

### Cautions and Warnings



**DO NOT INSTALL ANY SIMPLEX PRODUCT THAT APPEARS DAMAGED.** Upon unpacking your Simplex product, inspect the contents of the carton for shipping damage. If damage is apparent, immediately file a claim with the carrier and notify Simplex.

**ELECTRICAL HAZARD** - Disconnect electrical power when making any internal adjustments or repairs. Servicing should be performed by qualified Simplex Representatives.

**STATIC HAZARD** - Static electricity can damage components. Therefore, handle as follows:

1. Ground yourself before opening or installing components (use the 553-484 Static Control Kit).
2. Keep uninstalled component wrapped in anti-static material at all times.

**RADIO FREQUENCY ENERGY** - This equipment can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user, at his own expense, will be required to take whatever measures may be required to correct the interference.

### Overview

This publication describes how to install the 4009-9812 Class A Adapter Option Card into a 4009 TrueAlert™ Addressable Controller. The Class A Adapter card provides the Addressable Controller with three Class A TrueAlert SLC circuits.

Refer to the *TrueAlert Addressable Controller Installation Guide (574-762)* for configuration information. Refer to the 842-158 Field Wiring Diagram for additional wiring information.

### In this Publication

This publication discusses the following topics:

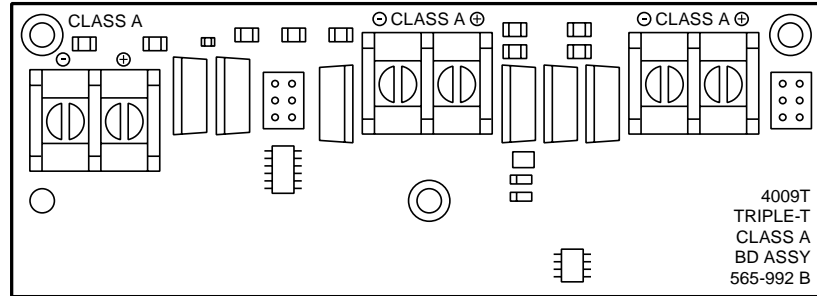
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# The Class A Adapter Option Card

## Overview

An aftermarket SLC option card is available to convert the three SLCs found on the TrueAlert Addressable Controller system board to three Class A (Style 6) hardwired SLCs. Each TrueAlert Addressable Controller supports one Class A Adapter Option Card.

Figure 1 is an illustration of the Class A Adapter Option Card.



