



**SILENT  
KNIGHT**

by Honeywell

## Model SD505-6IB 6" Isolator Base

Isolates short circuit wiring  
on an SLC loop without  
shutting down the entire loop

The SD505-6IB isolates a short circuit wiring fault on a Class A (Style 7) and Class B (Style 4) SLC loop. Normally if the FACP detects a short on the SLC loop, the entire loop can be disabled. When the SD505-6IB is attached to the loop, a short, open or ground fault occurring on the SLC loop will be detected as a trouble but all SLC devices will continue to operate. The isolator module fits underneath the SD505-6AB detector base.

### Model SD505-6IB

The SD505-6IB Line Isolator Module is compatible with Silent Knight Addressable Fire control panels.

The SD505-6IB can be used on Class A (Style 7), and Class B (Style 4) wiring configurations.

The SD505-6IB mounts on a standard dual gang or 4" square and Octagon electrical box.

Up to 508 SD505-6IBs can be used per 5820XL, and 127 per 5808 Intelliknight systems.

### Features

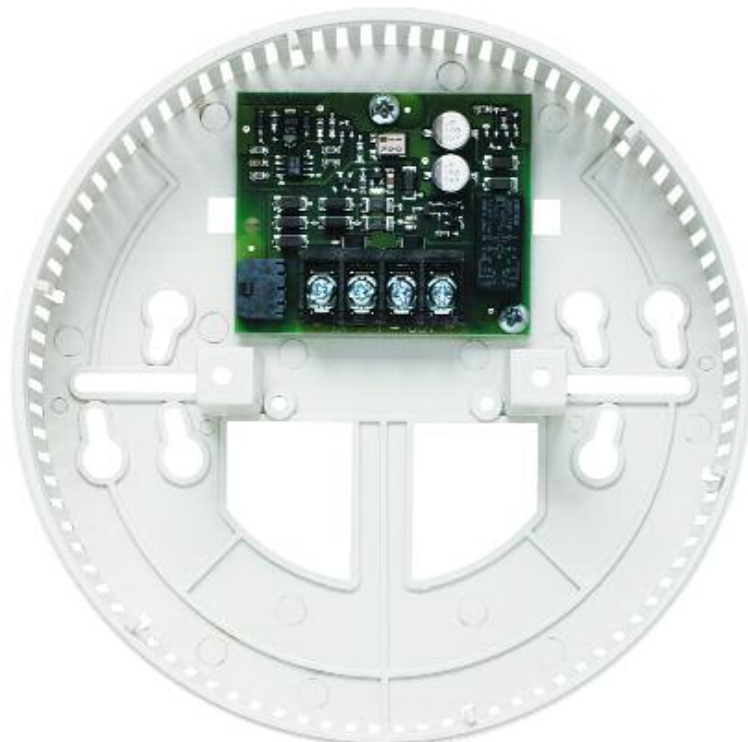
- Isolates a short so that the SLC loop remains operational
- Fully supervised
- Can be used with either Class B (Style 4) or Class A (Style 7) supervision.
- Attaches underneath 6-inch detector base (SD505-6AB) for quick installation.
- UL Listed.
- CSFM Listed
- MEA 284-91-E Vol. III

### Specifications

Operating Voltage:	32 VDC
Battery Current Draw during AC Loss:	
Alarm:	.092 mA
Standby:	.092 mA
SLC Current:	.050 mA
Max. Loop Resist.	50Ω

### Dimensions:

Height	4-7/8"
Width	4-7/8"
Depth	7/8"
Operating Temp.:	32°F to 120°F (0°C to 49°C)
Humidity:	10 to 85% RH



**Model SD505-6IB**

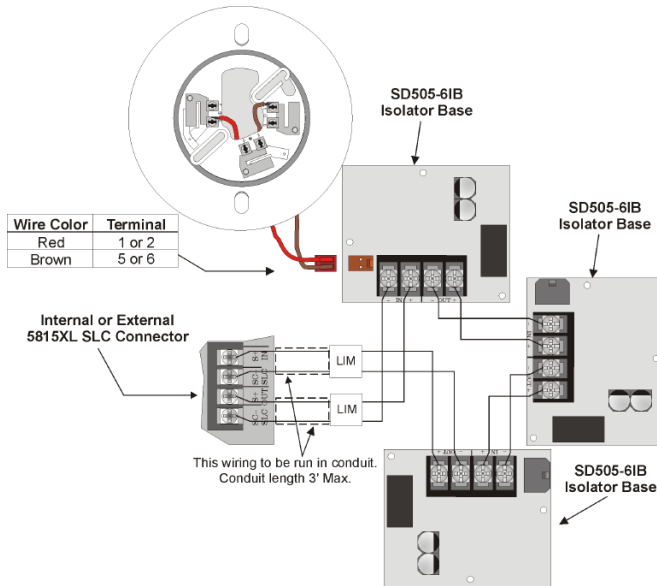
# Model SD505-6IB 6" Isolator Module Base

## Engineering Specifications

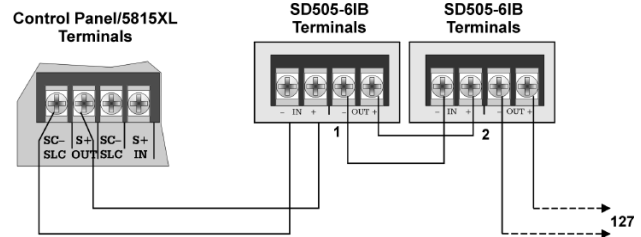
Isolator Base Silent Knight module SD505-6IB shall be installed on fire alarm systems connected to the SLC loop. Module shall be capable of detecting and isolating a shorted on an SLC loop but still allow devices to operate. Module shall be compatible with Silent Knight detector models SD505-APS, SD505-AHS and SD505-AIS.



**Model SD505-6IB**  
**Show with Detector and 6" Base**  
(Detector ordered separately)



**Class A (Style 7)**  
**Wiring**



**Class B (Style 4)**  
**Wiring**



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. [www.silentknight.com](http://www.silentknight.com)

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