INSTALLATION AND MAINTENANCE INSTRUCTIONS
HS201
Addressable Sounder Strobe

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Notice: This manual should be left with the owner/user of this equipment.

General Description

The sounder strobe remains the most commonly used alarm for fire evacuation system, for wall or ceiling applications, indoors.

The sounder strobe is intended for use in addressable, two-wire systems where the individual address of each device is written inside the MCU's EEPROM by the addressable programmer.

Wiring

The system designer must make sure that the total current drawn by the devices on the loop does not exceed the current capability of the panel supply, and that the last device on the circuit is operated within its rated voltage.

When calculating the voltage available to the last device, it is necessary to consider the voltage drop due to the resistance of the wire. The thicker the wire, the smaller the voltage drops. Wire resistance tables can be obtained from electrical handbooks.

Specifications

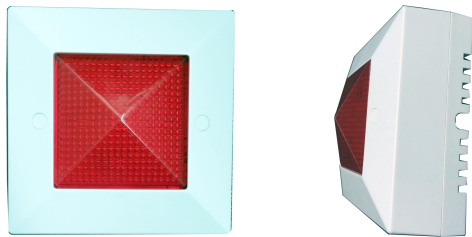|	
Loop Voltage:	16 to 28VDC
Standby Current:	450uA@28VDC（Maximum in loop）
Alarm Current:	7mA (With LED latched on in loop)
External power supply:	16 to 32VDC
External supply standby current:	4mA@28VDC(Maximum)
External supply alarm current:	35mA@28VDC(Maximum)
Sound level:	80dB(A)/1m(Minimum)
Standard:	EN54-3&23
Strobe signal strength:	75cd
Flash rate:	1 Flash Per second
Operating Temp:	-10℃ to +50℃
Operating Humidity Range:	10% to 93% Relative Humidity, Non-condensing
Dimensions:	87 mm L x 87mm W x 47mm H
Weight:	106g

Figure 1 Addressable sounder strobe

Installation Wiring

Before Installing

This information is included as a quick reference installation guide. Refer to the control panel installation manual for detailed system information. If the sounder strobes will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the sounder strobes.
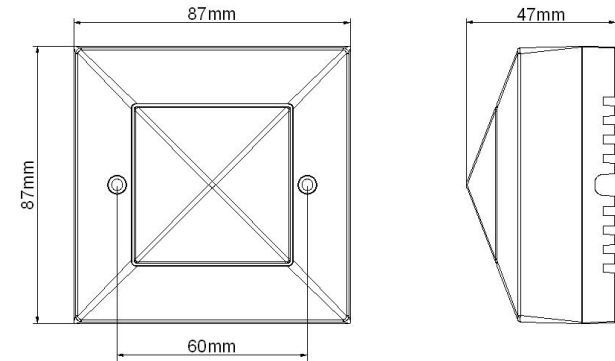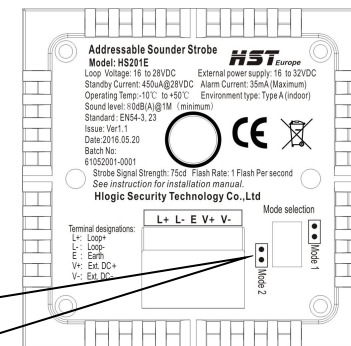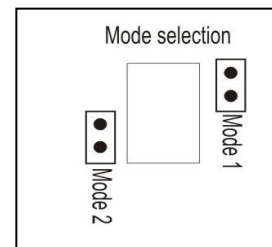
Installation Dimensions

Figure 2 Dimensions of sounder strobe

Terminal Details

Terminal	Description
L+	Loop+
E	Earth
L-	Loop-
V+	External power+
V-	External power-

Mode 1: 2 wires of loop, do not need connect to external Power supply, it has sounder function only without strobe.
Mode 2 : 4 wires, 2 wires of loop,2 wires of external power Supply, have sounder and strobe functions (**default**);

Figure3 Terminal and configuration of sounder strobe

Connection of mode 1 of sounder strobe

Note:

The mode 1 is used in low currents in 2-wires loop without external power supply, recommended to connect the number of sounder strobe not more than 15 pcs per loop. The mode1 has sounder function only without strobe function.

All wiring must conform to applicable local codes, ordinances, and regulations. Written the address of sounder strobe before mounting and wiring by programmer.

