

INSTALLATION INSTRUCTIONS FOR DBS24ALW, DBS24ALWLR AND DBS24ALWLW LOOP-POWERED ADDRESSABLE DETECTOR BASE SOUNDERS

GENERAL DESCRIPTION

The DBS24ALW addressable detector base sounder is designed to be connected to analogue addressable fire alarm systems. The sounder may be installed either under a System Sensor smoke or heat detector, or as a discreet stand-alone sounder. Where used as a stand-alone sounder, model DBS24ALWLR features a red cover and model DBS24ALWLW features a white cover, model DBS24ALW has no cover and is designed only for use in conjunction with a smoke or heat detector and base.

These sounders must only be connected to control panels that use a compatible proprietary analogue addressable communication protocol. The loop-powered sounders receive their power from the analogue addressable communication loop, and can be controlled via the addressable communication protocol.

The sounders have three different volume settings, which are selected by means of a DIP switch. Five different tones are also available - 800Hz continuous, 800Hz interrupted and 800Hz / 1000Hz alternating tone. The interrupted tone and alternating tone can be switched at 1Hz or 2Hz.

For full compatibility information, please contact the manufacturer of the control panel to be used.

Installation with ECO2000 Systems

When installed in systems using the ECO2000 range of detectors, the address switch is used to set a "group address". The "group address" may be the same for several or all sounders on the loop. For systems in which all sounders are set to operate at the same address, the group address is set to 00. Please refer to the system manual for further information.

Installation with standard intelligent systems

In standard intelligent systems every device on the communication loop is allocated an address by means of code wheels. When used with standard intelligent systems, every addressable sounder on the system should be allocated a separate address, different to the address of any other modules on the system. Normally address 00 is not used on standard intelligent systems. Please refer to the system manual for further information.

Technical Data

Communication loop voltage	15 to 32VDC
Current Consumption (max)	600mA (Sounder off)
Current Consumption (max)	4mA (Low volume)
Current Consumption (max)	9mA (Medium volume)
Current Consumption (max)	13mA (High volume)
Output power	80dBA ± 3dB (Low volume)
Output power	85dBA ± 3dB (Medium volume)
Output power	90dBA ± 3dB (High volume)
Operating temperature range	-10°C to 60°C
Operating humidity range	10% to 93% relative humidity
Dimensions	117mm diameter x 32mm
Weight	200g

WARNING

Disconnect loop power before installing sounders

Before installing the sounder, ensure that the system has been designed in accordance with the control panel manufacturer's recommendations.

Sounder Installation

- Mount the sounder to the wall or ceiling using the two fixing slots, and allowing the wires to enter the rear of the sounder through one of the two cable entry holes. If a sensor is mounted on the sounder base, the other cable entry hole can be used for wiring to the sensor.
- Set the sounder address by using a flat blade screwdriver to turn the two rotary switches, selecting the desired number between 01 and 99.
- Set the correct volume and tone settings on the 5-way DIP switch, referring to tables 1 and 2.
- Connect the cables to the sounder, according to the wiring diagram (Figure 2).

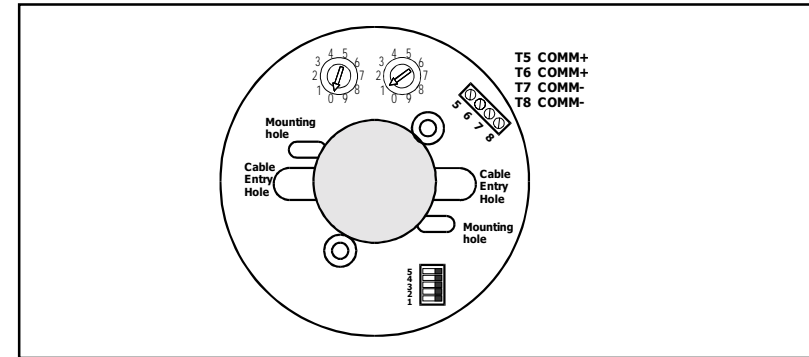


Figure 1: DBS24ALW Sounder

TABLE 1 - SOUNDER VOLUME SELECTION

SW1	SW2	VOLUME SETTING
OFF	OFF	HIGH
OFF	ON	MED
ON	OFF	LOW
ON	ON	LOW

TABLE 2 - SOUNDER TONE SELECTION

SW3	SW4	SW5	TONE A	TONE B	SWITCHING RATE
OFF	OFF	OFF	800Hz	Interrupted	1Hz
OFF	OFF	ON	800Hz	Interrupted	2Hz
OFF	ON	OFF	800Hz	Alternating	1Hz
OFF	ON	ON	800Hz	Alternating	2Hz
ON	OFF	OFF	Interrupted	Interrupted	1Hz
ON	OFF	ON	Interrupted	Interrupted	2Hz
ON	ON	OFF	Alternating	Alternating	1Hz
ON	ON	ON	Alternating	Alternating	2Hz

Panel manufacturer may select Tone A or B for 1st stage.

Figure 2: Wiring Diagram

