

HOCHIKI ASB7 UL Addressable Fire Detection Instruction Manual

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The information contained in this installation instruction is a quick reference guide. For detailed system information refer to the panel manufacturer's installation manual. This instruction will not address specific programming procedures.

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GENERAL DESCRIPTION

This instruction applies to models ASB7 (bone color) and ASB7-W (white color) analog sounder bases, which are to be connected to a DCP Signaling LineCircuit (SLC). The ASB7 series is to be used with the ACA-V, ACC-V, ACD-V, ACE-V, AIE-EA, ALG-V, ALK-V, ALN-V, ALO-V, ATG-EA, and ATJ-EAmodel sensors only. The ASB7 series provides an audible alarm in the immediate vicinity. Typical applications are for use in hotels, apartments, and hospitals. For sleeping areas requiring CO detection, use a low-frequency sounder base such as model ASBL7.

MOUNTING REQUIREMENTS

BASE	BOX MOUNTING		
	3" OCT	4" OCT	4" SQR
ALL MODELS	YES	YES	NO

SPECIFICATIONS			
Model	ASB7, ASB7-W		
DCP Voltage Range	17-41VDC		
DCP Loop Idle Current	170μ Α		
DCP Loop Max. Alarm Current	170µ A		
Aux. Power Supply Voltage Range (See Table Number of Bases Permitted)	16-31VDC		
Device aux power min. voltage	15.0 VDC		
Aux. Idle Current	550μ Α		
Aux. Max. Alarm Current	18mA		
Max Humidity	93%RH (non-condensing)		
Sound Pressure Level at 10 ft	85 dB		
Operating Temperature Range	0°C (32°F) ~ 38°C(100°F)		
Storage Temperature	-30°C (-22°F) ~ 70°C(158°F)		
Base Diamater	5.94"		
Base Height (without sensor)	1.34"		
Weight	0.455 lb		
Compatible Detectors	ACA-V, ACC-V, ACD-V, ACE-V, AIE-EA, ALG-V, ALK-V, ALN-V, ALO-V, ATG-EA, ATJ-EA		

FEATURES

- Command selectable evacuation codes Continuous, March or ANSI Temporal patterns.
- Uses the sensor address. Automatically assigns sensor address + 127, allowing 127 sensors and 127 ASB's on one loop.
- Alarmable and Resettable by zone or by individual address.
- ASB7 SLC loop cable resistance = 50 ohms Max (25 ohms per wire).
- High sound pressure level (85 dB SPL at 10 feet).

WIRING

NOTE: All wiring must conform to local codes, ordinances and regulations.

1. This is a warning. Connect wiring to terminals as shown. Do Not loop wire under terminals. Break wire run to

provide supervision of connections.

2. Install base wiring in accordance with the applicabledrawings and appropriate wiring diagram (see Figures A and B).

CAUTION!

To ensure proper operation connect this base to a compatible Fire Control Panel only. Refer to panel instructions for proper connection and compatibility.

CAUTION!

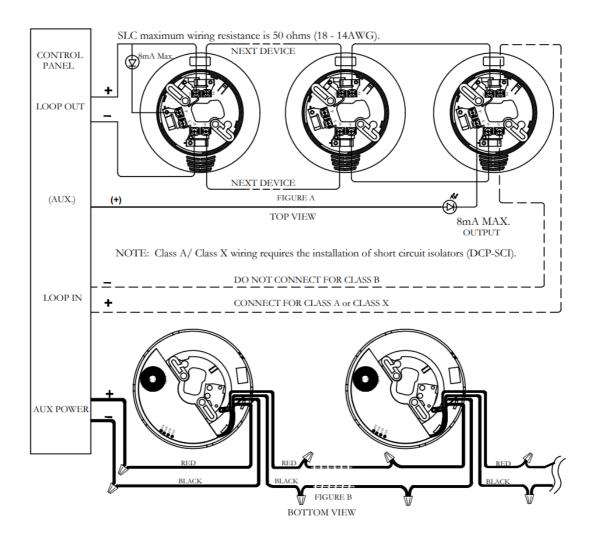
If this base will be installed inan existing operational system, inform the operator and local authority that the system willbe temporarily out of service. Disconnect power to the control panel before installing the base.

CAUTION

Install the bases in this instruction in accordance with applicable NFPA standards, local codes, and the authorities having jurisdiction. Failure to follow these instructions may result in failure of the detector to initiate an alarm condition. Hochiki America is not responsible for detectors that have been improperly installed, tested, or maintained.

For testing and cleaning information refer to detector technical bulletin. Also refer to NFPA-72 Chapter 2 & 7for Automatic Fire Detectors for installation guidelines,testing, and maintenance. Use "3M" Weatherban # 606 non flammable sealing compound to seal field wiring conduit openings in the mounting back box. Compliance with this request may reduce the occurrence of the "STACK EFFECT".

