

Introduction

This publication describes the installation procedures for the following PIDs:

- 4100-9607 Remote Annunciator w/ Flexible User Interface – Domestic
- 4100-9608 Remote Annunciator w/ Flexible User Interface - Canadian
- 4100-9609 Remote Annunciator w/ Flexible User Interface - International
- 4100-9610 Remote Annunciator
- 4100-9611 Basic Remote Annunciator
- 4100-9612 Basic Remote Annunciator w/ Flexible User Interface - Domestic
- 4100-9613 Basic Remote Annunciator w/ Flexible User Interface - Canadian
- 4100-9614. Basic Remote Annunciator w/ Flexible User Interface - International

IMPORTANT: Verify 4100U system programmer, executive, and slave software compatibility when installing or replacing system components. Refer to solution bulletin SB01014 for compatibility information.

Inspecting Contents of Shipment

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 an authorized Simplex product supplier.

In this Publication

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Specifications

Power Requirements (4100-9610 and 4100-9611)	
Input Voltage	19-33 VDC
Input Current	87 mA standby or alarm
Power Requirements (all models with Flexible User Interface)	
Input Voltage	24 VDC
Input Current	186 mA standby, 214 mA alarm
Environmental Specifications	
Operating Temperature	32° to 120° F (0° to 49° C)
Humidity	Up to 93% relative humidity at 90° F (32° C)

Cautions and Warnings

READ AND SAVE THESE INSTRUCTIONS. Follow the instructions in this installation manual. These instructions must be followed to avoid damage to this product and associated equipment. Product operation and reliability depends upon proper installation.



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 your local Simplex product supplier.



ELECTRICAL HAZARD - Disconnect electrical field power when making any internal adjustments or repairs. All repairs should be performed by a representative or authorized agent of your local Simplex product supplier.



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

- Ground yourself before opening or installing components.
- Prior to installation, keep components wrapped in anti-static material at all times.



EYE SAFETY HAZARD - Under certain fiber optic application conditions, the optical output of this device may exceed eye safety limits. Do not use magnification (such as a microscope or other focusing equipment) when viewing the output of this device.

RADIO FREQUENCY ENERGY

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

SYSTEM REACCEPTANCE TEST AFTER SOFTWARE CHANGES - To ensure proper system operation, this product must be tested in accordance with NFPA 72[®] after any programming operation or change in site-specific software. Reacceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring.

All components, circuits, system operations, or software functions, known to be affected by a change, must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

NFPA 72 is a registered trademark of the National Fire Protection Association.

Remote Annunciator Installation

Introduction

The 4100-9607, -9608, -9609, & -9610 remote annunciators are configurable 4100 fire alarm system panels that provide annunciation and limited 4100 system control for remote areas. The 4100-9610 remote annunciator is used when LED/Switch door modules are located in a transponder cabinet. A power supply (SPS, RPS etc.) is required. Other 4100U modules may be located within the transponder cabinet. The other three remote annunciators contain a Flexible User Interface, which has a large screen LCD. The remote annunciators are MINIPLEX panels.

The 4100-9611, 4100-9612, -9613 and -9614 are not used with local power supplies. Only annunciator modules are located in these cabinets. Power is wired to the Transponder Interface Controller. 4100-9611 is for applications where LED/Switch door modules are located in a transponder cabinet. The other PIDS include Flexible User Interface modules. LED/Switch modules may be added in the same cabinet when multi-bay cabinets are used.

The modules below are commonly located in Remote Annunciator cabinets

4100-1292 Remote Command Center (RCC). The RCC's 2x40 character LCD can display any alarm, trouble or supervisory condition. The remote annunciator also provides basic user capabilities, such as system reset, alarm, and acknowledgment for supervisory and trouble indications. Not used with Flexible User Interface modules.

4100-1288, 4100-1289 LED/Switch Controller with 4100-1276 to -1278 & 4100-1280 to -1287 LED/Switch Modules The LED/switch user interface consists of a variety of display modules, mounted to the front of an expansion box, that are configured via the 4100 Programmer. Each display module contains between 8 and 24 switches and LEDs. Each switch and LED is separately configurable.

4100-0633 Tamper Switch. Wired to an input point programmed for annunciation when the door to the cabinet is opened.

