

ORIGINAL OWNERS REPLACEMENT RECORD

Replace this SAFE-T-ALERT™ propane alarm 5 years after retail purchase.

Purchase Date _____

Replacement Date _____

Installer _____

NOTE: The replacement date indicates the date beyond which the device may no longer detect accurately. The alarm should be replaced immediately.

LIMITED PRODUCTS WARRANTY

MTI INDUSTRIES, INC. Warrants to the original purchaser that this alarm will be free from defects of material or workmanship for a period of one (1) year. If defective in original materials or workmanship and returned, delivery costs prepaid, MTI INDUSTRIES, INC., will repair or replace this product free of charge.

LIMITS OF WARRANTY

Repair or replacement is your exclusive remedy under this limited warranty or any other warranty (including any implied warranty of merchantability for a particular purpose). Any and all implied warranties or merchantability or fitness for a particular purpose is limited to the warranty period from the original date of purchase. MTI INDUSTRIES, INC., its dealers and distributors shall in no case be responsible or in any way liable for any incidental or consequential damages for any reason. Some states do not allow the limitation or exclusion of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific rights, and you may also have other rights that may vary from state to state.

WARRANTY RETURN POLICY

Warning-opening this product for any reason voids the warranty. There are no user serviceable parts in the case. This alarm requires an authorization number (RA) for repair or replacement. Call MTI for a RA number. Pack the alarm carefully in a padded container. Include the RA number, an explanation of the problem, the original dated sales receipt, and your return address. Send, shipping prepaid, to:

MTI Industries, Inc.
31632 N. Ellis Drive Bldg. 301
Volo, IL 60073

Customer Service Number: 800-383-0269
E-Mail: info@mtiindustries.com
Web: www.Safe-T-Alert.com

SPECIFICATIONS

POWER SUPPLY 120 vAC 60Hz
OPERATIONAL VOLTAGE 102 to 132 vAC
NOMINAL CURRENT DRAW 3.8 Watts @ 120 vAC

OPERATIONAL TEMPERATURE -31° F to 150° F
-35° C to 66° C

RELATIVE HUMIDITY 15% to 93%
AUDIBLE OUTPUT 85 dB @ 10 feet

VISUAL OPERATIONAL SIGNAL GREEN
VISUAL ALARM SIGNAL RED

ALARM TRIGGER < 25% of the LEL of
Propane and Methane

CONFIRMATION CIRCUIT 8 Seconds

CASE DIMENSIONS 5.5" W x 3.5" H x 1.40" D

CASE MATERIAL Geon 3700
FLAME RATING 94-5VA
WARRANTY 1 Year Limited

TESTING Conforms to UL 1484 Rev.2
LABORATORY Gas Detectors For
STANDARD Residential/Unconditioned
Area Use

HOW TO TAKE CARE OF YOUR DETECTOR

To keep your detector in good working order, you must;

- Test the alarm weekly. (See "TESTING")
- Do not block or cover the alarm with any object that can prevent a gas leak from reaching the sensor.
- Observe the color of the indicator light on the front of the unit regularly. (See "OPERATION")
- Vacuum the dust off the detector cover weekly, (more frequently in dusty locations), using the soft brush attachment of your vacuum.
- Clean the detector cover weekly. Hand wash using a damp cloth, or paper towel. Dry with a soft cloth.
- DO NOT SPRAY CLEANING AGENTS OR WAXES directly onto the front panel. This action may damage the sensor, cause an alarm or cause a detector malfunction.

PROCEDURES TO TAKE DURING AN ALARM

1. TURN OFF ALL GAS APPLIANCES, (STOVE, HEATERS, FURNACE), EXTINGUISH ALL FLAMES AND SMOKING MATERIAL. EVACUATE, LEAVE DOORS AND WINDOWS OPEN. DO NOT TURN LIGHTS ON OR OFF. DO NOT USE A LIGHTER OR MATCH.
2. TURN OFF THE PROPANE \ CNG TANK VALVE. IF POSSIBLE TURN OFF MAIN GAS SUPPLY.
3. DETERMINE AND REPAIR THE SOURCE OF THE LEAK. SEEK PROFESSIONAL HELP IF NECESSARY.

