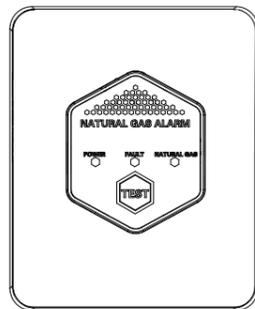


UNIVERSAL[®]

SECURITY INSTRUMENTS

Natural Gas Alarm with 10-Year Battery Instruction Manual



Model: USI/NG/10YR



THANK YOU for purchasing this 10-Year Natural Gas Alarm. This device features a long-life, lithium battery that provides uninterrupted protection—even during power outages. The battery is designed to last approximately 10 years from the date of activation, eliminating the need for battery replacement.

This manual contains essential information on proper installation, operation, maintenance, and testing of your alarm. It also outlines key product features and offers valuable safety tips to help protect you and your household. This alarm is specifically designed to detect natural gas (methane) using advanced sensor technology for reliable, early warning in the event of a gas leak.

Supplier's Declaration of Conformity:

47 CFR § 2.1077 Compliance Information
Responsible Party: Feit Electric Company, Inc.
 4901 Gregg Road, Pico Rivera, CA 90660, USA
 www.feit.com
Unique Identifier: USI/NG/10YR
COMPLY WITH: UL1484

PRODUCT SPECIFICATIONS

- **TARGET GAS:** Methane (natural gas)
- **OPERATING TEMPERATURE RANGE:** 32°F (0°C) to 122°F (50°C)
- **OPERATING HUMIDITY RANGE:** 5% to 95% RH, no condensation
- **POWER:** Replaceable lithium battery pack DC 3V (CR17505*3)
- **SENSOR SENSITIVITY:** 10% LEL*
- **SPEAKER OUTPUT:** Gas alarm: 85 dB at 10 feet

DESCRIPTION:

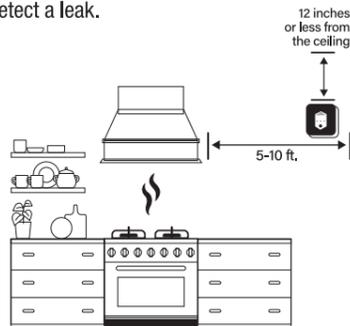
Natural gas is a fossil fuel which consists primarily of methane. This common energy source is often used for cooking, home heating and water heating. Natural gas is typically supplied through a main utility line connected to your home. It is a highly flammable chemical compound. Although it happens rarely, a natural gas leak can sometimes occur inside the home. This can be dangerous because it increases the risk of explosion and fire. Natural gas is odorless and colorless. For safety reasons, an odorant (Mercaptan) is added so that any leak can be detected by smell. Although it can vary greatly, the typical level for detection of the gas is 25% of the lower explosion limit (LEL). People who have a diminished sense of smell may not be able to rely on this safety mechanism. Therefore, installation of this alarm can be an important tool to help protect you and your family. This alarm is calibrated to sound before 10% LEL. Therefore, it is possible that you may smell gas before the alarm is activated. If you are not sure which gas your home uses, contact your utility company.

GAS ALARMS SHOULD BE MOUNTED:

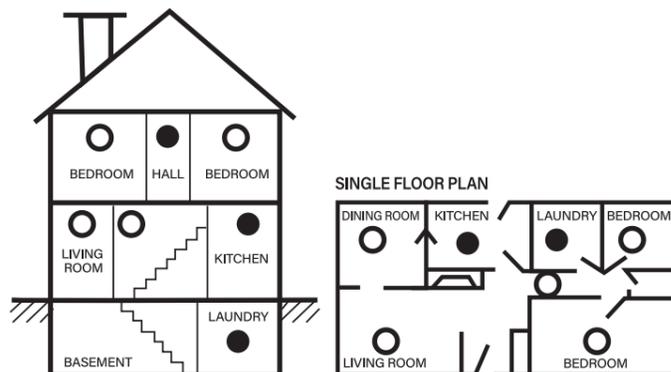
- Within 12 inches (0.3 meters) from the ceiling
- At least 5 feet (1.5 meters) from cooking appliance or cooktop hood.
- At least 3 feet (0.9 meters) away and no more than 10 feet (3 meters) away from gas appliances.
- Where the existing space does not allow for installation at least 3 feet (0.9 meters) from a gas appliance, the gas alarm may be installed less than 3 feet (0.9 meters) from the gas appliance, assuming the gas alarm will not be affected by heat or exhaust gas.

