



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 127per 5808 Intelliknight systems.

Operation

If a short is detected on the SLC loop the SD505-6IB will isolate it to protect the SLC loop.

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

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:

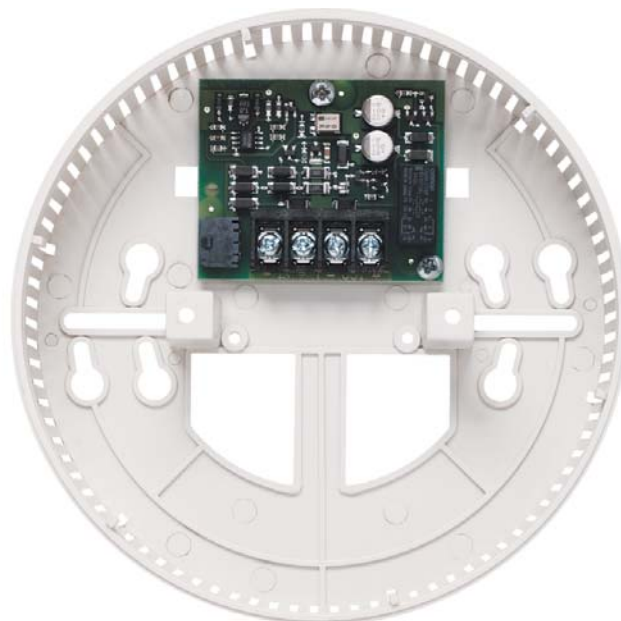
Height 4-7/8"

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



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**Model SD505-6IB
6" Isolator Module Base**

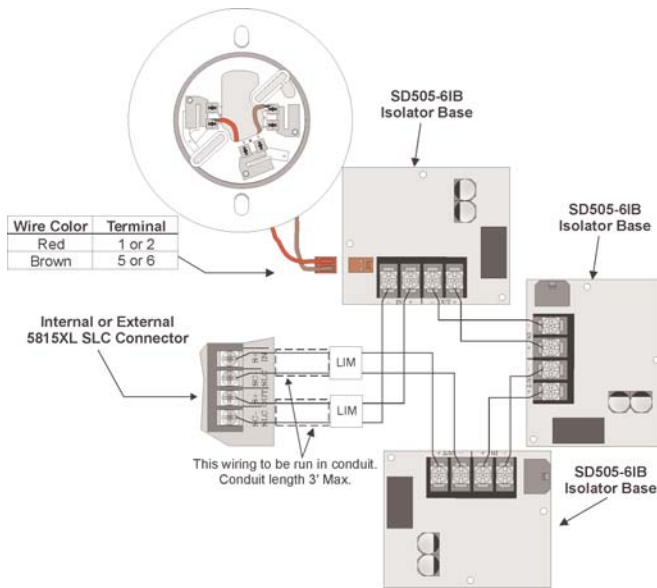


Engineering Specifications

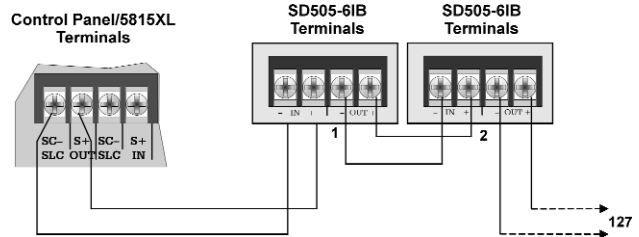
Isolator Base Silent Knight module SD505-6IB shall be installed on fire alarm systems connected to the SLC loop. Module shall be capable of detecting and isolating a shorted on an SLC loop but still allow devices to operate. Module shall be compatible with Silent Knight detector models SD505-APS, SD505-AHS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



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7550 Meridian Circle, Maple Grove, MN 55369-4927
800-446-6444 or in Minnesota 763-493-6435
 FAX: 763-493-6475
 World Wide Web: <http://www.silentknight.com>

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