**Figure 1. 4009-9812 Class A Adapter Option Card**

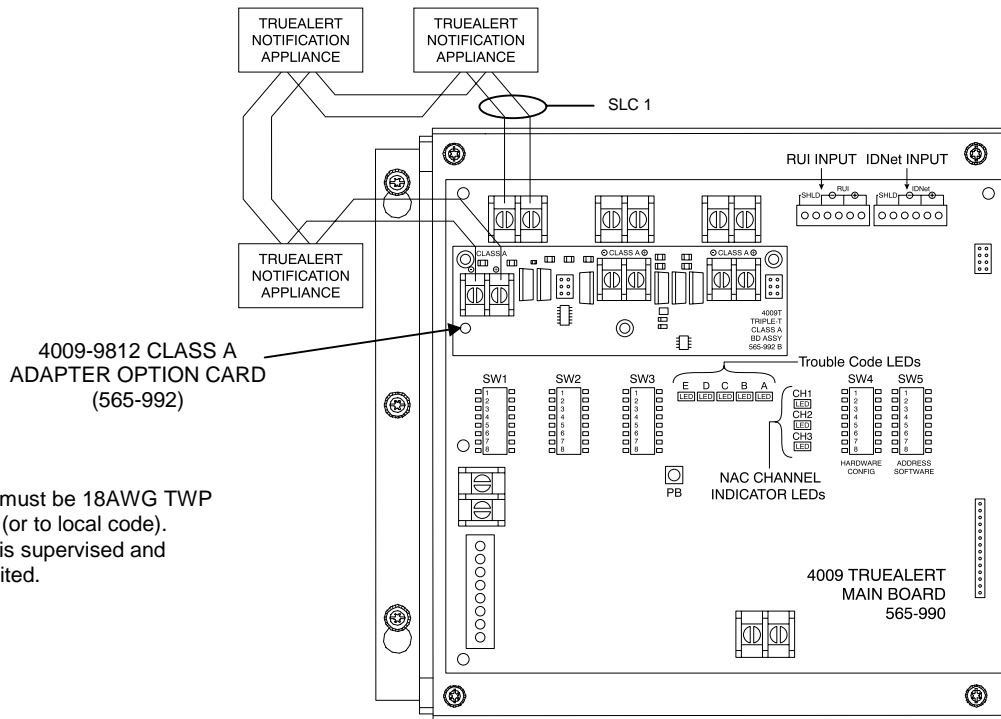
# Wiring

## Overview

The Class A return wiring for system board SLC 1 is terminated at TB1 on the Class A card. The other two SLCs must be terminated to complete the Style 6 loops (SLC2 to TB2 and SLC3 to TB3), regardless of whether or not those circuits are used. Refer to the 842-158 Field Wiring Diagram for complete wiring, compatible appliances, current, and line distance information.

**Note:** SLC wiring must be twisted pair (TWP).

Figure 2 is an illustration of the Class A Adapter Option Card wiring.



**Notes:**

- All wiring must be 18AWG TWP minimum (or to local code).
- All wiring is supervised and power-limited.

**Figure 2. Class A Adapter Option Card Wiring**

# Mounting

## Overview

Install the 4009-9812 Class A Adapter Option Card piggy-backed onto the Addressable Controller. Use the following steps and Figure 3 to mount the card.

1. Disconnect the battery and then AC power from the Addressable Controller.
2. Place one of the supplied insulating washers over the threaded end of each of the three metal standoffs. Screw the three standoffs (Part No. 524-289) into the threaded holes on the Addressable Controller system board.
3. Plug the two 6-pin headers (on the opposite side of P1 and P2 on the Class A Adapter Option Card) into connectors P2 and P3 on the Addressable Controller system board (see Figure 3). Check to verify the proper alignment of P2 and P3.
4. Install screws (Part No. 440-008) to connect the Class A Adapter Option Card to the three standoffs (see Figure 3). When you are done, reconnect AC and battery power.

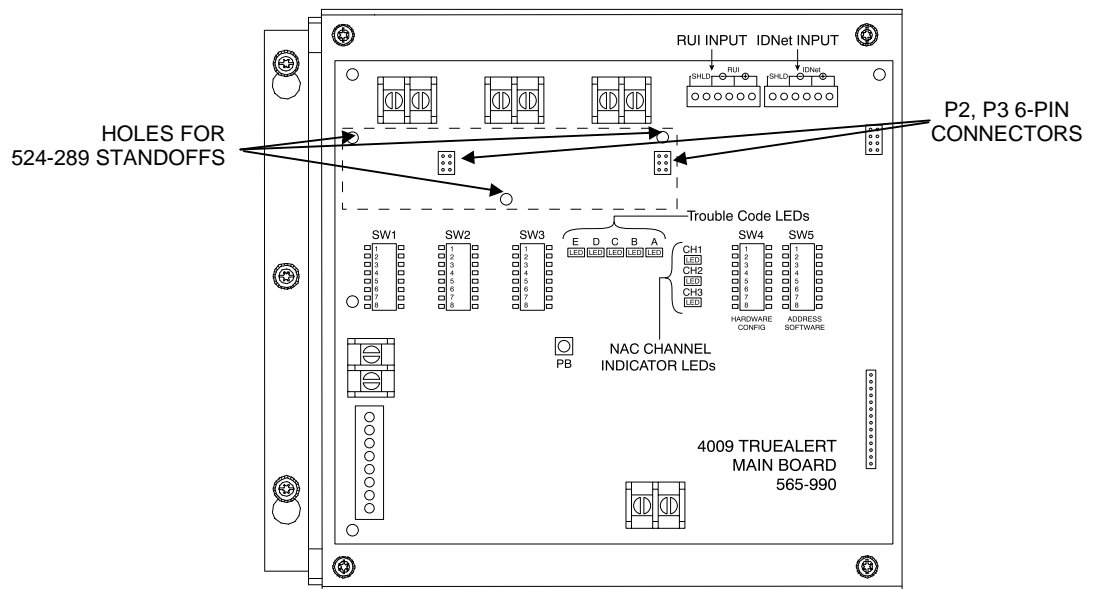


Figure 3. Class A Adapter Option Card Mounting