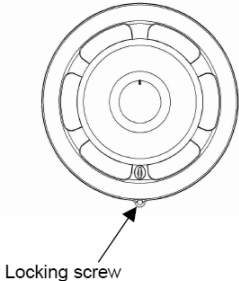
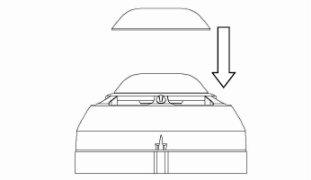


**Betriebsoptionen für Blitzlampe und Status – LED**  
Operating options for strobe or status LED

DIP Code ( 6 + 7 )	Blitzfunktion / Flash options	Stromaufnahme / Current consumption
0 0	Aus / Off	-----
0 1	Einzelblitz / Single Flash 1 Hz	ca. 8 mA
1 0	Einzelblitz / Single Flash 0,5 Hz	ca. 8 mA
1 1	Doppelblitz / Double Flash 0,5 Hz	ca. 8 mA

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Montageanweisung / Installation Instructions

<p>1) Löcher für Kabeldurchführung bohren</p> 	<p>2) Stromversorgung anschliessen</p> <p>Wiring connections</p> 
<p>3) Tonart, Lautstärke und Blitzoptionen einstellen</p> <p>Set volume, tone &amp; flash options</p> 	<p>4) Sirene auf Unterteil im Uhrzeigersinn aufsetzen</p> 
<p>5) Sicherungsschraube anbringen</p> 	<p>6) Gewünschte Farbkalotte aufklicken</p> <p>Push fit colour cap to select colour of strobe (strobe versions only)</p> 

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