WHERE TO INSTALL THIS ALARM:

Natural gas (methane) is typically supplied through a main utility line connected to your home. Early warning is best achieved by the installation of alarms on all floors and areas of the household. For Gas Alarms, mounting depends on the type of explosive gas you intend to detect. If you do not live in a rural area you are likely to be a user of natural gas. Methane is much lighter than air and will rise rapidly in air. If you are a user of natural gas, the Alarm should be mounted between 6 and 12 inches (152mm and 305 mm) away from the ceiling to ensure the earliest opportunity to detect a leak.



- Install an alarm inside each bedroom where the occupant closes the door while sleeping.
- An alarm should be installed in any family living unit containing a fuel-burning appliance or fireplace or having an attached garage.
- An alarm should be centrally located outside of each separate sleeping area in the immediate vicinity of the bedrooms. Where bedrooms are separated and audibility of the alarm to occupants within the bedroom area could be seriously impaired, more than one alarm could be needed.



- Natural gas alarm required location
- Natural gas alarm for additional protection

IN GENERAL, INSTALL GAS ALARMS:

- WHERE YOU CAN HEAR THE ALARM FROM ALL SLEEPING AREAS.
- In or near bedrooms and living areas or wherever you suspect a gas exposure is likely.
- On each level of a multi-level home.

IMPORTANT!

Installation in an improper location can affect the sensitive electronic components in this alarm. Please review WHERE THIS ALARM SHOULD NOT BE INSTALLED. Not suitable for installation in hazardous locations as defined in the NFPA 70, National Electrical Code. The word "gas" will be used to specifically refer to natural gas.

BASIC SAFETY INFORMATION:

- This alarm is not designed to detect fire or any other gas. Natural gas may be present in other areas. The Natural Gas Alarm will only indicate the presence of natural gas which reaches the sensor. The Natural Gas Alarm is not designed to sense smoke, heat or flames.
- Do not paint the alarm. Paint may clog the openings to the sensing chambers and prevent the alarm from operating properly.
- Do not stand too close to the alarm when it is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.

WHERE THIS ALARM SHOULD NOT BE INSTALLED:

To avoid causing damage to the unit, to provide optimum protection, and to prevent unnecessary alarms. Do NOT locate this alarm:

- In garages, kitchens, crawl spaces and unfinished attics. Avoid extremely dusty, dirty or greasy areas. Installation in these areas could lead to nuisance alarms, may expose the sensor to substances which could damage or contaminate it, or the alarm may not be heard by people in other areas of the home, especially if they are sleeping.
- In the garage, vehicle exhaust can false trigger the alarm. These levels are higher when the engine is first started. Within hours of starting a vehicle and backing it out of the garage, the levels present over time can activate the alarm and become a nuisance.
- In the kitchen, some gas appliances can emit a short burst of gas upon startup. This is normal. If your Gas Alarm is installed too close to these appliances, it may alarm often and become a nuisance.
- Keep alarms at least 20 feet (6m) from the sources or combustion particles (stove, furnace, water heater, space heater), if possible. In areas where a 20 foot (6m) distance is not possible (in modular, mobile or smaller homes for example), it is recommended the alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these alarms at a reasonable distance from a fuel-burning source and reduce "unwanted" alarms. Unwanted alarms can occur if an alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible. If you must install the alarm near a cooking or heating appliance, install at least 5 feet (1.5m) from appliance.
- Curtains or heavy furniture may prevent gas from reaching the sensor.
- In extremely humid areas. This alarm should be at least 10 feet (3m) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room or other source of high humidity.
- In very cold or very hot environments or in unheated buildings or outdoor rooms where the temperature can go below or above the operating range of the alarm. Temperature limits for proper operation are 0° to 120°F (-18° to 49°C).
- In turbulent air, such as near ceiling fans, heat vents, air conditioners, fresh air returns or open windows. Blowing air may prevent gas from reaching the sensors.
- Good ventilation is recommended when household cleaning supplies or similar contaminants are used.
- Excessive spillage or reverse venting of fuel-burning appliances caused by outdoor ambient conditions, such as:
 - Wind direction and/or velocity, including high gusts of wind. Heavy air in the vent pipes (cold/humid air with extended periods between cycles).
 - Negative pressure differential resulting from the use of exhaust fans.
 - Simultaneous operation of several fuel-burning appliances competing for limited internal air.
 - Vent pipe connections vibrating loose from clothes dryers, furnaces or water heaters.
 - Obstructions in or unconventional vent pipe designs which can amplify the above situations.

