

Intelligent Addressable Detectors and Bases

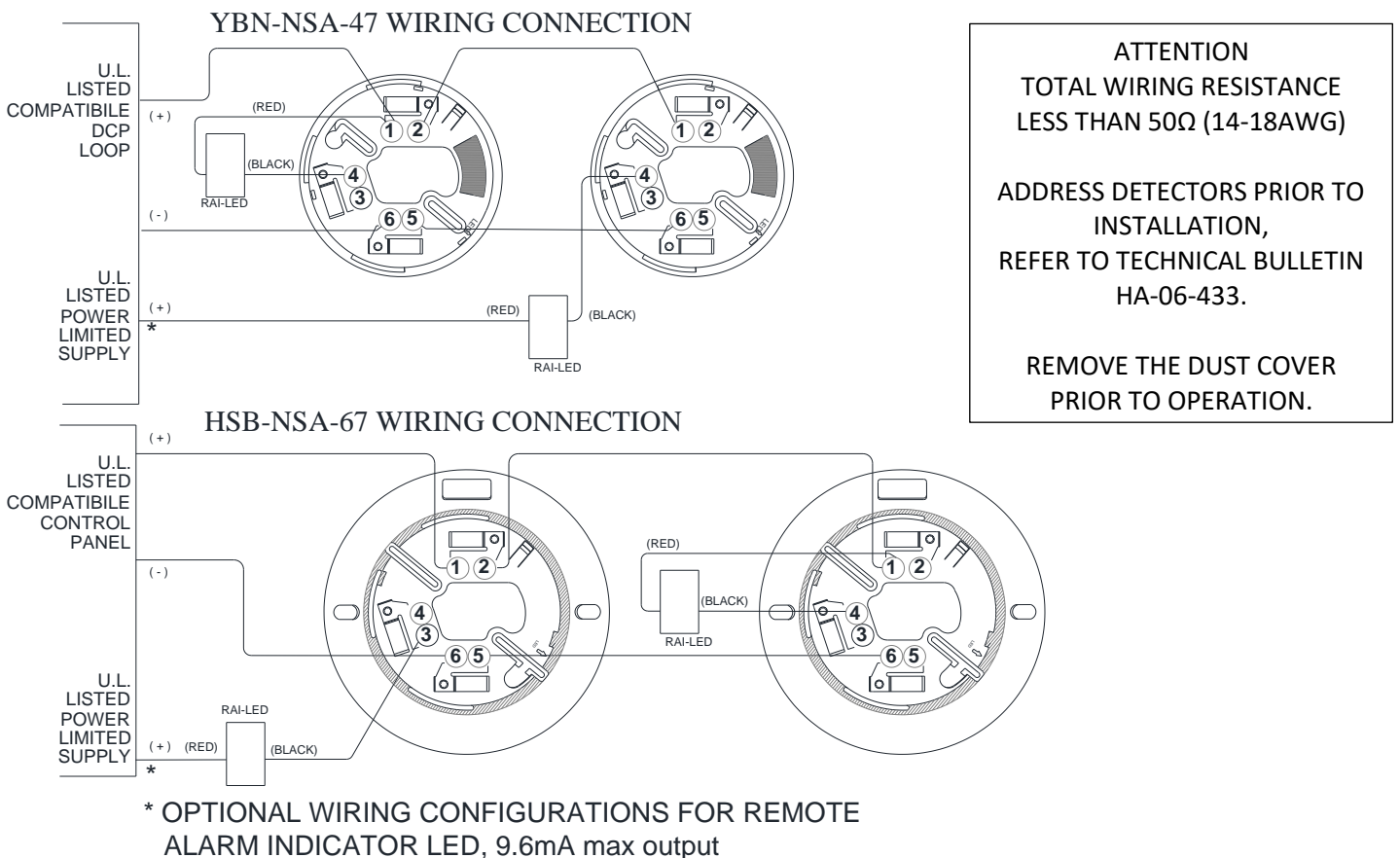
BASE SPECIFICATIONS		
MODEL	YBN-NSA-47	HSB-NSA-67
Supply Voltage	41VDC (Max)	41VDC (Max)
Alarm Current	30mA (Max)	30mA (Max)
Remote LED Current	9.6mA (Max)	9.6mA (Max)
Operating Temperature Range	14F ~ 122F	14F ~ 122F
Listed Ambient Temperature Range	32F ~ 194F	32F ~ 194F
Storage Temperature Range	-4F ~ +140F	-4F ~ +140F
Dimensions	4.13" Dia x 0.31"	5.87" Dia x 0.47"
Mounting Box Compatibility	3"-O	3"-O, 4"-O, 4"-S