CAUTION - DO NOT RE-ENTER UNTIL THE PROBLEM IS CORRECTED.

TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE AND SOLUTION
No LED Light	1. Faulty Outlet - try another Outlet 2. Call 800-383-0269
No Sound In Test	1. Call 800-383-0269
No Red LED In Test	1. Call 800-383-0269
Alarms After Warm Up With Out Gas Present	1. Contaminated Sensor - Press Test Mute Switch And Wait 90 seconds
Audible Alarm With Red-Green LED No Reset	1. Call 800-383-0269

LED AND SOUNDER SIGNALS

Operation	Audible Signal	Visual Signal
Normal	None	Steady Green
Gas Alarm	Constant	Flashing Red
Alarm Malfunction	Beep Every 30 Seconds	Alternating Red/Green
End Of Life	Beeps Every 25-30 Seconds	Flashing Red Red Green Green



PROPANE/METHANE GAS DETECTOR

Models 40-411-P

USER'S MANUAL

Manufactured by:

MTI Industries, Inc.

IMPORTANT
PLEASE READ CAREFULLY

This manual contains important information. Purchasers who install this detector for use by others must leave this manual with the owner.

Do not throw out.

IMPORTANT: Always follow the operation and safety instructions of the gas appliance manufacturer.

IMPORTANT: Failure to follow the installation instructions may void the warranty.



THIS DETECTOR WILL NOT OPERATE DURING A POWER FAILURE. DO NOT INSTALL TO A WALL SWITCHED or GFI CONTROLLED OUTLET.

SPECIAL FEATURES OF THE
SAFE-T-ALERT™ GAS DETECTORS

Your Safe-T-Alert™ gas detector uses the latest microprocessor technology. This detector has been tested and listed as a Propane and Methane (Natural Gas) detector. Other explosive gases detected but not tested by Underwriters Laboratories include Acetone, Alcohol, Butane, Gasoline all of which you may have in your home.

To prevent false alarms from brief "puffs" of explosive gases the detector has a short recheck cycle before alarming. If high levels of explosive gases remain after recheck the detector will alarm.

INSTALLATION INSTRUCTIONS

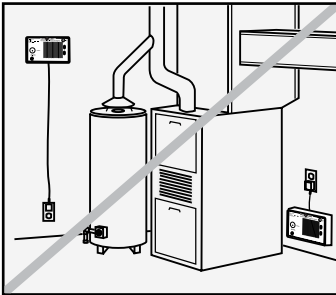
⚠ WARNING SHOCK HAZARD
TURN OFF THE CIRCUIT BREAKER BEFORE
INSTALLING. DO NOT INSTALL IN A WALL SWITCH
CONTROLLED OUTLET.

NOTE: Older homes may have little insulation and therefore are more drafty. Carefully consider mounting locations. REFER TO (“WHERE TO AND NOT TO INSTALL GAS ALARM”)

CAUTION: Propane is heavier than air if the detector is being used for propane gas the detector should be installed within 4 to 20 inches from the floor.

CAUTION: Methane is lighter than air and the detector should be installed high on the wall or on the ceiling at least 12 inches from a corner.

NATURAL GAS - To detect Natural Gas place the detector high - Natural Gas rises.



PROPANE GAS - To detect Propane Gas place the detector low - Propane Gas sinks.

POWER SUPPLY: 120 VAC. 60 Hz

1. Determine the proper installation location (SEE WHERE TO AND WHERE NOT TO INSTALL GAS DETECTOR SECTIONS).
2. Remove the screw from your wall plate, plug the transformer into the outlet. Place the “L” shaped bracket over the transformer and use the screw to fasten it to the wall plate.
3. Fasten the detector to the wall using the two screw holes located on the front of the case. Reconnect the power supply. Coil any loose wire to prevent tripping.

WHERE TO INSTALL GAS DETECTORS

This gas detector is approved for installation in homes. This detector is detector should be located near sources of a potential gas leak. Some examples are a furnace, water heater, stove/oven, where the gas enters the building. If potential sources of gas leaks are in two or more separated areas, MTI recommends installing a detector in each area.

