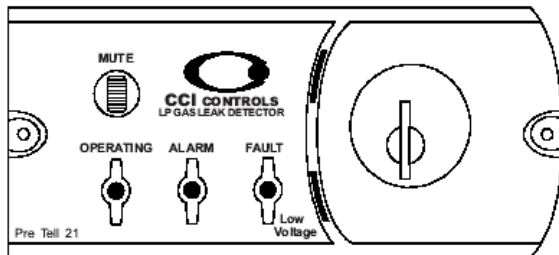


## LP LEAK DETECTOR

*Note: The following information is for the CCI Controls model 7770 lp gas leak detector we are currently using. Over the years we have utilized a variety of similar devices, so this may not apply to your specific unit. The basics of operation should be similar, but for details pertaining to your detectors, refer to your owner's packet or info-case.*



### HOW TO OPERATE:

Your gas leak detector is operating at all times when it is connected to its power source. This detector is a safety device and must not be connected in such a way as to allow it to be switched off or become disconnected from its power supply. When the coach is equipped with a master cutoff switch, the detector will be turned off when this switch is turned OFF. When the detector is powered or turned ON by the master cutoff switch, the green operating LED will light. After 60 seconds, the detector will begin monitoring the environment for combustible vapors. The propane you use to cook, refrigerate, and heat with is combustible.

Should a leak occur, when the gas reaches the detector in sufficient concentration, your detector will produce pulsating alarm sound and the RED alarm indicator will light. This alarm will continue to sound until the gas has dissipated or until the mute button is pressed. **When the alarm sounds, open all doors and major windows to air out the area and turn the gas off at the tank. Do not reenter the effected area until the alarm stops sounding. If the alarm sounds a second time after the gas tank is turned back on, leave the gas off and have a qualified Gas Dealer or RV Service Center make the necessary repairs to the source of the gas leak.** The mute button only stops the alarm from sounding for 60 seconds. The alarm will reoccur if gas is still present. This detector only indicates the presence of propane gas at the sensor. Propane gas may be present

in other areas. This device is intended for detection of Propane Gas leaks ONLY.

### ABOUT YOUR GAS DETECTOR:

It is important to be aware of the difference between a gas leak versus gas escaping from an unlit, open burner. Pure propane gas from a leaking pipe or a gas fitting is heavier than air and will build up its heaviest concentration at floor level first. Gas from open burners is intentionally mixed with air to induce burning and will dissipate into the air. The primary purpose of this detector is to detect gas leaks, this it is located near the floor for optimum performance.

The propane from open burners is mixed with air (oxygen) so that it will burn. When mixed with air, the gas becomes only marginally heavier than air and may not sink to the floor. If a burner is left on, the area around the burner, range and adjoining counter space will be combustible and will cause injury and damage if ignited. This condition may exist for an extended time period before the gas can reach the detector's location and be detected. This detector only indicates the presence of LP gas at the sensor. LP gas may be present in other areas.

Other combustibles which may be detected by the detector include alcohol, liquor, deodorants, colognes, perfumes, wine, adhesives, lacquer, kerosene, gasoline, glues, most all cleaning agents and the propellants of aerosol cans. Most are lighter than air in their vapor state and will only be detected when the area is closed up. Glues and adhesives may exhaust hydrocarbon vapors for months after they are applied. They are easily activated by high temperatures. If you close up a RV coach on a hot day, the chemicals used in construction may be detected for months after the coach was manufactured.

When installed in an RV, the detector is powered by your RV battery and/or your converter. This detector draws less current than drawn by one instrument panel lamp. Your detector will operate to detect gas until your battery is drained down to 8.5 volts. (Your low battery condition is 10.4 volts). When your battery is reduced to 8.5 volts, your detector's orange fault indicator will light. If the power source (battery and/or converter) is disconnected, or if the power is otherwise interrupted, the detector will not operate. Your gas leak detector is intended for the detection of

propane gas only. It has not been tested to detect any other gas.

Your Gas Detector has a self check circuit which runs at all times while the detector is powered. In the event that the circuitry fails, a failure alarm will sound and the operating indicator will cease to light.

### MOST COMMON CAUSES OF APPARENT MALFUNCTIONS:

**1. New Coach Odor:** The glues and other materials used in manufacturing the coach produce vapors which may be detected when the coach is closed up on a warm day. Air out the coach thoroughly.

