

INSTALLATION INSTRUCTIONS

OVERVIEW

The Smoke Sensor is a photo-electronic type detector that contains its own alarm horn and low battery annunciator. It has an output that will trip a special Learn Mode transmitter already built into the detector. A normally functioning smoke detector has an indicator light that flashes continuously about 4 times a minute. The smoke detector is powered by two 9-volt alkaline batteries; both are monitored. The horn in this smoke detector meets or exceeds current audibility requirements of Underwriters Laboratories (UL); however, the horn may not wake up a sound sleeper if a closed door is between the detector and sleeper.

The Learn Mode Smoke Sensor:

- is UL recognized as a system component.
- contains an RF transmitter capable of transmitting at least 500 feet in open air.
- emits a pulsing tone and its indicator light flashes rapidly during an alarm.
- is powered by two 9-volt alkaline batteries that last at least 12 months.
The approved batteries are Eveready #522, Duracell #MN1604, or Ultralife U9VL.
- if the batteries are low, emits a short "beep" sound every minute and sends a low battery report to the Central Station.
- monitors smoke detectors and emits a short "beep" every minute if a failure is detected.
- sends a supervisory signal to the MCU every 64 minutes.
- operates in temperatures of 40° to 100° F.

The location for the Smoke Sensor will be different in each residence based on the residence design. Install this smoke detector in accordance with the National Fire Protection Association, Standard 74. Additional information on Household Fire Warning is available at nominal cost from: The National Fire Protection Association, Batterymark Park, Quincy, MA 02269. Request NFPA Standard 74.

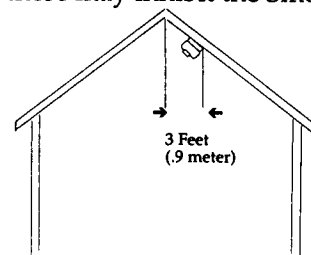
The following are some guidelines for installation:

DO

- try to keep all sensors within 100 feet of the MCU (Master Control Unit). The 100-foot distance recommendation is given as a starting guide line. The Smoke Sensor has an open air range of at least 500 feet, but the installation environment will influence this range.
- determine the best locations for each Smoke Sensor to optimize early detection and maintain accessible escape routes out of the building.
- locate a Smoke Sensor at the bottom of the basement stairwell(s). For stairwells on other levels, it is best to locate Smoke Sensors at top of the stairwell.
- mount sensors on ceilings whenever possible. Make sure that the Smoke Sensor is no closer than 4" to any wall.
- place the Smoke Sensor no more than 6" from ceiling for wall mounting.
- locate the Smoke Sensor in any hallway servicing bedrooms. For maximum protection, place a Smoke Sensor inside each bedroom, especially smokers' bedrooms or rooms where electric blankets or other electrical devices are used.

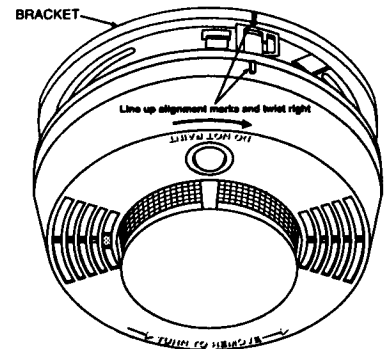
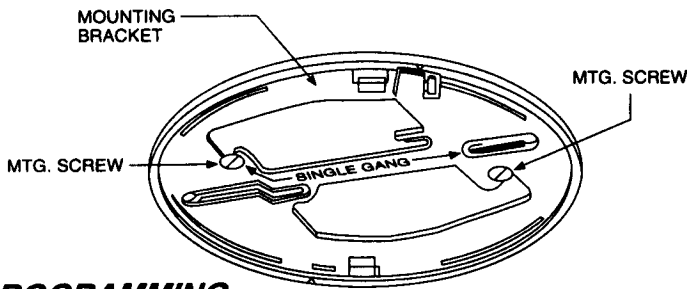
DON'T

- mount Smoke Sensors in rooms with sloped, peaked, or gabled ceilings whenever possible. If unavoidable, mount detector(s) 3 feet (.9 meter) measured horizontally from the highest point of the ceiling. Refer to diagram below.
- mount Smoke Sensor in or near damp or very humid areas such as bathrooms with showers.
- install in areas with excessive metallic surfaces or electrical wiring as these may inhibit the Smoke Sensor's signals from reaching the MCU.
- install near fluorescent light fixtures. Noise from electrical lights may cause nuisance alarms.
- place sensors in location where the temperature will exceed the Smoke Sensor's operating limits of 40° to 100° F.
- mount in very dusty or dirty areas.
- mount near fresh air inlets or returns or excessively drafty areas.
- mount in areas where many insects are present.



INSTALLATION

1. Remove the sensor's mounting bracket to screw bracket onto mounting surface.
2. Mount bracket directly onto wood surfaces using No. 8, 1 - 1/2" wood screws. If mounting onto plaster or dry wall, use appropriate anchors.
3. Insert batteries, observing proper polarity.
4. Place sensor in mounting bracket by aligning arrows on mounting bracket and smoke detector.



PROGRAMMING

General guidelines for programming this sensor are:

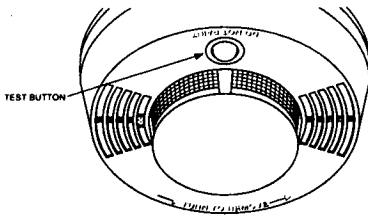
1. Set MCU to Program Mode/Learn Sensors. See the *FONSAFE Installation Manual (46-844)*.
2. Trip the sensor's test button. Test button must be held down for 20 seconds. The smoke detector's audible output will start and the detector will transmit.

NOTE: Refer to the *FONSAFE Installation Manual* for specific instructions on programming this sensor.

INSTALLATION TESTING

Test each sensor to verify that its siren and signal integrity is adequate for continued proper operation of sensor.

1. Press TEST on the MCU.
2. Enter the Master Password.
3. Press 0. The MCU announces: SYSTEM SENSOR CHIME TEST IS ON.
4. Press and hold the test button on the Smoke Sensor for 20 seconds. The smoke detector's audible output will start and the detector's indicator light will flash rapidly. If the MCU beeps 6 to 8 times, the sensor is fine. If the MCU beeps less than 6 times, you may need to reposition or relocate the sensor.



IMPORTANT! Make sure MCU is in Sensor Test Mode before testing sensor to avoid a Fire Department dispatch from the monitoring station.

NOTE: Refer to the *FONSAFE Installation Manual* for procedures on performing a Signal Strength Test on the entire system.

WEEKLY SYSTEM TEST

We suggest that the Smoke Sensor be tested weekly as part of the security system.

Do this by:

1. Notify the Central Station that you will be initiating a phone test fire alarm.
2. Press TEST, enter the Master Password, and press 3.
3. Trip the alarm by pressing and holding the test button on the Smoke Sensor.
4. Verify that the Smoke Sensor caused the system to go into alarm.
5. Verify with the Central Station that the alarm signal was received.

CARE & MAINTENANCE

- Replace batteries once a year or when the detector emits a low battery "beep" signal. Use only Eveready #522 or Duracell #MN1604 batteries.
- Carefully vacuum the dust from black meshed area on top of smoke detector at least once a year.

IMPORTANT! Before cleaning smoke detector, the MCU must be placed in Sensor Test mode.

FCC Notice:

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
 2. This device must accept any interference that may be received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by Sprint can void the user's authority to operate the equipment.

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Sprint Support Line: 1-800-854-5666