

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.
2. Keep uninstalled component wrapped in anti-static material at all times.

Introduction

The 4098 Smoke/Heat Bases are designed to be used with Simplex smoke and heat detectors, as well the QuickConnect2 photo sensor. The different smoke/heat base configurations include the following:

- 4098-9788 2-Wire Base
- Heat Base with LED Interface (4098-9684)
- 4-Wire Relay Base (4098-9682)
- 2-Wire Relay Base (4098-9683)

Note: Refer to the *4098 Detectors, Sensors, and Bases Application Manual (574-709)* that was shipped with the fire alarm system for compatibility data, maintenance, and correct application of these Smoke/Heat Bases.

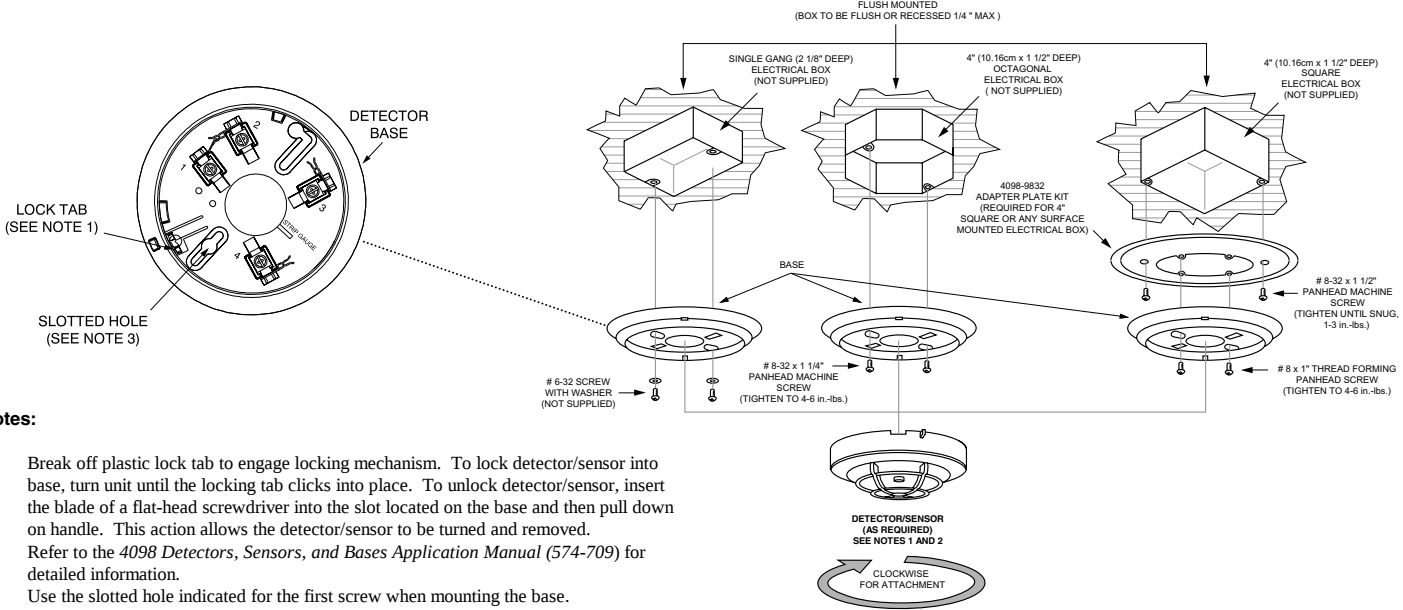
Installation

Cautions: Install the bases in this instruction in accordance with applicable NFPA standards, local codes, and the authorities having jurisdiction. Failure to follow these instructions may result in failure of the detector or sensor to initiate an alarm condition. Simplex is not responsible for detectors or sensors that have been improperly installed, tested, or maintained. Smoke detectors or sensors come with dust covers to protect them from contamination during completion of building construction. Smoke detectors and sensors will not operate with dust covers in place.