WHAT YOU SHOULD DO IF THE ALARM SOUNDS:

Never remove batteries to silence the gas alarm. The alarm will automatically sense when the level of natural gas in the air falls below the danger level. You should stay outside the residence in fresh air until the alarm is silenced. When the alarm sounds, do not stand too close to the alarm. The sound produced by the alarm is loud because it is designed to awaken a person in an emergency. Prolonged exposure to the alarm at a close distance may be harmful to your hearing.

Self-adhesive labels have been provided with instructions indicating what to do if the alarm sounds. Add the phone numbers of our emergency services provider and a qualified technician to each label. Place one of the labels in a visible area next to the alarm and place the other label near a source of fresh air which will be used as a gathering place if the alarm sounds.

WHAT TO DO IF NATURAL GAS IS DETECTED:

If you hear the alarm horn sound 1 beep per second, gas has been detected. Evacuate everyone from the building.

1. Leave the house immediately, opening doors and windows as you leave.
2. Do not use your telephone or appliances. Do not turn any light switches off or on. Any spark or flame could ignite the gas.
3. Call 911 and your gas company from a phone that is away from your home.
4. Do not reenter the area until the source of the leak is found and corrected.

WARNING:

If the unit alarms and you are not testing the unit, it is warning you of a potentially dangerous situation which requires your immediate attention. NEVER ignore any alarm. Ignoring the alarm may result in injury or death.

WARNING:

- Do not use this Gas Alarm as a short-term testing device.
- Do not block, cover, obstruct or paint over Gas Alarm. The Gas Alarm can only detect natural gas that reaches Gas Alarm.
- This Gas Alarm will reach the end-of-service life in approximately 10 years after the installation date. Replace after end-of-service life signal is initiated.
- Test product regularly. Alarm batteries must be properly connected at all times.
- Do not modify, disassemble, submerge, strike, crush, or expose Gas Alarm to high levels of volatile organic compounds. This may cause Gas Alarm to malfunction.
- Do NOT test the natural gas alarm using a lighter (which contains propane). Doing so may cause the alarm to temporarily malfunction and fail to trigger.
- Keep out of reach of children.
- For indoor use only.

NOTICE:

- This Gas Alarm only detects natural gas. It does not detect carbon monoxide, fire, heat, smoke, flames, propane or any other gas.
- This Gas Alarm is not a substitute for proper installation, use, and maintenance of natural gas sources. This Gas Alarm does not prevent natural gas leaks from occurring, nor can it solve any existing natural gas problems.