**2. Keeps Beeping:** The gas detector appears to beep about once every minute. The problem is a weak battery in the smoke detector which causes the smoke detector to produce short beeps which sound similar to the sound of the Gas Leak Detector. This is a high pitch tone and bounces off the walls, making its location very hard to pinpoint. **Replace the battery in the smoke detector.**

**3. Hair spray triggers the detector:** Most aerosol hairsprays use butane gas as the propellant. Butane and propane have similar characteristics. The detector is doing its job because butane is combustible.

**4. Other Gases:** Other gases which can cause the detector to alarm include the vapors from any fuel, liquor, alcohol, deodorants, colognes, perfumes, wine, adhesives, lacquer and most cleaning agents.

**5. Fault mode:** If the fault indicator is lit, it is the failure alarm and will occur if the battery is low or in the event that the circuitry fails.

After reviewing the above, if the problem still exists, call CCI for assistance at 800.521.5228.

### HOW TO TEST

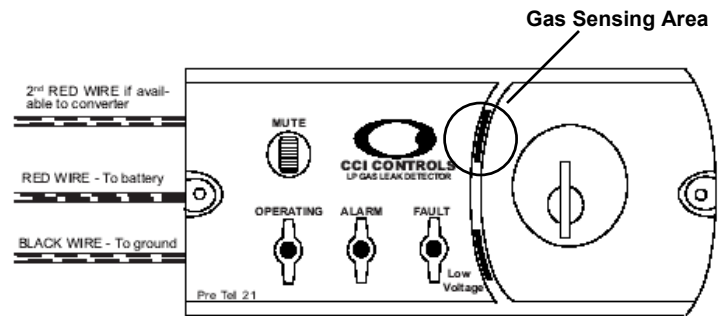
This detector must be operating for at least 60 seconds before it can be tested. Expose the detector to gas and observe that the alarm will begin to sound. (One method of simulating gas is to use a butane lighter. **DO NOT** rotate the flint wheel. Just press on the gas release button for **five seconds** while pointing the exit nozzle into the gas sensing area as indicated.) The alarm will continue to sound until:

**A.** The gas mixture at the detector returns to a safe level.

**B.** The mute button is pressed.

**This test procedure should be repeated every week; or if the power has been interrupted for more than one hour; or every time the RV is taken on a trip, whichever occurs first.**

**THIS TEST MUST BE PERFORMED BY AN ADULT**



### SERVICE

This detector contains no user serviceable parts. Contact CCI Controls if service is required. Contact your dealer for a replacement detector. See your RV Dealer or a qualified Gas Service Center should service be required. If they are not familiar with this product, have them call CCI for assistance. If service is not available in your area, call CCI.

Do not cover or allow the detector to be obstructed. It may not detect propane gas if obstructed. Exposure of this detector to an intense electromagnetic field may produce unpredictable operation. For example, a radio transmitter in close proximity to the detector may cause the detector to malfunction when the transmitter is transmitting.

*Remember that safety equipment such as an LP leak detector is installed for your protection and should not be compromised in any manner. If you suspect that any such device is not working properly, contact your authorized dealer.*

### SPECIFICATIONS

<b>Operating Voltage:</b>	Nominal: 12 Volts dc Operating Range: 9 Vdc to 16 Vdc
<b>Power Consumption:</b>	.58 watts (average)
<b>Current Draw:</b>	46 mA (0.046 A) Typical at 12.6 volts DC, 0.1 Amps maximum
<b>Dimensions:</b>	6.25" (159 mm) wide 3.875" (98 mm) tall 1.5" (38 mm) deep
<b>Storage Temperature:</b>	-40 to +37.8°C (-40 to 100 °F)
<b>Operating Temperature:</b>	4.4 to +37.8 °C (40 to 100 °F)
<b>Alarm Threshold:</b>	4000 ppm (20% of combustible level of propane)
<b>Operating:</b>	Green LED illuminated
<b>Fault:</b>	Audible-1 beep every 30 seconds Visual-Orange LED illuminated
<b>Alarm:</b>	Audible - 85 dB @ 10 feet Visual - Flashing RED Alarm LED
<b>Low Voltage:</b>	When voltage drops below 8.5 volts the Orange LED will be illuminated.
<b>Mute Feature:</b>	Silences the alarm and resets the detector for 60 seconds.