Mounting

The bases mount to a 4-inch square, single-gang, or octagonal electrical box. Install the base using Figure 1 as a reference.

Note: The 2- and 4-wire relay bases and the Heat Base with LED Interface require an 1 ½-inch extension ring (not supplied) mounted to the 4-inch square or octagonal electrical box (relay module(s) cannot be used in single-gang installations) to meet the space requirement of the relay cube and its wires. The relay cube must be installed in the electrical box directly behind the base.

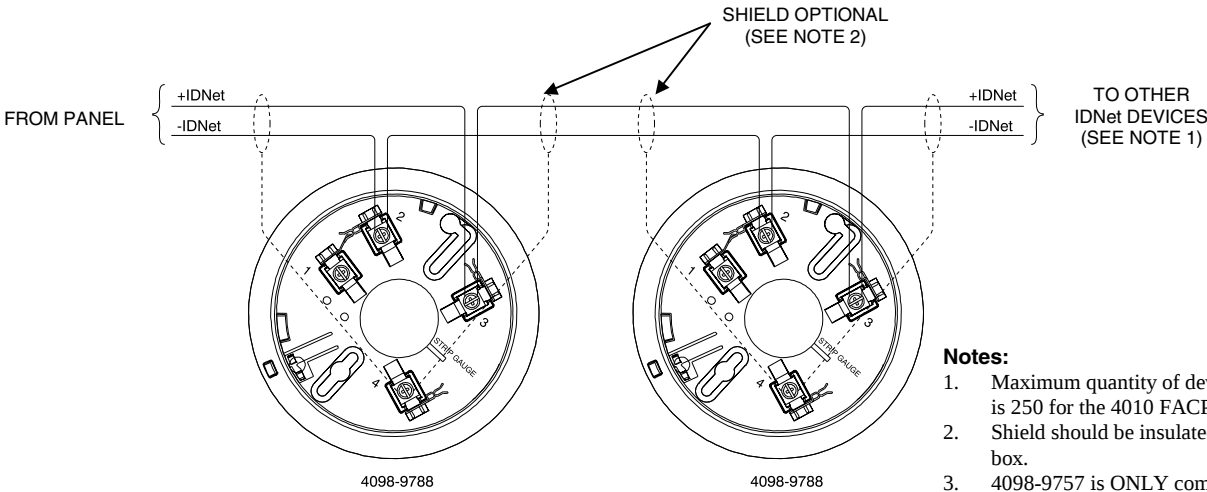


- Notes:
1. Break off plastic lock tab to engage locking mechanism. To lock detector/sensor into base, turn unit until the locking tab clicks into place. To unlock detector/sensor, insert the blade of a flat-head screwdriver into the slot located on the base and then pull down on handle. This action allows the detector/sensor to be turned and removed.
 2. Refer to the *4098 Detectors, Sensors, and Bases Application Manual (574-709)* for detailed information.
 3. Use the slotted hole indicated for the first screw when mounting the base.

Figure 1. Typical Base Mounting

Wiring

All screw terminals accept 14- to 18-gauge AWG solid or stranded wire. **Maximum torque should not exceed 12 inch-pounds. Do not loop wire under terminals.** Recommended strip length is 3/8 inch. Break wire runs to provide supervision. Figures 2, 3 and 4 illustrate the wiring connections for the different base configurations.



- Notes:
1. Maximum quantity of devices per circuit is 250 for the 4010 FACP.
 2. Shield should be insulated from electrical box.
 3. 4098-9757 is **ONLY** compatible with 4010 FACP.