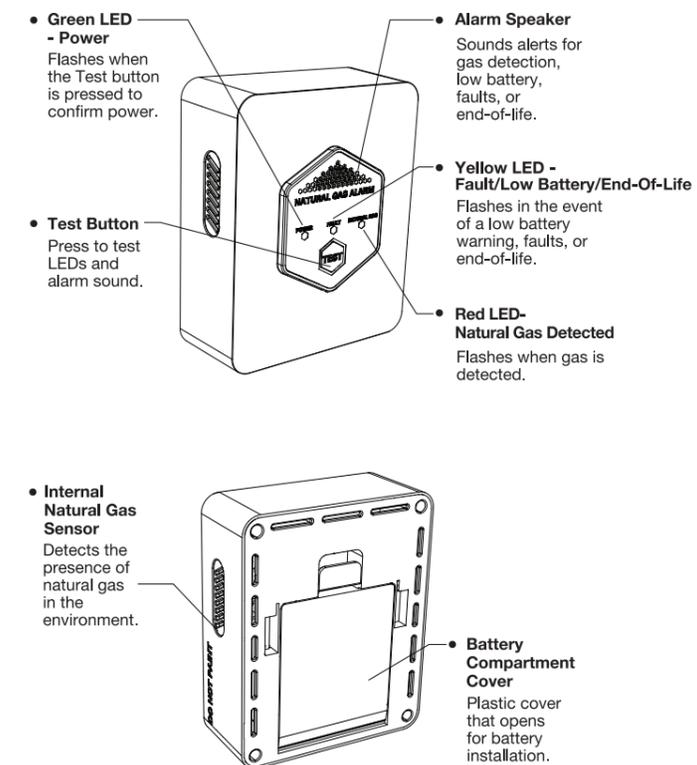
DANGER:

- If you smell natural gas, evacuate the area right away, then call 911 or your gas utility company. Do not wait for alarm to sound.

WARNING:

This Gas Alarm is designed to act as a continuous monitor of natural gas that reaches the sensor. This Gas Alarm should not be used as a short-term testing device to perform a one-time check for the presence of natural gas.

GAS ALARM PARTS:

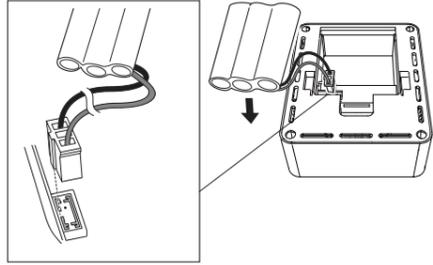


Battery Installation

To install the included batteries:

- Remove the back plate from the Gas Alarm.
- Open the battery compartment cover on the back of the Gas Alarm. Pinch and lift the cover out of place.
- To connect the batteries, press the spring tab and insert the battery harness plug into the Gas Alarm socket as illustrated in the diagram below. Do NOT remove the plastic wrapping around the batteries.

NOTE: Align the notch on the battery connector to ensure proper connection - it only fits one way.



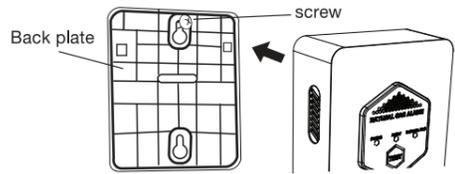
If replacing the batteries, refer to “SCRAP AND DISPOSAL” section for instructions on disposing of the old batteries.

TO MOUNT THE GAS ALARM TO A WALL:

Tools Required: Drill, Drill Bit, and Screwdriver.

Accessories Included: A set of screws and anchors.

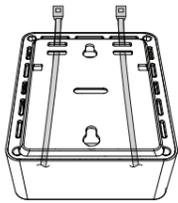
- Choose a location on the wall within 12 inches (0.3 meters) from the ceiling. Make a mark on the wall where you will drill the mounting hole.
- Drill the mounting hole and insert included plastic screw anchor into the hole.
- Tighten the screw into the anchor leaving enough space for the screw to insert into the keyhole slot on the back plate. Then tighten the screw to secure the back plate.
- Mount the Gas alarm onto the back plate by aligning the tabs and lock into place.



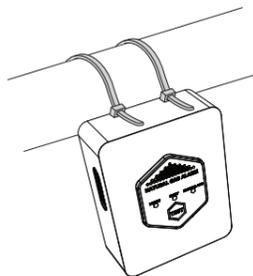
NOTE: It is very important to test this alarm after installation by pressing the test button. Refer to the "Testing the Gas Alarm Functions" section of the User's Manual for complete instructions.