(4100-9607, -9608, -9609, & -9610 only) **4100-1291 Remote Unit Interface Module.** Used to extend the length of communications wire to reach remote bays. Only 1 level or RUI cascading is permitted by the 4100U architecture.

(4100-9607, -9608, -9609, & -9610 only) **4100-1290 24-Point Graphic I/O Module.** Allows up to 24 inputs or outputs to be programmed and connected to the 4100 Fire Alarm Control Panel. These 24 points can be split up into any combination of inputs and outputs to meet customer requirements.

- **RPS, Expansion Power Supply (XPS) or Expansion System Power Supply.** Each RPS provides 24 VDC and 3 notification appliance circuits. The SPS and RPS include a battery charger. The SPS includes an IDNet channel controller.

Note: These modules mount to the front of the bay, and are restricted from mounting directly in front of power modules due to physical interference.

Continued on next page

Remote Annunciator Installation, (continued)

General Setup

Remote annunciators are made up of several modules, and each module has its own set of installation instructions. The figures below and on the next page show the general setup for each remote annunciator. Refer to the appropriate manuals to install specific modules. Manuals are found in the ship group for each module.

As shown in the figures, expansion bays with the power distribution interface (PDI) are always used in the remote annunciator. (CPU bays are never used.)

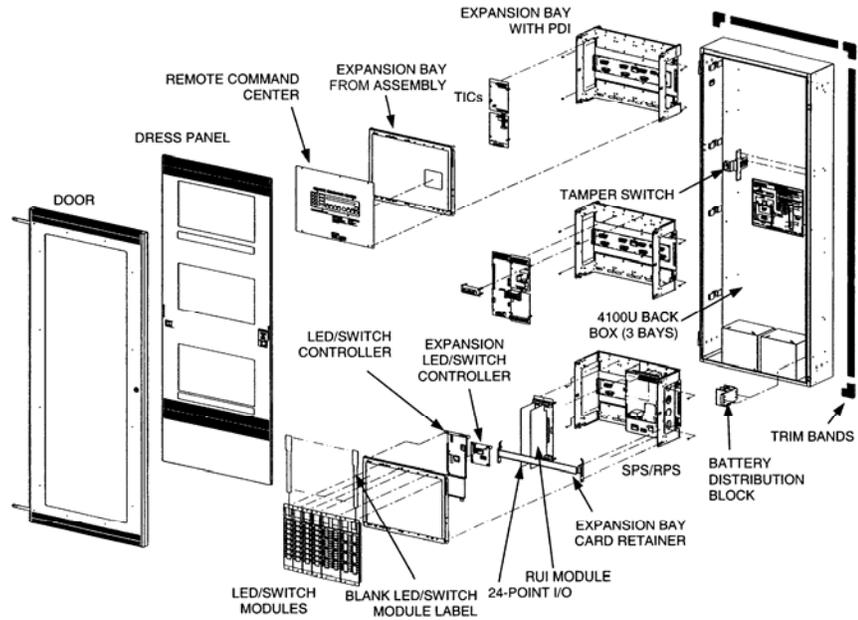


Figure 1. 4100-9607, -9608, -9609, & -9610 Remote Annunciator Installation (4100-9610 Shown)

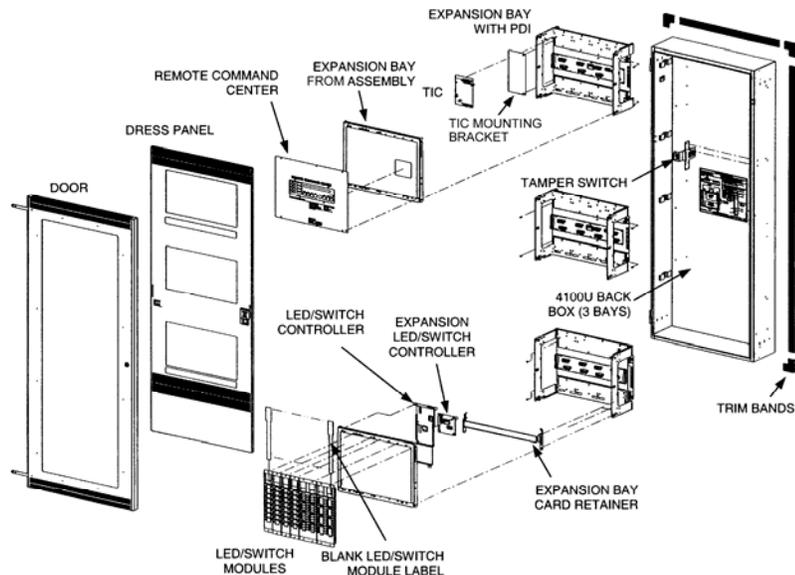


Figure 2. 4100-9611, -9612, -9613, & -9614 Basic Remote Annunciator Installation (4100-9611 Shown)

Note: The Remote Command Center is an option with 4100-9610 and 4100-9611.