Figure 2. 4098-9788 Base for use with 4098-9757 QuickConnect2

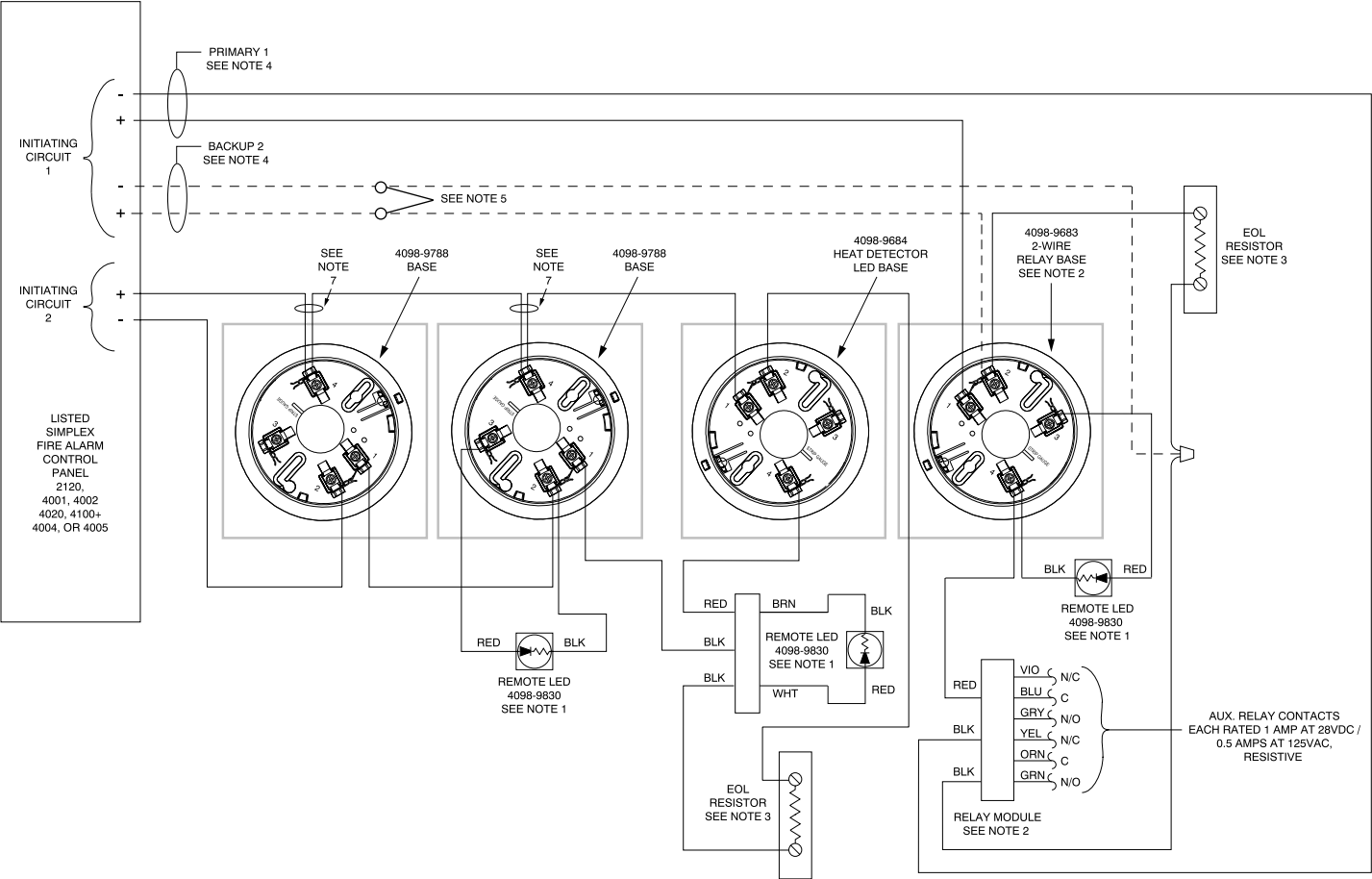


Figure 3. 4098-9788 Base, 4098-9683 2-Wire Relay Base, and 4098-9684 Heat Base with LED Interface