WHERE NOT TO INSTALL THIS GAS DETECTOR

- Behind furniture, drapes, in closets or areas that will block air flow to the detector.
- Within 12 inches of corners, exterior doors, windows, heating or return vents, or other drafty areas.
- In or on outside walls or within 12 inches of corners.
- To a wall switch controlled power line, ground fault circuit or circuit breaker.
- Do not install this alarm in a Recreational Vehicle or a boat.

OPERATION

⚠ WARNING
This alarm cannot detect gas or sound the alarm for three minutes after it has been turned on.

POWER ON Warm Up: When power is first applied the Yellow LED will flash for 3 minutes while the detector is warming up. At the end of that time the LED will turn Green indicating full operation. If the detector has detected unsafe levels of gas it will immediately go into alarm.
CAUTION: This detector cannot alarm during the 3 minute warm up cycle.

End of Life Signal: Sensor has a 5 Year Service Life All 40-411-P models include an End of Life (EOL) Signal indicating the sensor has reached the end of its service life and you must replace the alarm. The signal is the LED flashing RED RED GREEN GREEN with a beep every 25-30 seconds. The EOL Signal may be reset by pushing TEST / RESET button on the alarm. This will reset the EOL Signal for a period of 72 hours (3 days) for a total of up to 30 days. After 30 days the signal cannot be reset and the alarm must be replaced.

DO NOT DISCONNECT THE ALARM UNTIL YOU HAVE A REPLACEMENT ALARM AVAILABLE TO INSTALL.

TESTING

⚠ WARNING
TEST THE OPERATION OF THIS DETECTOR AT
LEAST ONCE PER WEEK.

⚠ WARNING
THE TEST BUTTON ONLY TESTS THE ALARM
CIRCUIT, NOT THE SENSOR. YOU MAY USE
PROPANE OR BUTANE GAS TO TEST THE SENSOR.
REPLACE THE ALARM AFTER 5 YEARS.

Simply press the Test/Mute switch at any time the alarm is powered. The LED should turn RED and the alarm should sound. Release the switch.

IMPORTANT - If this alarm does not test properly return it immediately for repair or replacement.

ALARM SIGNAL: The Green LED will turn Red and the audible signal will activate whenever the level of gas exceeds the alarm threshold. The unit will continue to alarm until the gas clears or the Mute switch is pressed. See (Procedures To Take During An Alarm and Alarm Signal Mute sections)

ALARM SIGNAL MUTE: Press the TEST-MUTE button when the detector is in alarm. 1. The audible alarm signal will stop, 2. the RED Alarm LED will remain on until the gas has dropped below the alarm point at which time the LED will turn Green, 3. If dangerous gas levels remain after the end of the Mute cycle (about 90 seconds) the alarm will re-activate.

MALFUNCTION ALARM: A fault in the sensors operation or low battery voltage will activate the malfunction alarm. The LED will flash Red - Green and the sounder activate. The Reset switch will not function. REMOVE THE DETECTOR IMMEDIATELY AND RETURN IT FOR REPAIR OR REPLACEMENT.

LOW POWER OPERATION: This detector will operate normally down to 102 vAC. Do not operate this detector below 102 vAC.

⚠ WARNING
LIMITATIONS OF PROPANE GAS ALARMS

This detector will not work without power. Examples causing no power are: an open circuit breaker, a faulty power line connection, an open main breaker.

This alarm will only indicate the presence of propane or methane gas at the sensor. Explosive gas may be present in other areas. If you smell unusual odors you may have a gas leak. Immediately call the local gas supplier or fire department to check for possible leaks.

This detector may not be heard. The alarm loudness meets or exceeds regulatory standards. However, if this alarm is in remote locations or behind closed doors the alarm may not be heard. Persons who are hard of hearing may not hear the alarm.

This detector is not a smoke/fire alarm. It is also not a carbon monoxide alarm. This alarm is not suitable for installation in hazardous areas as defined in the National Electrical Code.

⚠ WARNING
Residential and Industrial Use Only

This alarm is for use with 120 VAC power only. Do not cut the transformer wire and attempt to use as a 12 or 24 volt alarm. Cutting the transformer wire voids the warranty.