Refer to the Technical Bulletin HA-06-433 (accessible at www.Hochiki.com) for the following UL listed compatible detectors. Connect these detectors only to a listed-compatible control panel. Refer to the control panel installation manual for additional instructions. Smoke detectors are not to be used with detector guards unless the combination has been evaluated and found suitable for that purpose:

- ALN-V Smoke Detector
- ALO-V Smoke Detector
- ACC-V Smoke and Heat Detector
- ACD-V Smoke, Heat, and CO Detector
- ATJ-EA Fixed Temperature and Rate of Rise Detector

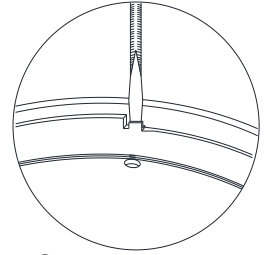
Detectors must be installed and maintained in accordance with applicable NFPA standards, local codes and any authority having jurisdiction. Refer to NFPA 72 "National Fire Alarm and Signaling Code" and to NFPA 720 "Standard for Installation of Carbon Monoxide Detection and Warning Equipment" for installation guidelines and testing procedures. Smoke detectors should be tested in accordance with NFPA 72, section on "Inspection, Testing and Maintenance". NFPA 72 and 720 audible requirements for sleeping areas can be met with Hochiki America's ASBL7 Low Frequency Sounder Base. Hochiki America recommends ASBL7 use with our CO detectors for all installations.

Seal conduit openings in the electrical box with 3M Weatherban #606 nonflammable sealing compound (or equivalent) to reduce the stack effect. Attach the detector to the base by turning the detector clockwise until it stops.

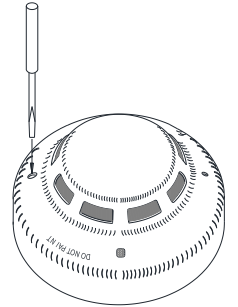


Base Security Lock Feature

1) To use the locking feature, locate the tab on the underside of the detector. Break the tab using a small screwdriver or snips. This will prevent the sensor from being removed without the following step.



2) To remove the secured detector from its base, insert a small diameter screw driver into the large hole on the outer rim of the detector. Excessive force can damage the locking tab. While depressing the tab, rotate the detector counterclockwise.



HVAC Duct Installation

If used within a HVAC duct refer additionally to NFPA 90A “Standard for Installation of Air Conditioning and Ventilation Systems,” NFPA 92 “Standard for Smoke Control Systems,” and NFPA 5000 “Building Construction and Safety Code.” To verify correct installation, the air velocity should be measured and found to be between 0 and 4000 ft./minute. Use of a velocity meter such as the ALNOR 6000AP or equivalent will be required.

Duct-Installed detectors are not intended as substitutes for open area protection.

Location Guidelines:

- 1) Install at non-turbulent sections away from bends and obstructions.
- 2) Install upstream of humidifiers and downstream of dehumidifiers.
- 3) If installed on a return, install prior to exhaust / dilution by outside air.

Mounting and Wiring:

- 1) See Page 1 of these instructions for YBN-NSA-47/ HSB-NSA-67 base and wiring.
- 2) Mount base directly to the duct wall or compatible electrical box. Seal openings with 3M Weatherban #606 nonflammable sealing compound (or equivalent).
- 3) Mount at a location with access for maintenance.