

## SHORT CIRCUIT ISOLATOR DIGITAL ANALOG SENSOR BASES



**SCI-B67 & SCI-B47**

### STANDARD FEATURES

- UL Listed
- Ability to detect short circuit conditions
- Designed for use with all DCP digital analog sensors
- Available in 4 and 6 inch models
- Built-in LED indication upon short circuit condition
- Contains a security locking tab for tamper protection

### SPECIFICATIONS

<b>Operating Voltage</b>	17 - 41 VDC
<b>Current Consumption</b>	Normal: 160uA Active: 10mA
<b>Remote LED Current</b>	9.6 mA Maximum
<b>Operating Temperature</b>	14°F ~ 122°F (-10°C ~ 50°C)
<b>Ambient Temperature</b>	32°F ~ 194°F (0°C ~ 90°C)
<b>Storage Temperature</b>	-4°F ~ 140°F (-20°C ~ 60°C)
<b>Security Feature</b>	Plastic Tamper-lock
<b>Color &amp; Material</b>	Ivory PC / ABS Blend
<b>Dimensions</b>	SCI-B67: 5.87" Dia x 0.47" SCI-B47: 4.13" Dia x 0.31"
<b>Mounting Box</b>	SCI-B67: 3" O, 4" O, 4" S SCI-B47: 3" O

### APPLICATIONS

The HOCHIKI America SCI-B47 and the SCI-B67 are short circuit isolation mounting bases containing a simple rugged design with screw terminals for wiring connections. These common mounting bases allows sensor interchange and maintains loop continuity when sensors are removed. A simple anti-tamper head locking system is provided which is enabled by removing a small plastic tab on the back of the sensor. Once locked, the head can only be removed using a small diameter screwdriver.

### OPERATION

The SCI-B47 and SCI-B67 are designed specifically for use with the Hochiki NS Digital Analog models ALO-V, ALN-V, ALK-V, ALG-V, AIE-EA, ATJ-EA, ATG-EA, ACE-V, ACC-V, ACA-V, and ACD-V.

The SCI-B47 and SCI-B67 common mounting bases allow for complete compatibility for all of the Hochiki Digital Analog sensors. The solder-less screw terminals enable quick and easy wiring connections.

Hochiki America does not provide specific recommendations regarding the number of devices to place between each SCI base. This is because the SCI base can be positioned anywhere on the Signaling Line Circuit (SLC), it does not require a device address, it consumes minimal quiescent current and is designed to help protect the system's operation in the event of an SLC short-circuit.

#### PRODUCT LISTINGS



California State  
Fire Marshal  
7300-0410:0186

Specifications subject to change without notice.



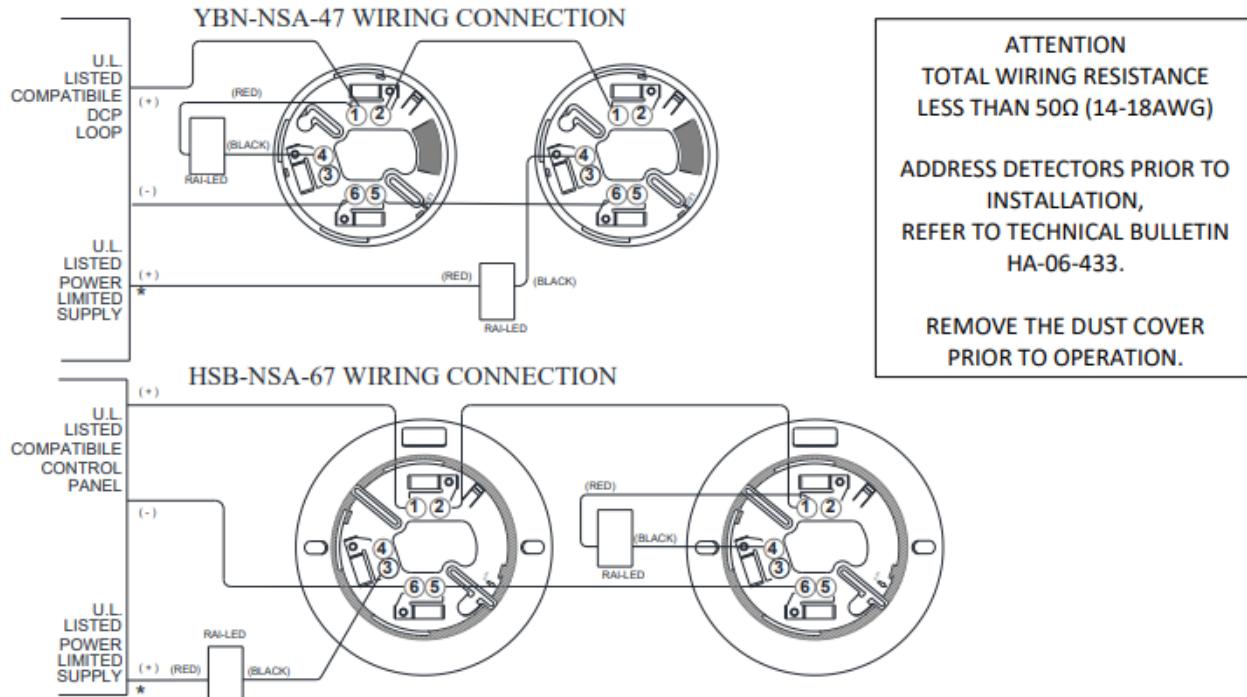
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### ENGINEERING SPECIFICATIONS

This specification applies to the model SCI-B47/-B47W and SCI-B67/-B67W, which are to be connected to a DCP Signaling Line Circuit (SLC). The SCI-B is a short-circuit isolator combined in a base compatible with the Analog range of sensors. The SCI-B47 and SCI-B67 are to be used with the ALO-V, ALN-V, ALK-V, ALG-V, AIE-EA, ATJ-EA, ATG-EA, ACE-V, ACC-V, ACA-V, and ACD-V model sensors only. A remote fire LED facility is provided when a sensor is attached to the base.

The vandal-resistant, security locking feature shall be used in those areas as indicated on the fire plan drawing. The locking feature shall be optional and can be implemented when required.

### TYPICAL WIRING DIAGRAM



\* OPTIONAL WIRING CONFIGURATIONS FOR REMOTE  
ALARM INDICATOR LED, 9.6mA max output

NOTE: Fire alarm control panel compatibility is required for DCP products.

The SCI-B47 and SCI-B67 are to be used with the:

ALO-V, ALN-V, ALK-V, ALG-V, AIE-EA, ATJ-EA, ATG-EA, ACE-V, ACC-V, ACA-V, and ACD-V

### Part Numbers

<b>0300-06850</b>	SCI-B47 4" sensor base with Isolator
<b>0300-06860</b>	SCI-B67 6" sensor base with Isolator