TO MOUNT THE GAS ALARM TO A PIPE:

- Pass cable ties through the holes at the top of the gas alarm. **Cable ties are not included.**



- Wrap the cable ties around the pipe and tie off.



TEST YOUR ALARM:

Test the alarm by pressing the "Test" button before mounting and after mounting.

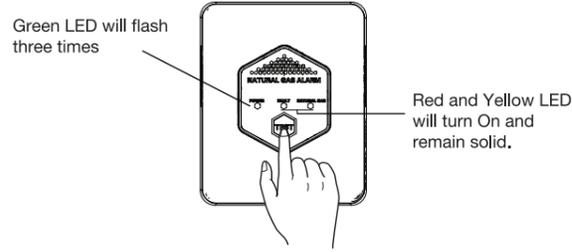
- Refer to the "Testing the Gas Alarm Functions" section of the User's Manual for complete instructions.

CAUTION:

Test your Gas Alarm's power and natural gas leak alarm notifications at least once a week. If the Gas Alarm does not operate properly, it cannot alert you to the presence of natural gas. If your Gas Alarm fails to test, replace your Gas Alarm immediately.

TESTING THE GAS ALARM FUNCTIONS:

The Green LED will flash three times and the Red and Yellow LEDs will turn On and remain solid. This indicates the alarm is working properly.



GAS ALARM FUNCTIONS:

This Gas Alarm is designed to activate an alarm in the event of a natural gas leak, Gas Alarm trouble, low battery, or Gas Alarm end-of-service-life for the Gas Alarm.

NATURAL GAS DETECTED:

A natural gas leak alarm activates when the concentration of natural gas in the area of the Gas Alarm reaches or exceeds 10% LEL for methane. When gas is detected, the alarm will emit a continuous long beep and the Red LED will flash every 1 second to indicate the presence of gas.



NOTE: Once the gas has cleared from the environment, the alarm will automatically stop beeping and the red LED will cease flashing.

FAULT DETECTED:

When a fault is detected—such as a sensor failure or wiring issue—the alarm will emit two beeps and the Yellow LED will flash twice every 60 seconds. This indicates a malfunction that may require servicing or inspection.



LOW BATTERY WARNING ACTIVATION:

When the batteries are low, the alarm will emit a beep and the Yellow LED will flash every 60 seconds. Please see Warranty section for alarm replacement.



GAS ALARM END-OF-LIFE WARNING ACTIVATION:

The Gas Alarm end-of-life warning sounds approximately 10 years after the installation date.

When end-of-life warning is triggered, the alarm will emit three beeps and the Yellow LED will flash three times every 60 seconds.



MAINTENANCE AND CLEANING OF GAS ALARM:

WARNING:

If the Gas Alarm is installed in dusty or dirty atmospheric environments, periodic cleaning of the Gas Alarm should be performed in accordance with these instructions. Dirt and dust can cause Gas Alarm malfunction or obstruct the entry holes in which gas needs to flow to reach the sensor in the Gas Alarm. After cleaning, always test the Gas Alarm to ensure it has not been damaged.

Clean the Gas Alarm to maintain proper operation, by vacuuming the exterior of the Gas Alarm using a household vacuum's soft brush attachment.

Never use water, cleaners or solvents since they may damage the Gas Alarm. Do not use spray cleaning chemicals or insect sprays directly on or near the Gas

Alarm. Do not use any household cleaning agents, ammonia-based cleaners, paints, varnishes, aerosol sprays including compressed gas dusters, or any other chemical on or near this Gas Alarm.

