

# 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

17 - 41 VDC

#### **SPECIFICATIONS**

Operating Voltage

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<b>Current Consumption</b>	Normal: 160uA
-	Active: 10mA
<b>Security Feature</b>	Plastic Tamper-lock
Color & Material	Bone PC / ABS Blend
Dimensions	SCI-B67: 6 inches
	SCI-B47: 4 inches
Compatible Detectors	AIE-EA, ALG-V, ALK-V, ALN-V, ATG-EA, ATJ-EA, ACA-V, ACC- V, ACD-V, ALO-V

#### **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 AIE-EA, ALG-V, ALK-V, ALN-V, ATG-EA, ATJ-EA, ACA-V, ACC-V, ACD-V and ALO-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.

#### **PART NUMBERS**

0300-06850	SCI-B47 4" sensor base with Isolator
0300-06860	SCI-B67 6" sensor base with Isolator

### PRODUCT LISTINGS





California State Fire Marshal 7300-0410:0186

Specifications subject to change without notice.

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#### **ENGINEERING SPECIFICATIONS**

This specifications 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 AIE-EA, ALG-V, ALK-V, ALN-V, ATG-EA, ATJ-EA, ACA-V, ACC-V, ACD-V and ALO-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 SLC maximum wiring resistance is 50 ohms (18 - 14AWG). SCI-B4 - SLC wired to top of base as shown NNECTION 1, 2, 5 AND 6 WIRING SCI-B6 Top terminals not used LOOP + OUT WIRING DIAGRAM LOOP - OUT € $\bigcirc$ FACE Group of various and/or Modules 0 CLASS A (STYLE 7) WIRING SCI-B6 Series Mounting Instructions The Model SCI-B6 series bases mount directly to 3" or 4" standard boxe mount the base, remove the back cover from the main assembly and plac onto a back box. Attach the cover using the (2) 8-32 x 13/8 mounting (supplied). Once the back cover is mounted securely to the box, sunp the assembly into place by aligning the notches on both pieces of the plastic Complete the assembly by fastening it using (2) standord screws (supplead). SCI-B6 wired to Bottom of base Note: Outer mounting holes not to be used with SCI-B-6 as shown Group of various DCP Sensors and/or Modules -0

NOTE: Fire alarm control panel compatibility is required for DCP products. The SCI-B4 and SCI-B6 are to be used with the: AIE-EA, ALG-V, ALK-V, ALN-V, ATG-EA, ATJ-EA, ACA-V, ACC-V, ACD-V and ALO-V