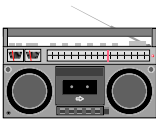


### Cautions and Warnings



**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 generates, uses, and 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 is likely to 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 shows how to install the 4010-9806 Class A Adapter Module into a 4010 Fire Alarm Control Panel (FACP). One of these modules is needed per every two NAC circuits for Class A operation on the 4010.

Refer to the *4010 Fire Alarm - Installing, Operating, and Programming Instructions (574-052)* for configuration information. Refer to the 842-058 Field Wiring Diagram for additional wiring information.

### In this Publication

This publication discusses the following topics:

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# 4010-9806 Class A Adapter Module

## Overview

The four NACs found on the 4010 SFI/O board are Class B (Style Y). To support Class A (Style Z) you must install an adapter module that mounts to the SFI/O board. Each 4010 -9806 Class A adapter module supports up to two NACs.

Figure 1 shows the location of the P1 connector and the Class A terminal block.

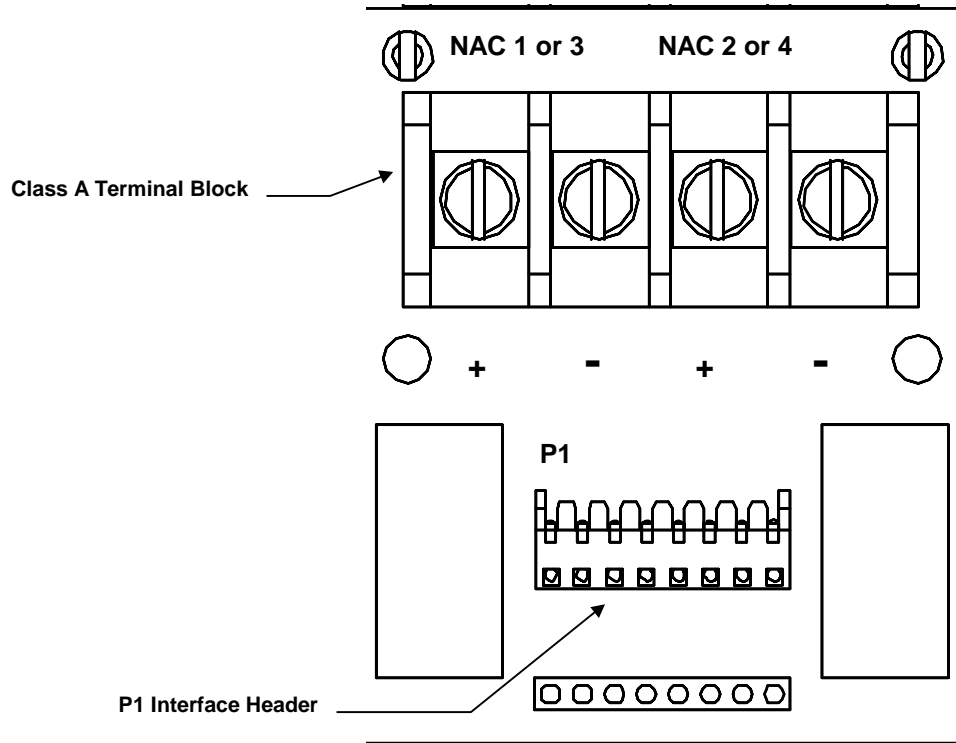


Figure 1. 4010-9806 Class A Module

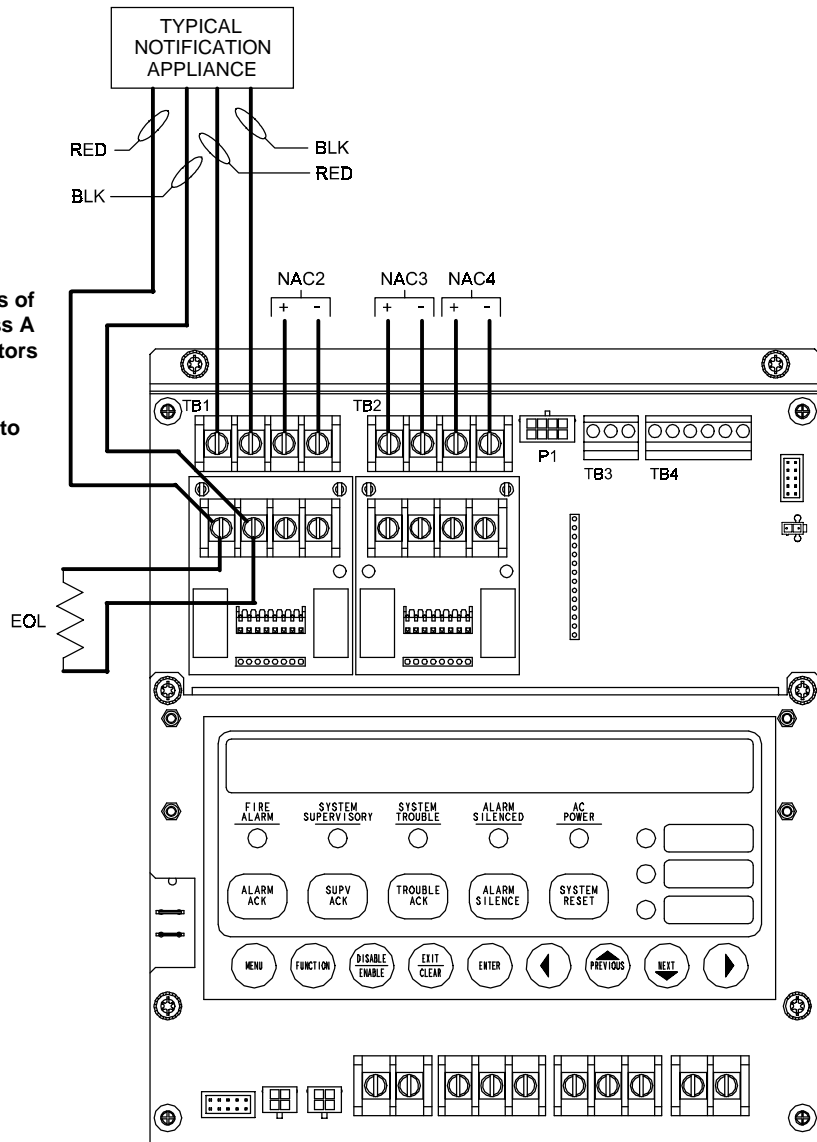
