



<http://www.fike.co.uk/resource-downloads/addressable/>

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:**

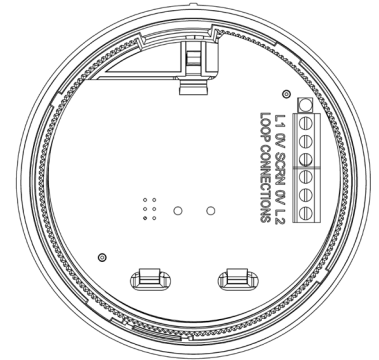
| | |
|---|------------|
| Max Capacitance Core to Screen..... | 180pF / m |
| Max Capacitance Core to Core | 100pF / m |
| Max Inductance | 1.0mH / km |
| Max Resistance Two Core Screened 1.5mm ² | 12.1Ω / km |

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 SCRNs 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.



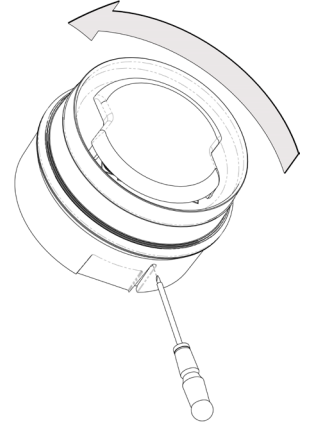
| Terminal | Description |
|----------|--------------|
| L1 | Loop +ve IN |
| 0V | Loop -ve IN |
| SCRNs | Screen IN |
| SCRNs | Screen OUT |
| 0V | Loop -ve OUT |
| L2 | Loop +ve OUT |

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. 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.



Device Settings

The sounder modes may be configured using the CIE (Duonet, Quadnet or CIE-A-200) 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.

Technical Data

| | | |
|-------------------------------|--------------------------------|-----------------|
| Dimensions: | Diameter | 97 mm |
| | Depth: inc low profile base | 60.5 mm |
| Operating temperature: | | -10°C to +50°C. |
| Flammability: | | UL94-V2 |
| IP Rating: | | IP21C |
| Voltage Range (Loop): | | 24 to 42V DC |
| System Compatibility: | Sita 200 plus V2.30 onwards. | |
| | 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 | Sita Sounder with Deep Base | 65+ | 84 | 88 |

| | | | LOOP CURRENT (mA) | | | | |
|------|--------------|-----------------------------|-------------------|-----------|------|--------|------|
| Type | Product Code | Name | Quiescent | SP0 - Off | Low | Medium | High |
| SNDR | 326 0001 | Sita Sounder with Deep Base | 0.18 | 1.31 | 1.73 | 3.86 | 5.37 |

| | | | BATTERY CURRENT (mA) | | | | |
|------|--------------|-----------------------------|----------------------|-----------|------|--------|-------|
| Type | Product Code | Name | Quiescent | SP0 - Off | Low | Medium | High |
| SNDR | 326 0001 | Sita Sounder with Deep Base | 0.18 | 2.74 | 3.62 | 8.04 | 11.18 |

| | | | DLU RATING | | | |
|------|--------------|-----------------------------|------------|-----|--------|------|
| Type | Product Code | Name | SP0 - Off | Low | Medium | High |
| SNDR | 326 0001 | Sita Sounder with 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.

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 11 DoP-326-0001 | |
| EN54-3: 2001 +A1: 2002 +A2: 2006, 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 |

