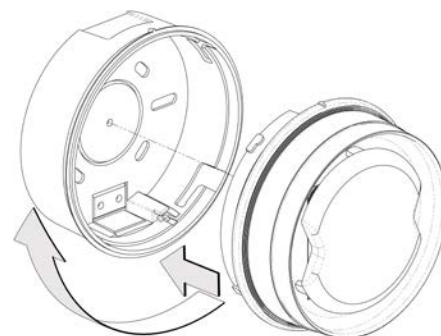


## 326-0001 Sita Sounder with Low Profile Base

### 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. This device is only compatible with the Sita 200+, Duonet and Quadnet ranges of control panels.



### 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. For maximum performance the device should be installed in compliance with BS 5839 Pt1 : 2002 + A2 : 2008.

### Spacing

Fike recommends spacing of sounders in accordance with BS 5839. For more specific information regarding sounder spacing, placement and special applications please refer to BS 5839 Pt1 : 2002 + A2 : 2008.

### Device Installation

The base moulding should be positioned so that access to the locking feature is concealed from general view to lessen the possibility of unauthorised removal of the device.

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

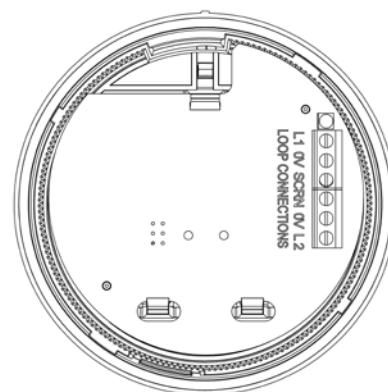
Drill out the desired mounting holes through hole / slot guides as required. Affix the base moulding to a flat surface using a minimum of 2 screws.

All wiring must be installed in compliance with the recommendations laid out by BS 5839 as well as any special recommendations documented in the control panel installation manual. **The cabling used should be of a 2-core 1.5mm<sup>2</sup> 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 <sup>2</sup> ..... | 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.

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



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 SCR 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.

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 mechanism which helps prevent unauthorised removal from the base. To fit, gently insert the device positioned so that the alignment mark on 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. The locking clip will click.

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  |
|-----------------------|-------|--|
| <b>Sound Pattern:</b> | 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       |
| <b>Sound Volume:</b>  | L/M/H | Low, medium and high settings are available.             |

See the Engineering & Commissioning Manual for your control panel (Sita, Duonet or Quadnet) for further details of how to program the above.

## Technical Data

|                               |                             |                                |
|-------------------------------|-----------------------------|--------------------------------|
| <b>Dimensions:</b>            | Diameter                    | 97 mm                          |
|                               | Depth: inc low profile base | 60.5 mm                        |
| <b>Operating temperature:</b> |                             | -10°C to +50°C.                |
| <b>Flammability:</b>          |                             | UL94-V2                        |
| <b>IP Rating:</b>             |                             | IP 21C                         |
| <b>Voltage Range (Loop):</b>  |                             | 24 to 42V DC                   |
| <b>System Compatibility:</b>  |                             | Sita 200 plus V2.30 onwards.   |
|                               |                             | Duonet and Quadnet V1 onwards. |

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

|      |              |                                    | LOOP CURRENT (mA) |           |      |        |      |
|------|--------------|------------------------------------|-------------------|-----------|------|--------|------|
| Type | Product Code | Name                               | Quiescent         | SP0 - Off | Low  | Medium | High |
| SNDR | 326 0001     | Sita Sounder with Low Profile 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 Low Profile 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 Low Profile 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. This unit complies with the EMC directive.

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.

| <br>0832   |             |
|--|-------------|
| <b>Fike Safety Technology Ltd</b><br><b>Unit 31, Springvale Ind. Est.</b><br><b>Torfaen, NP44 5BD</b><br><b>11</b><br><b>DoP-326-0001</b>  |             |
| <b>EN54-3: 2001 +A1: 2002 +A2: 2006, EN54-17: 2005</b><br><b>Sounder Technical Data: See 26-0747</b><br><b>Isolator Technical Data: See 26-1112</b><br><br><b>326-0001, 326-0003</b><br><b>Intended for use in the fire detection and fire alarm</b><br><b>Systems in and around buildings</b> |             |
| 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        |