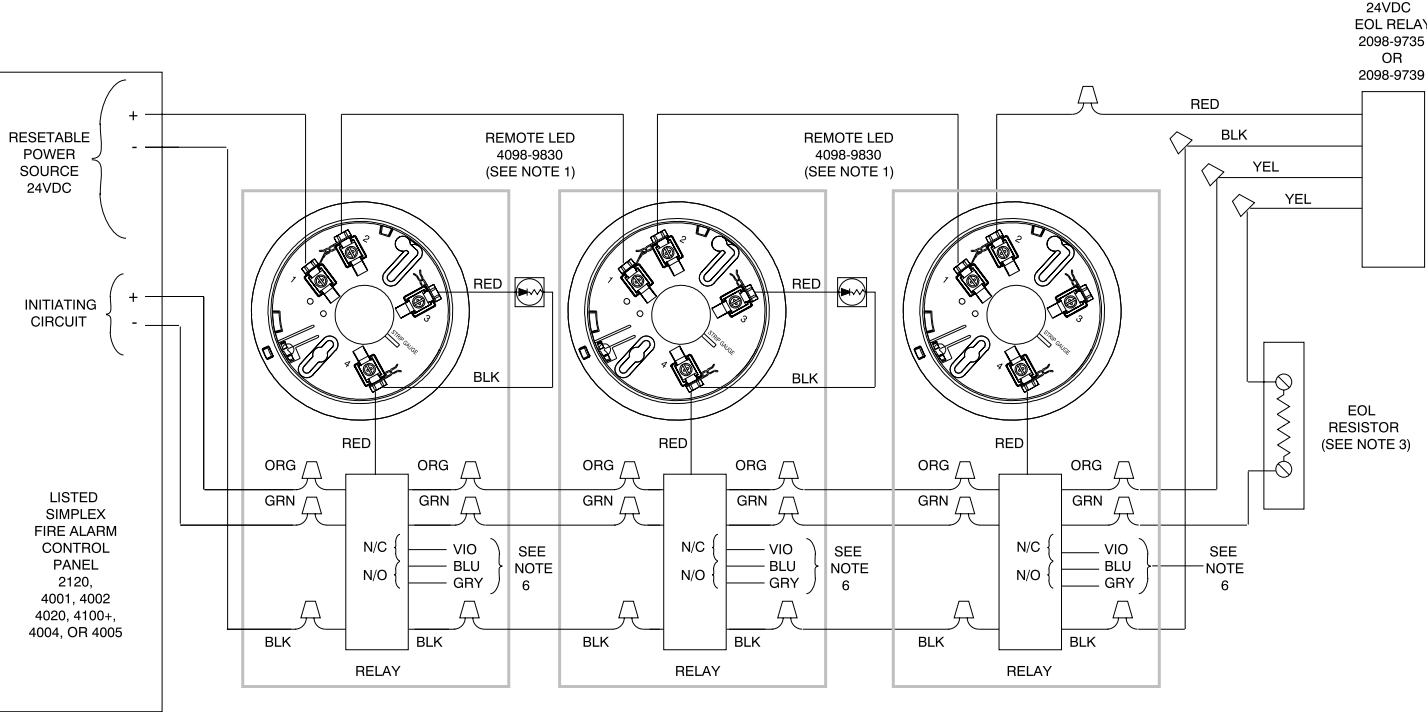


Figure 4. 4098-9682 4-Wire Relay Base

- Notes:**
1. If used, remote LED (4098-9830) is polarized; observe color-coded wiring.
 2. When using 2-wire relay base, wire only one relay base per initiating circuit. No other bases are installed on this circuit.
 3. Refer to wiring diagrams provided with the system panel for proper end-of-line (EOL) resistor values.
 4. It is recommended that the primary-1 and backup-2 lines be in separate wire runs and in compliance with local requirements.
 5. For Style D (formerly Class A), initiating circuit, wire dotted lines and do not use EOL resistor. For Style B (formerly Class B), initiating circuit, refer to wire diagrams provided with the system panel for proper EOL resistor value.
 6. Auxiliary alarm contacts - Form C - each rated 3 amperes at 28VDC/115VAC, resistive.
 7. Break wires before connecting to Terminal 4 to maintain supervision. Do not loop wire underneath Terminal 4.