

AGN24.6, AGT24.1, AGS24.5

AlgoRex
Synova™

Audible alarm devices

- For fire detection and extinguishing systems
- Powerful alarm - recognizable as a danger signal even against a high background noise level
- Various programmable types of tone and volume levels
- For applications in inside rooms and in the open air

Alarm device AGN24.6



Application

- For inside and outdoor applications, although under roof or canopy

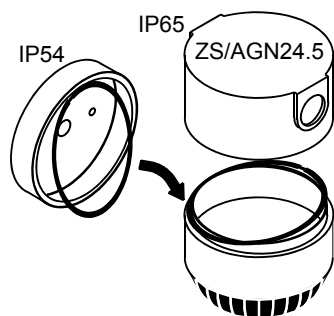
Design

- White ABS plastic housing
- Removable base for simple surface mounting
- Adapter base for cable entry with screwed cable gland
- 28 different tones programmable
- Remote-controlled switchover to continuous tone for two-stage alarm
- Adjustable sound intensity
- Encapsulated electronics
- Line monitoring possible by changing the polarity at connector '1st sound'

Programming AGN24.6

1st sound	2nd sound	Code	Description	Typical current consumption mA		Typical volume level	
				12V	24V	12V	24V
No	Sound	No	1 2 3 4 5	12V	24V	12V	24V
1	Alternating 800Hz/970Hz at 2Hz	14	1 1 1 1 1	8	16	96	103
2	Sweeping 800Hz/970Hz at 7Hz	14	1 1 1 1 0	8	16	93	100
3	Sweeping 800Hz/970Hz at 1Hz	14	1 1 1 0 1	8	16	93	100
4	Continuous at 2850Hz	14	1 1 1 0 0	14	30	104	111
5	Sweeping 2400Hz-2850Hz at 7Hz	4	1 1 0 1 1	16	28	99	106
6	Sweeping 2400Hz-2850Hz at 1Hz	4	1 1 0 1 0	15	28	99	106
7	Slow whoop	14	1 1 0 0 1	10	18	93	100
8	Sweeping 1200Hz-500Hz at 1Hz	14	1 1 0 0 0	7	14	92	98
9	Alternating 2400Hz/2850Hz at 2Hz	4	1 0 1 1 1	17	28	102	109
10	Intermittent 970Hz at 1Hz	14	1 0 1 1 0	7	10	92	100
11	Alternating 800Hz/970Hz at 1Hz	14	1 0 1 0 1	8	16	97	103
12	Intermittent 2850Hz at 1Hz	4	1 0 1 0 0	12	22	103	110
13	Intermittent 970Hz, 1/4 s On/1s Off	14	1 0 0 1 1	3	6	93	100
14	Continuous at 970Hz	14	1 0 0 1 0	9	18	99	105
15	554Hz for 100ms, 440Hz for 400ms	14	1 0 0 0 1	5	10	88	94
16	Intermittent 660Hz, 150ms On/150ms Off	16	1 0 0 0 0	4	7	87	92
17	Intermittent 660Hz, 1,8s On/1,8s Off	17	0 1 1 1 1	5	10	89	95
18	Intermittent 660Hz, 6,5s On/13s Off	18	0 1 1 1 0	6	12	89	95
19	Continuous 660Hz	19	0 1 1 0 1	6	12	89	95
20	Alternating 554Hz/440Hz at 1Hz	20	0 1 1 0 0	5	11	89	95
21	Intermittent 660Hz at 1Hz	21	0 1 0 1 1	4	8	87	93
22	Intermittent 2850Hz, 150ms On/100ms Off	14	0 1 0 1 0	11	20	102	109
23	Sweeping 800Hz-970Hz at 50Hz	14	0 1 0 0 1	8	16	92	98
24	Sweeping 2400Hz-2850Hz at 50Hz	4	0 1 0 0 0	12	23	99	107
25	Intermittent 970Hz, 500ms On/500ms Off	25	0 0 1 1 1	7	12	97	103
26	Intermittent 2850Hz, 500ms On/500ms Off	26	0 0 1 1 0	10	18	102	109
27	Continuous at 4kHz	27	0 0 1 0 1	16	33	90	98
28	Alternating 800Hz/970Hz at 2Hz	10	0 0 1 0 0	8	15	96	103

Changing bases AGN24.6



Remove rubber ring from the base and insert between housing and adapter base.