WIRING DIAGRAM

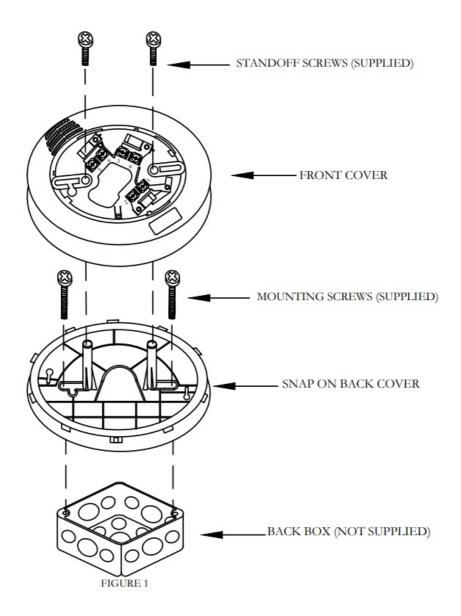


ASB7 Series Mounting Instructions

Please refer to diagram in Figure 1

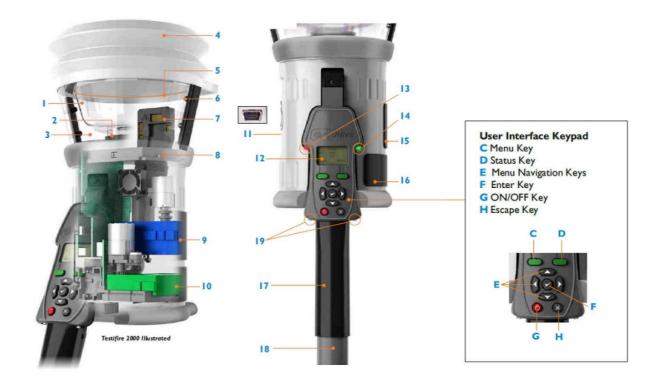
Mount directly to 3" or 4" octagonal boxes. To mount the base, remove the back cover from the main assembly and place flush onto back box. Attach the cover using the (2) 8-32 x 1 3/8 mounting screws (supplied). Once the back

cover is mounted securely to the box, snap the main assembly into placeby aligning the notches on both pieces of the plastic housing. Complete the assembly by fastening it using (2) stand off screws (supplied) into the appropriate slots.



Testifire 1000 or 2000 with TS3 or TC3:

- 1. Insert the battery baton, hold the Testifire head unit by the handle and depress the upper spring button on the battery baton. Align the button with the location hole in the handle and push the battery baton into the handle until the button springs up through the location hole.
- 2. Insert the other end of the battery baton into the Soloaccess pole and depress the lower spring button. Align it with the location hole and push the battery baton further into the pole until the button springs up through the hole.
- 3. Remove the capsule from its outer carton and Anti-Staticbag.
- 4. Remove the spring clip protector cap from the new capsule.
- 5. Holding the capsule by spring clips with the label on the underside, carefully insert the new capsule into the capsuleport. Push it into position, ensuring that the clips springout positively on both sides of the capsule.
- 6. Close the access cover securely.
- 7. Program the tester to the following options available: Smoke, Heat or CO.
- 8. Raise Testifire over the sensor. The sensor should touch the base of the inner clear cup.
- 9. Lower Testifire from the sensor.

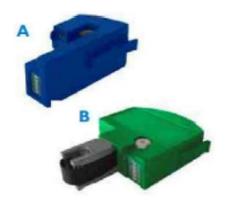


- 1. Inner Clear Cup
- 2. Platform
- 3. Clear Cup
- 4. Bellows
- 5. RFID Antenna**
- 6. Infrared Beam
- 7. Main Duct for Heat, Smoke and CO*
- 8. Testifire 100 RFID Bluetooth® Module**
- 9. Smoke Capsule TS3
- 10. CO Capsule TC3*
- 11. USB Port (on rear of unit)
- 12. User Interface Display (LCD)
- 13. 'Test Type' LED
- 14. 'Status' LED
- 15. Smoke Capsule Access Cover
- 16. CO Capsule Access Cover*
- 17. Adjustable Handle
- 18. Battery Baton
- 19. Infrared Remote Control Receivers
 - * Depending on model specification * Future option

Replacement Capsules

A Testifire Smoke Capsule TS3

B Testifire CO Capsule TC3*



Testifire's LED Indications:

Blue Solid: Smoke test in progress Red Solid: Heat test in progress Green Solid: CO test in progress Green Slow Flashing: Standby mode Green Fast Flashing: Operational mode

Red Flashing: Battery needs charging, but still operational

Alternating Red/Green Flashing: Timeout indication (after 2 minutes of continuous testing on one stimulus or

combination of stimuli Red Solid: Error

Green Solid: CO cooling

Alternating Red/Green CO cooling phase wait until standby mode statusbefore continuing to test CO

To perform the CO test, the Panel must first be in test mode.

On the Panel: Access Level 3 > Edit Configuration > Edit Device Attribute > Edit Device on Loop > Select detector

(Enter) > Edit Modes >

Select:

DAY: +S+FT+RoR+CO+COHb NIGHT: +S+FT+RoR+CO+COHb



Testifire 1000 Series Head Unit Smoke & Heat



Testifire 2000 Series Head Unit Smoke, Heat & CO

HOCHIKI AMERICA CORPORATION 7051 VILLAGE DRIVE SUITE 100

BUENA PARK, CA 90621-2268 DWG. # HA-06-449

PART# 1700-12700

Documents / Resources



HOCHIKI ASB7 UL Addressable Fire Detection [pdf] Instruction Manual ASB7 UL Addressable Fire Detection, ASB7, UL Addressable Fire Detection, Addressable Fire Detection, Fire Detection

References

• User Manual

Manuals+, Privacy Policy

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