FIKE SAFETY TECHNOLOGY LTD.

Unit 31 Springvale Industrial Estate | Cwmbran NP44 5BD, United Kingdom | +44 (0) 1633 865 558

INSTALLATION AND MAINTENANCE INSTRUCTIONS

326-0001 SITA SOUNDER WITH LOW PROFILE BASE
326-0003 SITA SOUNDER WITH DEEP BASE

General Description

The Sita Sounder unit allows for audible indication when the system enters an alarm condition. This is an addressable unit that attaches to the loop. Digital communication technology to the control panel is implemented allowing for accurate data transfer at high transmission speeds.

Before Installation

The Sounder must be installed in compliance with the control panel installation manual. The installation must also meet the requirements of any local authority.

Spacing

Fike recommends spacing of sounders in accordance with any local authority.

Device Installation

Drill the cable entry region(s) in base moulding as required.

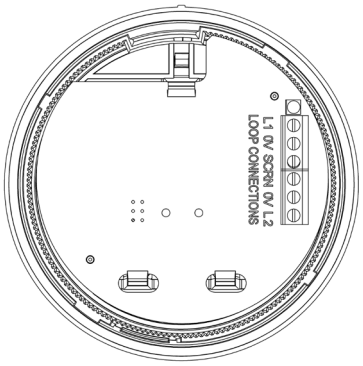
Drill out the desired mounting holes through hole / slot guides as required.

Affix the base moulding to a flat surface using a minimum of 2 screws.

All wiring must be installed in compliance with the recommendations laid out by any local authority as well as any special recommendations documented in the control panel installation manual. **The cabling used should be of a 2-core 1.5mm² screened, fire resistant type, with the following characteristics:**

Max Capacitance Core to Screen ..... 180pF / m
Max Capacitance Core to Core..... 100pF / m
Max Inductance..... 1.0mH / km
Max Resistance Two Core Screened 1.5mm²..... 12.1Ω / km

It is to be wired in the form of a screened 2-core loop returning to the control panel. The use of spurs on this system is not permitted.



Cables may be terminated into the connector, as shown below. Care should be taken when terminating devices to ensure all cables are correctly sleeved and connections are secure. Improper connections will prevent a system from responding properly in the event of a fire.

The Loop +ve (positive) IN and the Loop +ve (positive) OUT connections are split within the module. For cable continuity readings at the commissioning stage they must be temporarily removed and connected through.

Please remember that all high voltage testing must be carried out before the installation of the electronics, otherwise the electronics will be damaged. Please also note that the SCRN terminal should only be connected to the loop screen and NOT the building earth.

Once all testing has been carried out on the cabling and **continuity & insulation** has been proven, the Sounder can be connected.

Terminal	Description
L1	Loop +ve IN
0V	Loop -ve IN
SCRN	Screen IN
SCRN	Screen OUT
0V	Loop -ve OUT
L2	Loop +ve OUT

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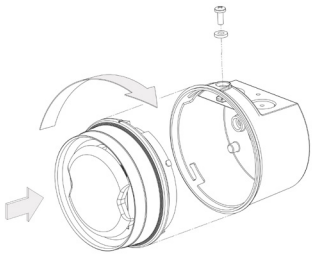
NOTE: Before installing the Sounder remember to note the serial number of the device (located on the rear of the unit) on to your drawings or configuration sheets to enable you to prove its location later. The address allocation for the device is carried out automatically by the control panel whilst in initialisation mode, so addresses do not need to be set manually. See the system Installation and Operating Instructions for further details.

Tamper Resistance

The unit incorporates a locking screw which helps prevent unauthorised removal from the base. To fit, gently insert the device positioned so that the alignment mark on the rim is rotated slightly anti-clockwise relative to the alignment mark on the base.

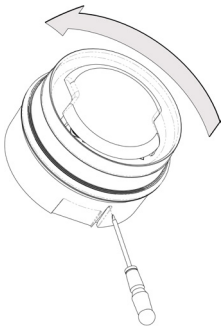
Deep Base



Rotate clockwise until the device drops in and the alignment marks meet. Tighten the locking screw, but do not over tighten.

