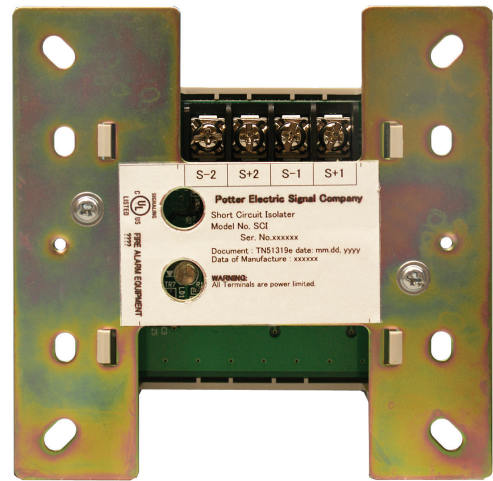


## Features

- Isolates short circuits within the SLC loop.
- SLC Class A (Style 6,7) & Class B (Style4)
- Mounts in a standard 4" or double gang box
- Wire terminals accessible when mounted in box
- All wiring terminals accept 22 to 14 AWG
- Product Includes a 5 year warranty



Stock Number: 1430826



## Application

The SCI is compatible with Potter's PFC-6000 series and PFC-8500 addressable fire alarm control panels. The SCI is used to provide additional reliability by isolating a segment of the SLC loop where a short circuit has occurred.

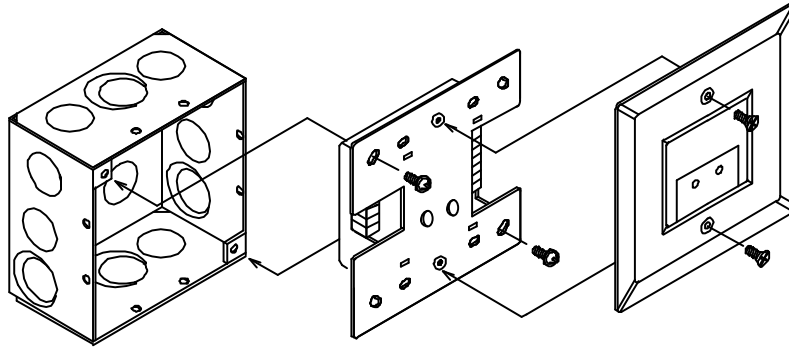
## Description

The SCI module does not require an SLC loop address but does consume power from the SLC loop. The module provides protection against short circuits by limiting the number of affected devices. When the SCI detects a short circuit on the SLC loop, it disconnects the outgoing side of the module to prevent the short from affecting the rest of the SLC loop. The SCI includes one amber LED to indicate the modules status. When the module is shorted, the LED will light continuously. Once the short is removed, the SCI will automatically restore to a cleared condition.

## Technical Specifications

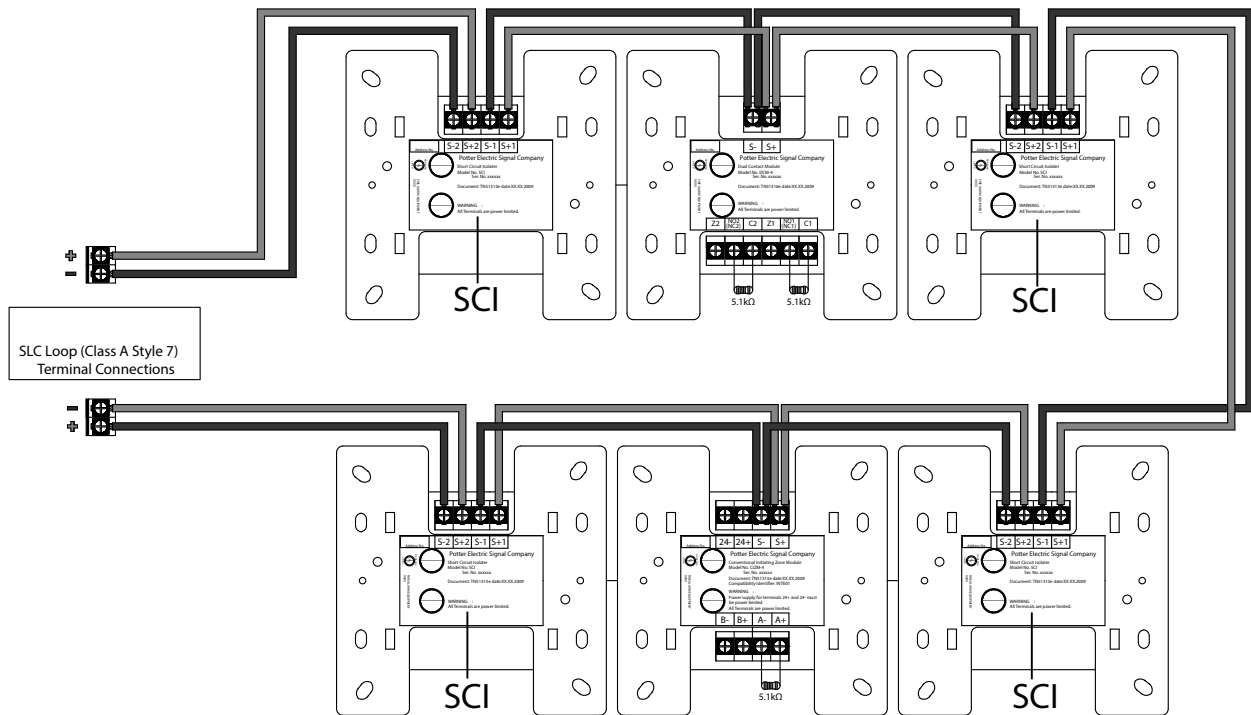
|   |  |
|---|--|
| Operating Voltage                             | 22.0-24.0V   |
| Max SLC Standby Current                       | 325 $\mu$ A  |
| Max SLC Alarm Current                         | 2.34mA   |
| Max Wiring Resistance After a SCI in Class B  | 10 $\Omega$  |
| Max Wiring Resistance After a SCI in Class A  | 10 $\Omega$<br>Between 2 SCI Modules                         |
| Max no. of SCI on SLC loop in Class B         | 16 Units   |
| Max no. of SCI on SLC loop in Class A         | 64 Units   |
| Max no. of devices connected to SCI on a loop | 50 Units   |
| Operating Temperature Range                   | 32 to 120°F (0 to 49°C)                                      |
| Operating Humidity Range                      | 0 to 93% (non-condensing)                                    |
| Dimensions                                    | 4.17" (106mm)L $\times$ 4.17" (106mm)W $\times$ 1.14" (29mm) |
| Mounting Options                              | Standard 4" Square or Double Gang Box                        |
| Shipping Weight                               | 0.6 lbs  |

**Installation Using Compatible Electrical Box**



**Wiring Diagram**

Example of Class A, Style 7 SLC Loop Wiring with SCI Modules



DWG #593-9