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Remote Annunciator Installation (continued)

Wiring for the Remote Annunciator Assembly

The field-wiring to 4100-9611, -9612, -9613 and 4100-9614 Remote Annunciators is 24V power and RUI communications. Refer to Figure 3 for wiring information.

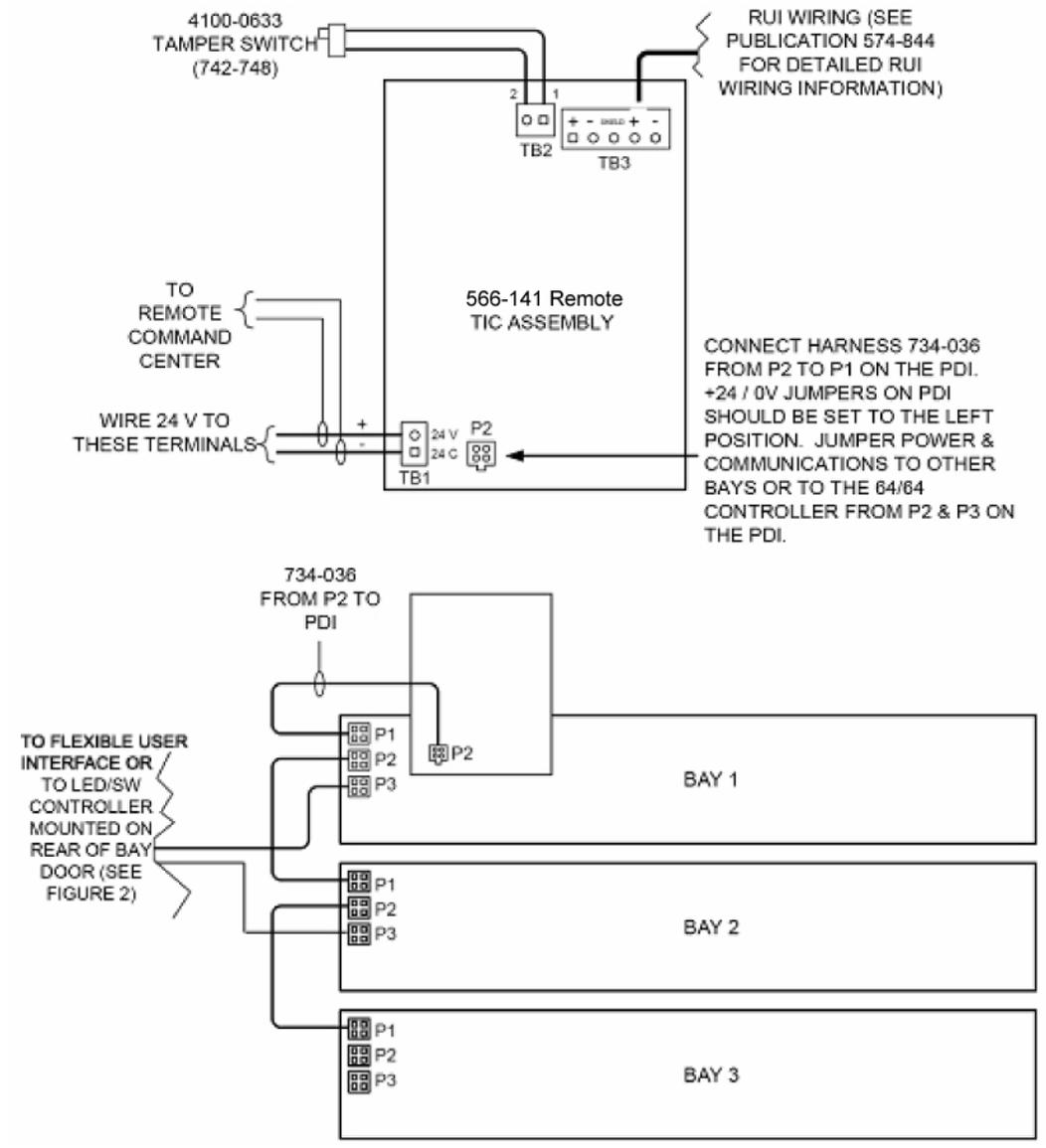


Figure 3. Wiring for 4100-9611, 4100-9612, 4100-9613, and 4100-9614. TIC Assembly Used on the the Remote Annunciator

