

INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

The No. 5706 Smoke Detector/Transmitter is intended for use in a 5700 Series Wireless Alarm System. The No. 5706 contains a miniature radio transmitter which can send alarm, supervisory and battery condition messages to the system's receiver/control unit. Up to eight No. 5706s can be used with each 5700 system. See the instructions that accompany the 5700 System for additional information.

OPERATION

In order to reduce the possibility of transmission of alarm signals resulting from conditions of a transitory nature, such as cigarette/cigar smoke, dust, steam, insects, etc., the smoke detector's transmitter will not transmit its wireless alarm signal until, and unless, the smoke detector's local alarm horn has sounded continuously for approximately 6 seconds. This applies to detection of actual smoke alarm conditions as well as to testing via the smoke detector's test button. When testing the smoke detector, it will be necessary to maintain depression of the test button for approximately 15 seconds before the smoke detector starts sounding its local horn. Within 20 seconds thereafter, the transmitter will send its first wireless alarm signal, and the Console will emit two short tones and then display the ID number of the Smoke Detector. A signal will be transmitted approximately

every 12 seconds if depression of the test button is maintained. Upon release of the test button, the smoke detector's local horn will continue sounding for approximately 10 seconds. Approximately 1 second after the horn has stopped, at least one pair of tones will be emitted by the Console and the ID number displayed at the Console will clear. For additional information, see the section herein entitled FINAL TEST.

In addition to the transmission of wireless signals as described above, the Smoke Detector will also provide certain indications of the Detector's status by means of its own electronic horn (as previously mentioned) and solid-state indicator light. The table that follows describes the manner in which the horn and indicator light will act under various conditions.

TABLE 1

Detector Status	Detector Horn	Indicator Light
Normal, functioning properly.	Silent.	Flashing about 5 times each minute.
Low battery or Detector malfunction.	Beeping once every 50 seconds.	Flashing about 5 times each minute.
Alarm, detecting smoke.	On continuously.	Rapid flashing.

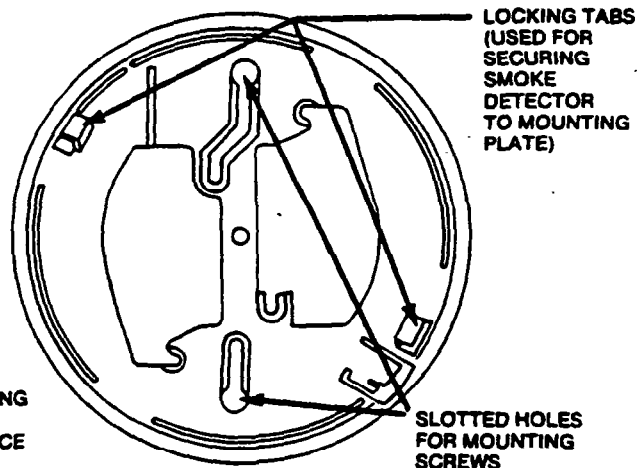
INSTALLATION PROCEDURE

Refer to Diagrams 1 and 2

1. Remove the mounting plate from the smoke detector (if attached).
2. Set the Coding Switches in the smoke detector for the assigned "House ID" and "Transmitter ID" numbers as indicated in Diagram 2 (see Diagram 1 for location of the coding switches in the detector).
3. Select a location for the smoke detector, referring to the section on a subsequent page of this manual entitled "Recommended Locations for Smoke Detectors". A good RF transmission path should then be established from the proposed location before permanently installing the Smoke Detector. Read the general information covering this subject in the Installation Instructions for the 5700 System (see "A. Preliminary Location Considerations"), and then perform the following transmission path test:
 - a. Set the system in the TEST mode via the console.
 - b. Install the 9V battery in its correct position in the smoke detector's battery compartment as shown in Diagram (if necessary, refer to GENERAL SPECIFICATIONS for battery types). Be sure to install the battery in accordance with the polarity indicated.

Note: If the battery is not installed correctly, the smoke detector will not function. If the unit appears not to be sending a signal during any of the tests that follow, check for correct battery installation.
 - c. Depress the test button on the smoke detector and hold in. Within 15 seconds, the detector's horn will start to sound. Within 20 seconds thereafter, the unit will begin to transmit "alarm" signals approximately once every 12 seconds as long as the test button is kept depressed.
 - d. Determine whether there is good signal reception from the proposed location for the smoke detector/transmitter by using the test mode in the 5720 control (refer to the 5720 Installation Instructions for a description). In any event, if a good transmission path exists, the following should occur. With the system's receiver/control in the TEST mode, and while the smoke detector/transmitter is transmitting "alarm" signals, the console will emit at least two audible sounds each time an "alarm" signal is received and will display the transmitting smoke detector's ID number.
 - e. When the above has occurred, release the test button. Within 10 seconds, the detector's horn will stop. Approximately 1 second thereafter, the console will emit two additional tones, accompanied by removal of the ID from the display.
 - f. This completes the transmission path test. Proceed with the remainder of the installation procedure.