TROUBLESHOOTING:

| Symptom | Cause | Action |
|---|---|---|
| The Green LED does not flash, and Yellow and Red LEDs do not turn solid on, even when the TEST button is pressed. | Battery plug not properly plugged in | Check battery connection is properly plugged in. |
| | Batteries are low | Contact Feit Electric for replacement batteries |
| The Yellow LED is flashing. | Flashes three times every 60 seconds with beeps | This indicates the alarm reached end-of-life. Disconnect battery pack and replace the Gas alarm. |
| | Flashes twice every 60 seconds with beeps | This indicates a malfunction that may require servicing or inspection. Contact customer service at feit.com/help for assistance. |
| | Flashes once every 60 seconds with beeps | This indicates the battery is low. Contact customer service at feit.com/help for assistance. |

SCRAP AND DISPOSAL:

DANGER:

Prior to disposing of this Gas Alarm, remove the batteries and wrap them with tape or similar material as shown in the below image to avoid potential explosion or ignition that may result in injury or fire.

DANGER:

Do not incinerate. Batteries may explode.

When disposing of Gas Alarm, it is important to remove the batteries and wrap with tape or similar, non-flammable material as shown in the below image.

Dispose of batteries in accordance with local regulations relating to non-rechargeable (single use) lithium batteries. Dispose the Gas Alarm following your local regulations for solid waste disposal. Take the Gas Alarm to an electronics recycling facility (where such facilities exist) for disposal.



GENERAL LIMITATIONS OF EXPLOSIVE GAS ALARMS:

This Gas Alarm is intended for residential use. It is not intended for use in industrial applications specified by Occupational Safety and Health Administration (OSHA). This device is not intended to alert hearing impaired residents. Gas Alarms may not waken all individuals. If children or others do not readily waken to the sound of the Gas Alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist them in the event of an emergency.

This Gas Alarm will not sense gas that does not reach the sensors. It will only sense gas at the sensor. Gas may be present in other areas. Doors or other obstructions may affect the rate at which gas reaches the sensors. Gas Alarms may not be heard. The alarm horn loudness meets or exceeds current UL standards of 85 dB at 10 feet (3 meters). However, if the Gas Alarm is installed outside the bedroom, it may not wake up a sound sleeper. This is especially true if the door is closed or only partly open. Even persons who are awake may not hear the alarm horn if the sound is blocked by distance or closed doors. Noise from traffic, stereo, radio, television, air conditioner, or other appliances may also prevent alert persons from hearing the alarm horn. This Gas Alarm is not intended for people who are hearing impaired.

This Gas Alarm is not a substitute for life insurance. Though this Gas Alarm warns against increasing presence of gas, Feit Electric Company Inc. does not warrant or imply in any way that they will protect lives. Homeowners and renters must still insure their lives. This Gas Alarm is not foolproof. It can only detect gas that reaches the sensors. It may not give early warning of the source of gas in a remote part of the home, away from the alarm device.

This Gas Alarm has a limited life. Although this Gas Alarm and all of its parts have passed many stringent tests and are designed to be as reliable as possible, any of these parts could fail at any time. Therefore, you must test this device weekly. The unit should be replaced immediately if it is not operating properly.

WARRANTY INFORMATION:

TEN-YEAR LIMITED WARRANTY:

This product is warrantied to be free from defects in material and workmanship for a period of 10 (ten) years from the date of purchase. For products containing a sealed battery, this warranty does not cover any damage that may be caused by the battery. This warranty applies only to the original consumer purchaser and only to products used in normal residential use and service. If this product is found to be defective, the only obligation, and your exclusive remedy, is the repair or replacement of the product, at the company's discretion, provided that the product has not been damaged through misuse, abuse, accident, modification, alteration, neglect, or mishandling. This Warranty shall not apply to any product which is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with this product.

ALARM RETURNS:

For replacement of this alarm under the terms of this Warranty, please contact customer service at feit.com/help for assistance. The company does not warrant, and specifically disclaims any warranty, whether express or implied, of fitness for a particular purpose, other than the warranty contained herein. No implied warranty on this product, created by state law, shall extend beyond the term of this warranty unless such law otherwise provides. The company specifically disclaims any liability and shall not be liable for any consequential or incidental loss or damage, including, but not limited to, damages to any equipment with which this product is used. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. No agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or terms of this Warranty. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state. This Warranty is only valid for merchandise purchased from outlets in the United States and Canada. This warranty expires upon product end-of-service life signal.