FG901SB_AP
AVBASE LOOP POWER SOUNDER BASE

Product Overview

FG901SB_AP Base Sounder operate over a wide input voltage range of 16 to 40V DC. The conventional range of detector base sounders are available in a standard 32 tone version in white with locally controllable output levels to enable the sound intensity to be adjusted to suit the application. This arrangement provides an extremely low-profile unit which is unobtrusive and protrudes only 28mm from the wall. The distinctive low-profile shape is acoustically very efficient, producing an omnidirectional high sound output at low current levels. Rugged construction with solid state electronics also provides high reliability and stable performance.

System Functionality

Volume is set by dip switches (see Table 1)
Tone is set by dip switches (see Table 2)

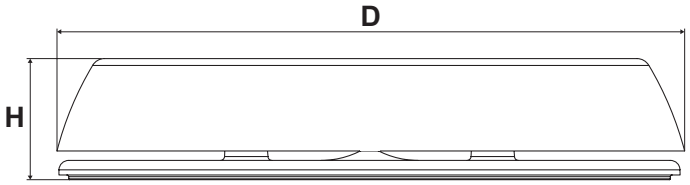
Simplified Installation

Pass the loop cables through their bracket's passage.
Set the bracket in the intended installation location.
Fix the bracket to the ceiling, using the supplied screws and wall anchors; use the pre-cut holes.

Install the base sounder on the mounting bracket. Take care to align the bracket's sound diffuser cone to device's sound outlet.

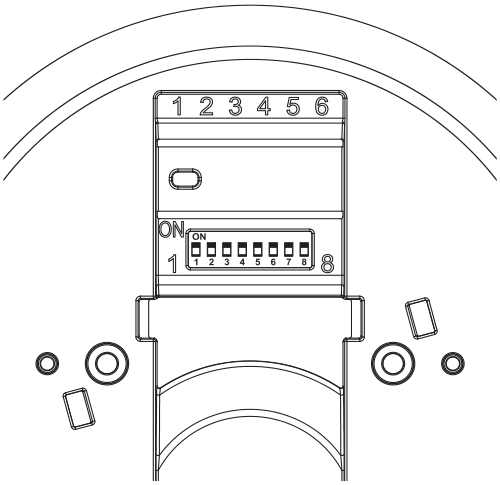
Screw cables into the terminal block.

Dimensions



Description	D (mm)	H (mm)
Internal	129	27

Standard Connection



Wire	Function
Red	Positive 16-40Vdc
Black	Negative
White	Remote

Features

- Ultra low current (see table)
- 4 volume levels
- Optical coverage level (see table)
- 32 primary tones
- 32 alternative tones
- Up to 92 dba

Technical Specification

Description :	Internal Sounder Base
Standards :	EN54 Compliant
Operating Voltage :	16-40Vdc (Typical 24Vdc)
Operating Current :	3mA (High Volume)
Tones :	See table 2
Sound Ouput @ +/- 3dB :	See table 1
Volumes :	4 (see table 1)
Operating Temperature :	-10°C to +55°C
Humidity (Non Condensing) :	0 to 95% RH
Construction :	ABS
Dimensions (H x W x L) :	129mm x 27mm
Weight :	210g
Ingress Protection :	21C
Cable Entry :	Rear
Cable Size :	0.5mm to 2.5mm

MODEL	DESCRIPTION
FG901SB_AP	Loop power base sounder white colour

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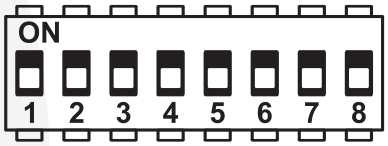
Table 1: Volume Switch

Volume	DIP configuration		Notes
	Switch 6	Switch 7	
HIGH	1	1	92.6dB(A) @ 1m, 970Hz continuous tone[1]
MID-HIGH	1	0	
MID-LOW	0	1	
LOW	0	0	

(1) See document TSD-SBN00-00A for audio output details

DIP Switch Configuration



Number	DIP Switch Configuration
1 2 3 4 5	Tone selection
6 7	Volume selection
8	Not Used

Table 2: Standard tones set

Tone designation	Tone pattern description	DIP switch Switches: 1-2-3-4-5
Silent	No sound	11111
Warble Tone[1]	800Hz for 500ms, then 1000Hz for 500ms	11101
Continuous tone[1]	970Hz continuous tone	01011
Slow Whoop (Dutch)[1]	500-1200Hz for 3500ms, then off for 500ms	10101
German DIN tone[1]	1200-500Hz swept every 1000ms (1Hz)	00111
Alternate HF slow sweep	2350-2900Hz swept every 333ms (3Hz)	10010
Alternative warble	800Hz for 250ms, then 960Hz for 250ms	11110
Alternative warble	500Hz for 250ms, then 600Hz for 250ms	11100
Analogue sweep tone	500-600Hz swept every 500ms (2Hz)	10100
Australian Alert (intermittent tone)	970Hz for 625ms, then OFF for 625ms	10001
Australian Evac (slow whoop)	500-1200Hz sweep for 3750ms, then OFF for 250ms	10110
FP1063.1-Telecom	800Hz for 250ms, then 970Hz for 250ms	00001
French tone AFNOR	554Hz for 100ms, then 440Hz for 400ms	00101
HF Back up interrupted tone	2800Hz for 1s, then OFF for 1s	11011
HF Back up interrupted tone – fast	2800Hz for 150ms, then OFF for 150ms	11001
HF Continuous	2800Hz continuous	01001
Interrupted tone	800Hz for 500ms,then OFF for 500ms	01111
Interrupted tone medium	1000Hz for 250ms, then OFF for 250ms	01101
ISO 8201 LF BS5839 Pt 1 1988	970Hz for 500ms, then OFF for 500ms	01110
ISO 8201 HF	2850Hz for 500ms, then OFF for 500ms	01100
LF Back up Alarm	800Hz for 150ms, then OFF for 150ms	11010
LF Buzz	800-950Hz swept every 9ms	01010
LF Continuous tone BS5839	800Hz continuous	11000
Siren 2 way ramp (long)	500-1200Hz rising for 3000ms, then falling for 3000ms	00000
Siren 2 way ramp (short)	500-1200Hz rising for 250ms, then falling for 250ms	00010
Swedish all clear signal	660Hz continuous	00100
Swedish Fire signal	660Hz for 150ms, then OFF for 150ms	00110
Sweep tone (1 Hz)	800-900Hz swept every 1000ms	10111
CSweep tone (3 Hz)	800-970Hz swept every 333ms (3Hz)	10011
Sweep tone (9 Hz)	800-970Hz swept every 111ms (9Hz)	01000
US Temporal Pattern HF	(2900Hz for 500ms ON, 500ms OFF) x3, then 1500ms OFF	00011
LF Sweep (Cranford tone)	800-1000Hz swept every 500ms (2Hz)	10000

FIREGUARD GLOBAL LTD.

Tel: 00-44-8450751042
Fax: 00-44-8459751043
Email: Info@Fireguard-Uk.com

www.fireguard-Uk.com

Unit 11 · Chancel Industrial Estate · Newhall Street
Willenhall · WV13 1NX · United Kingdom

FS546607