4. Install the mounting plate on ceiling or (if local ordinances permit) on wall (see Diagram 3). Use the two screws and anchors provided.
5. Latch the smoke detector onto the mounting plate as follows: Align the detector against the plate by mating the small center post on the detector with the "dimple" at the center of the mounting plate. Then turn the detector in a clockwise direction, so that the holding tabs on the detector engage the locking tabs on the mounting plate (see Diagrams 1 and 3).
6. This completes the installation of the No. 5706 Smoke Detector/Transmitter. The installed unit should now be re-tested for proper operation as outlined in FINAL TEST. For additional information (operation, testing maintenance), see the instructions that accompany the 5700 System as well as those in the User's Manual for the 5700 System.



NOTE: OTHER SIDE FACES CEILING OR WALL (THE WORDS "SINGLE GANG" MUST FACE AWAY FROM MOUNTING SURFACE).

Diagram 3. MOUNTING PLATE FOR SMOKE DETECTOR

FINAL TEST

The following procedure tests the Smoke Detector/Transmitter after installation is completed. This test should also be performed on a regular basis (at least weekly) by the user.

1. Set the system in the TEST mode via the console.
2. Press the smoke detector's test button and maintain pressure on it for the following sequence of events:
 - a. Within 15 seconds, the smoke detector will begin its audible alarm.
 - b. Within 20 seconds thereafter, the smoke detector will begin transmitting alarm signals (every 12 seconds) to the receiver control and the console will emit two sounds each time a signal is received. The detector's transmitter ID will also be displayed on the console.
3. Release the test button. The audible alarm from the smoke detector will continue for up to 10 seconds. Approximately 1 second after the audible alarm's cessation, one pair of sounds will be emitted at the console as the unit's display at the console clears.
4. Return the system to the DISARMED state via the console (security code plus OFF).

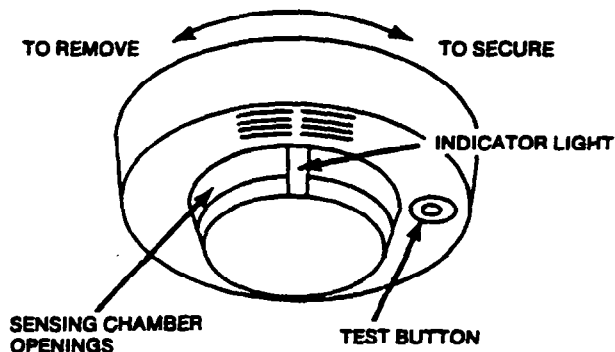


Diagram 4. OPERATIONAL FEATURES

BATTERY REPLACEMENT

The smoke detector's 9-volt battery should be changed within 30 days following a "LOW BATTERY" message at the Console. The smoke detector itself will also provide a "Low Battery" indication by producing a "beep" once approximately every 50 seconds.

To replace the battery, detach the smoke detector from its mounting plate by twisting the detector counterclockwise. Remove the existing battery in the detector and replace with a fresh battery (see GENERAL SPECIFICATIONS for recommended battery types). See Diagram 1 for proper battery

positioning. Latch the smoke detector onto the mounting plate again by turning it in a clockwise direction.

Note: If the battery is not installed correctly, the smoke detector will not function. Always test the unit (as indicated under "FINAL TEST") after replacing the battery to ensure that the built-in transmitter is sending signals. If the unit fails to transmit a signal during the test, check for correct battery installation.

GENERAL SPECIFICATIONS

Physical: Diameter: 6- $\frac{1}{4}$ " (17 cm)
(Overall) Height: 2- $\frac{1}{2}$ " (6.4 cm)

Electrical: Voltage: 9V from single 9V Alkaline battery. Use Ademco 464, Eveready 522, Duracell MN1604, or equivalent.

TO THE INSTALLER

Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user are vital to continuous satisfactory operation of any alarm system.

The installer should assume the responsibility of developing and offering a regular maintenance program to the user as well as acquainting the user with the proper operation and limitations of the alarm system and its component parts. Recommendations must be included for a specific program of frequent testing (at least weekly) to insure the system's proper operation at all times.