1. Select **Mode 1** (set the pin1 and pin2 of the **Mode Selection** to connected on the sounder strobe) as figure 4.
2. Connect the loop (+) and loop (–) wires of addressable panel to the Terminal L+ and Terminal L-.
3. Connect the Earth wire of panel to Terminal E.
4. Program the address on the sounder strobe per job drawings.
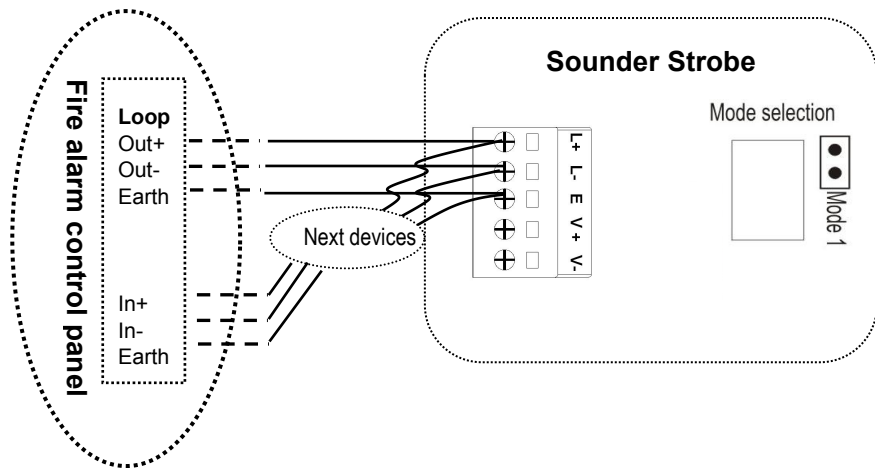5. Install the sounder strobe in the desired mounting location.

Figure4 Connection of mode 1

Connection of mode 2 of sounder strobe

Note:

The mode 2 is used in normal with sounder and strobe function for 4-wires addressable system.
All wiring must conform to applicable local codes, ordinances, and regulations. Written the address of sounder strobe before mounting and wiring by programmer.

1. Select **Mode 2**(set the pin2 and pin3 of the **Mode Selection** to connected) on the sounder strobe as figure 5.
2. Connect the loop (+) and loop (–) wires of addressable panel to the Terminal L+ and Terminal L-.
3. Connect the Earth wire of panel to Terminal E.
4. Connect the V+and V– wires of external supply to the Terminal V+ and Terminal V-.
5. Program the address on the sounder strobe per job drawings.
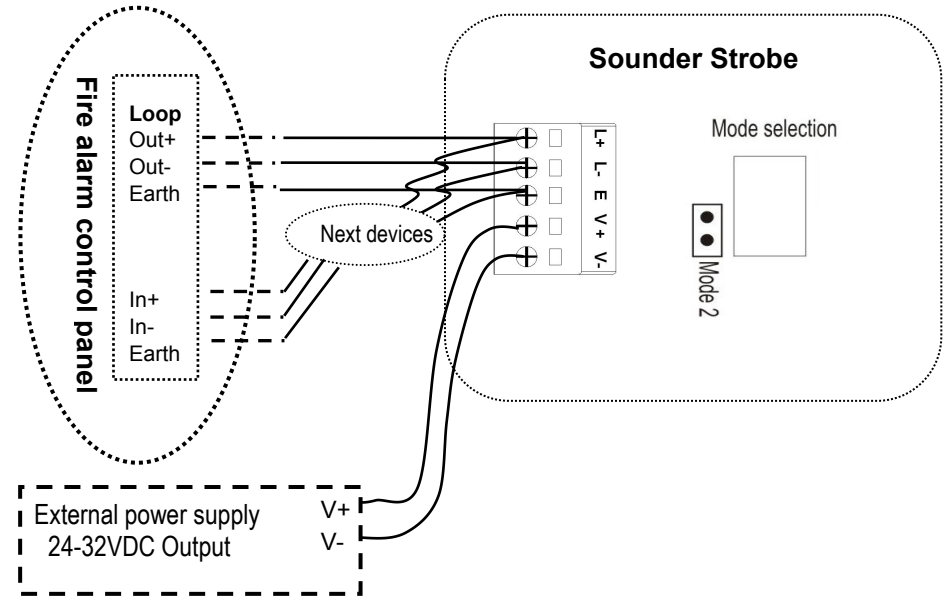6. Install the sounder strobe in the desired mounting location.

Figure5 Connection of mode 2

Maintenance

Apart from regular testing of the sounder strobe, as part of the scheduled maintenance of the fire alarm system, no additional maintenance is required.

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