# Wiring

## Class A Wiring

The Class A wiring is terminated at TB1 on the module. Maximum current for each circuit is 2A. Use the information in Figure 2 to terminate all Class A wiring. Refer to the 842-058 Field Wiring Diagram for complete wiring, compatible appliances, current, and line distance information.

**Notes:**

1. Install a 733-894 (10K $\Omega$ , 1/2W) EOL resistor harness from + to - terminals of each Class A NAC in use on the Class A module. Remove any installed resistors on the associated NACs on the SFIO card 565-737 or 565-738.
2. All wiring to be 18AWG minimum or to local code.
3. All wiring is supervised.



**Figure 2. Class A Wiring**

# Module Installation

## Mounting the Class A Adapter

Install a Class A module piggy-backed onto the 4010 SFI/O. Use the following steps and Figure 3 to mount the modules on a 4010.

1. Disconnect battery and then AC power from the FACP.
2. Terminate all wiring to their appropriate connectors.
3. Press two Snap Posts (Part No. 202-067) into the appropriate holes on the 4010 SFI/O (see Figure 3).
4. Insert the 8-pin header (Part No. 532-624) into the 8-pin socket on the 4010 SFI/O.
5. Line up the back 8-pin connector of the Class A module with the 8-pin header installed on the 4010 SFI/O and line up the two mounting holes and snap the Class A module into place.

You can now reconnect AC and Battery Power.

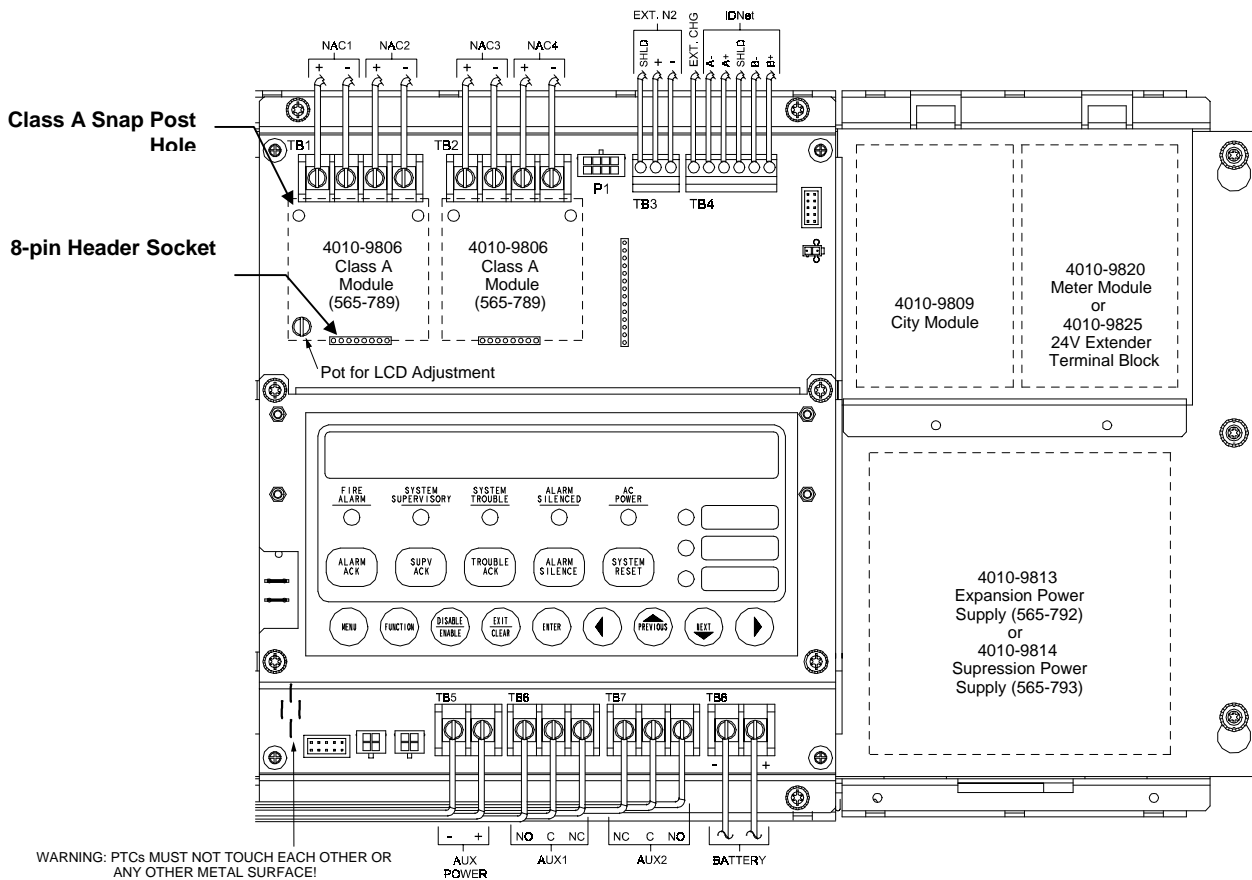


Figure 3. Class A Module Installation