LIMITATIONS OF PROpane GAS DETECTORS

This unit will not work without power. Examples causing no power are: Cut lead wires, faulty circuit connection, a blown or missing fuse, improper supply (+) or ground (-) connections.

This Detector will only indicate the presence of propane gas at the sensor. Explosive gas may be present in other areas.

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

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

HOW TO TAKE CARE OF YOUR DETECTOR

To keep your Detector in good working order, you must:

- Test the Detector weekly. (See "TEST PROCEDURE")
- Observe the color of the indicator light on the front of the unit regularly. (See "Operating Instructions")
- 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 malfunction.

WHERE TO INSTALL GAS DETECTORS

This Detector is UL listed for installation in recreational vehicles. Install this Detector near sources of a potential gas leak. Some potential sources are a furnace, water heater, stove or oven. If potential sources of a gas leak are in separated areas, MTI recommends installing a Detector in each area. See Figure 1 and 2.

CAUTION: Propane is heavier than air. For propane gas detection, install this Detector from 4 to 20 inches off the floor.

OPERATION

WARNING: This Detector cannot detect propane gas or sound the Alarm for two minutes after it has been turned on.

POWER ON: When powered the LED color will be Green (Operational).
TESTING

⚠️ WARNING: TEST THE OPERATION OF THIS DETECTOR AFTER THE RECREATIONAL VEHICLE HAS BEEN IN STORAGE. BEFORE EACH TRIP AND AT LEAST ONCE PER WEEK DURING USE.

⚠️ WARNING: DO NOT USE A CIGARETTE LIGHTER. THE BUTANE GAS MAY DAMAGE THE SENSOR.

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

IMPORTANT: If this Detector 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 propane gas exceeds the Alarm threshold. The unit will continue to Alarm until the gas clears or the Mute switch is pressed. Press the Test/Mute switch to activate. The Detector will operate normally down to 8 VDC.

ALARM SIGNAL MUTE

Press the TEST-MUTE button when the detector is in Alarm. The audible signal will stop, the LED will turn RED and the audible Alarm signal will re-activate. The sensor will then automatically try to re-activate the alarm.

MALFUNCTION ALARM

A fault in the sensors operation or low battery voltage will activate the malfunction Alarm. The LED will turn Red and the sounder activate.

IMPORTANT: IN THE EVENT OF A MALFUNCTION ALARM check the batteries voltage. If the voltage is above 8v DC, call 1-800-383-0269. Do not Use your RV without a working Gas Detector installed.

LOW POWER OPERATION

This Detector will operate normally down to 8 VDC. Low voltage will activate the malfunction alarm.

End of Life Signal – The Sensor has a 5 Year Service Life

All 20-441-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 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.

LED and Sounder Signals

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>AUDIBLE SIGNAL</th>
<th>VISUAL SIGNAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORMAL</td>
<td>NONE</td>
<td>STEADY GREEN</td>
</tr>
<tr>
<td>PROPANE ALARM</td>
<td>CONSTANT</td>
<td>FLASHING RED</td>
</tr>
<tr>
<td>ALARM</td>
<td>BEEP EVERY 30 SECONDS</td>
<td>ALTERNATING RED/GREEN</td>
</tr>
<tr>
<td>ALARM MALIGNMENT</td>
<td>BEEPS EVERY 25-30 SECONDS</td>
<td>FLASHING RED GREEN GREEN</td>
</tr>
<tr>
<td>END OF LIFE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TROUBLE SHOOTING GUIDE

PROBLEM |
--- |
LED OFF 1. FAULTY WIRE CONNECTION 2. REVERSE POLARITY 3. BAD OR MISSING FUSE 4. DEAD BATTERY

CAUSE AND SOLUTION

NO SOUND IN TEST 1. Call 800-383-0269

NO RED LED IN TEST 1. Call 800-383-0269


WARM UP WITHOUT GAS PRESENT 1. Call 800-383-0269

AUDIBLE ALARM WITH RED/GREEN LED NO RESET

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>12 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operational Voltage</td>
<td>8-16 VDC</td>
</tr>
<tr>
<td>Current Draw</td>
<td>90 mA @ 12 VDC</td>
</tr>
<tr>
<td>Operational Temperature</td>
<td>-31°F to 150°F -35°C to 66°C</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>15% to 93%</td>
</tr>
<tr>
<td>Audible Output</td>
<td>85 dB @ 10 feet</td>
</tr>
<tr>
<td>Visual Operational Signal</td>
<td>GREEN</td>
</tr>
<tr>
<td>Visual Alarm Signal</td>
<td>RED/GREEN</td>
</tr>
<tr>
<td>Audible Signal Mute Signal</td>
<td>RED</td>
</tr>
</tbody>
</table>

Troubleshooting Guide

Faulty Wire Connection

Reverse Polarity

Bad or Missing Fuse

Dead Battery

No Sound In Test

No Red LED In Test

Alarms After Warm Up Without Gas Present

Audible Alarm With Red/Green LED No Reset

Trouble Shooting Guide

Problem |
--- |
LED off 1. Faulty Wire Connection 2. Reverse Polarity 3. Bad or Missing Fuse 4. Dead Battery

Cause and Solution

No Sound in Test 1. Call 800-383-0269

No Red LED in Test 1. Call 800-383-0269

Alarms After Warm Up Without Gas Present Wait 90 seconds

Audible Alarm With Red/Green LED No Reset

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. Replace the Detector immediately.

Limited Products Warranty

MTI INDUSTRIES, INC. Warrants to the original purchaser that this Detector 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 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, 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 Detector requires an authorization number (RA) for repair or replacement. Call MTI for a RA number. Pack the Detector 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 eMail info@mitindustries.com www.Safe-T-Alert.com

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