Remote Annunciator Installation (*continued*)

Wiring for the Basic Annunciator Assembly

The 4100-0620 TIC Assembly is used on the 4100-9607, 4100-9608, 4100-9609, and 4100-9610 remote annunciator. Refer to Figure 4 for wiring information.

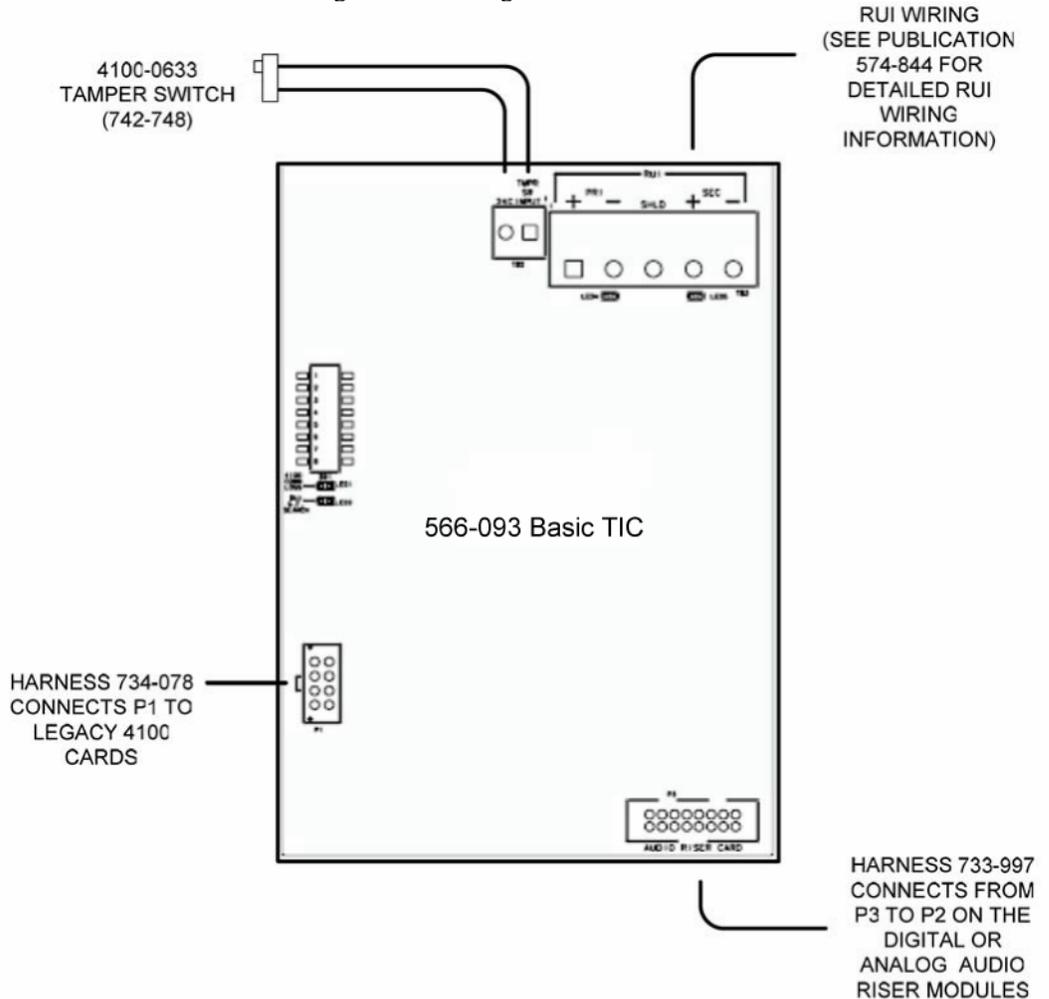


Figure 4. Wiring for the Basic Annunciator TIC Assembly