Alarm device AGT24.1



Application

- For small to medium size rooms with a low background noise level.

Design

- White ABS plastic housing for surface mounting
- Four different tones with two sound intensities
- Remote-controlled change of tone for two-stage alarm
- Encapsulated electronics

Programming AGT24.1

Sound	Code	Volume level dB (A) 1 m	Current consumption mA
Continuous tone 510 Hz	1 2 3 4 0 0 0 1	95	9
	0 0 0 0	86	3
Intermittent 510 Hz at 1 Hz	1 0 0 1	92	9
Remote switchover 2nd tone	1 0 0 0	83	3
Alternating tone 510 Hz/610 Hz at 2 Hz	0 1 0 0	86	3
	0 1 0 1	95	10
Whoop 800 Hz/970 Hz at 1 Hz	1 1 0 0	90	5
	1 1 0 1	97	15

Mallory buzzer AGS24.5



Application

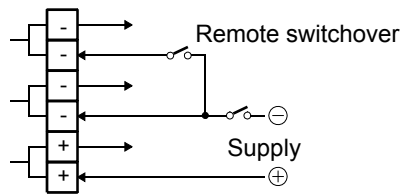
- For small dry rooms with a low background noise level

Design

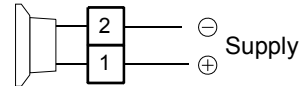
- Buzzer with continuous tone
- For incorporation in equipment, panels, etc. (for front panels with a maximum thickness of 5 mm, a drill hole of 29.5 mm is adequate)

Connections

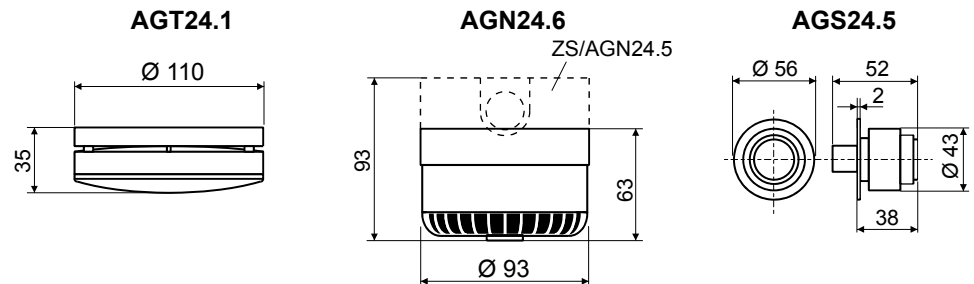
AGN24.6 / AGT24.1



AGS24.5



Dimensions



Technical data

Type	AGT24.1	AGN24.6	AGS24.5
Manufacturer's designation	SQM/W/C	ROLP/W/S	Mallory
Operating voltage	9... 30 VDC	9... 30 VDC	18... 36 VDC
Sound level for continuous tone (No. 14) at 1 m	86/95 dB(A)	105 dB(A)	80 dB(A)
Current consumption	3/9 mA	18 mA	12 mA
Frequency range	510-970 Hz	500-4000 Hz	2900 Hz
Tones	4	28	1
Sound intensity regulation	2	Trimmer	–
Cross-sectional area of connection wires	0.28... 1.5 mm ²	0.28... 1.5 mm ²	0.28... 1.5 mm ²
Ambient conditions			
– Operating temperature	-25... +85 °C	-25... +80 °C	-20... +40 °C
– Permissible humidity (class DIN 40040)	D (<100%)	D (<100%)	F (<95%)
– Protection category EN 60529 / IEC 529	IP42	IP54	IP20
– Protection category EN 60529 / IEC 529 with adapter base	–	IP65	–
Protection against reversed polarity	yes	yes	yes
Automatic synchronization	yes	yes	no
Housing	ABS white	ABS white	black
Approvals			
– VdS	–	G206019	–
– LPCB	–	378b/01	–

Details for ordering

Type	Part no	Designation	Weight
AGT24.1	BPZ:5371040001	Alarm device	0.193 kg
AGN24.6	BPZ:5371170001	Alarm device	0.205 kg
ZS/AGN24.5	BPZ:4242620001	Adapter base for AGN24.6	0.089 kg
AGS24.5	BPZ:2785020001	Mallory buzzer	0.064 kg

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