To remove the device, unscrew the retaining screw. The device should then be turned anti-clockwise allowing it to be removed from the base.

Low Profile



To remove the device: depress the locking clip by inserting a small diameter tool, such as a jeweller's screwdriver, through the hole in the base as shown.

The device should then be turned anti-clockwise allowing it to be removed from the base.

Device Settings

The sounder modes may be configured using the relevant panel software configuration package (OSP).

	Type	Description
Sound Pattern:	SP0	Sounder off
	SP1	Single tone, 970 Hz continuous
	SP2	Pulsed UK alert signal, 970 Hz 1s on, 1s off
	SP3	Dual tone UK evacuate signal, 970 Hz 0.25s, 800 Hz 0.25s
	SP4	Sweep up, 800 Hz to 970 Hz over 1s
	SP5	Slow whoop up, 500 to 1200 Hz over 3s, 0.5s off
	SP6	Sweep down, 1200 Hz to 500 Hz over 1s
	SP7	Dual tone French warble, 550 Hz 0.1s, 440 Hz 400ms
Sound Volume:	L/M/H	Low, medium and high settings are available
See the Engineering & Commissioning Manual for your control panel (Sita, Duonet, Quadnet or CIE-A-200) for further details of how to program the above.		

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Technical Data

Dimensions:	Diameter	97 mm
	Depth: inc low profile base	60.5 mm
	Depth: inc deep base	83 mm
Operating temperature:		-10°C to +50°C.
Flammability:		UL94-V2
IP Rating:		IP21C
Voltage Range (Loop):		24 to 42V DC

System Compatibility: Duonet and Quadnet V1 onwards.
CIE-A-200 V1 onwards.

PRODUCT DESCRIPTION			VOLUME LEVEL (dBA) @ 1m anechoic (Dual Tone)		
Type	Product Code	Name	Low	Medium	High
SNDR	326-0001 326-0003	Sita Sounder with Low / Deep Base	65+	84	88

			LOOP CURRENT (mA)				
Type	Product Code	Name	Quiescent	SP0 - Off	Low	Medium	High
SNDR	326-0001 326-0003	Sita Sounder with Low / Deep Base	0.17	1.31	1.73	3.86	5.37

			BATTERY CURRENT (mA)				
Type	Product Code	Name	Quiescent	SP0 - Off	Low	Medium	High
SNDR	326-0001 326-0003	Sita Sounder with Low / Deep Base	0.36	2.74	3.62	8.04	11.18

			DLU RATING			
Type	Product Code	Name	SP0 - Off	Low	Medium	High
SNDR	326-0001 326-0003	Sita Sounder with Low / Deep Base	1.5	2.0	4.0	5.5

N.B. All specified volume and current readings, unless otherwise stated are taken using sound pattern SP3.

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Technical Support

Contact your supplier for technical support on this product.

Due to the complexity and inherent importance of a life risk type system training on this equipment is essential, and commissioning should only be carried out by competent persons. Fike cannot guarantee the operation of any equipment unless all documented instructions are complied with, without variation.

Fike's policy is one of continual improvement and the right to change a specification at any time without notice is reserved. Whilst every care has been taken to ensure that the contents of this document are correct at time of publication, Fike shall be under no liability whatsoever in respect of such contents. E&OE

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Fike Safety Technology Ltd
Unit 31, Springvale Ind. Est.
Torfaen, NP44 5BD

DoP-326-0001 DoP-326-0003

EN54-3: 2006 + 2019, EN54-17: 2005
Sounder Technical Data: See 26-0747
Isolator Technical Data: See 26-1112

326-0001, 326-0003
Intended for use in the fire detection and fire alarm Systems in and around buildings

Essential characteristics	Performance
Nominal activation conditions/Sensitivity, response delay (response time) and performance under fire conditions	Pass
Operational reliability	Pass
Durability of operational reliability and response delay, Temperature resistance	Pass
Durability of operational reliability, Vibration resistance	Pass
Durability of operational reliability, Humidity resistance	Pass
Durability of operational reliability, Corrosion resistance	Pass
Durability of operational reliability, Electrical stability	Pass
Performance under fire conditions	Pass
Durability of operational reliability, Resistance to ingress	Pass