

***LPG FUEL LEVEL  
AND  
INDOOR TEMPERATURE  
MONITORING SYSTEM***

***CUSTOMER'S MANUAL  
FOR MODEL NUMBER: PRO-1***

***YOUR PROPANE SERVICE RETAILER IS:***



# ***FEATURES***

---

Congratulations. By now your new propane and temperature monitoring system has been installed by your local propane retailer or service representative. We suggest you read this manual to become familiar with the operation of this system. The system is maintenance free and will provide you many years of service and security against the damage and discomfort associated with a fuel outage or extreme temperature conditions.

**NOTE: ONLY QUALIFIED PROPANE SERVICE PERSONNEL CAN INSTALL AND SERVICE THIS PRODUCT.**

**THE HIGH TEMPERATURE ALARM FEATURE OF THIS PRODUCT IS NOT TO BE USED AS A FIRE ALARM.**

# ***FEATURES***

---

After installation of your monitoring system, the unit will not require any additional effort or maintenance from you.

## **System Operation**

The system consists of a transmitter unit located at the propane tank and a receiver unit located within the house or building. When connected to the phone line the monitoring system is complete. Each transmitter and receiver is a unique pair and, therefore, will not operate with another transmitter/receiver. This prevents interference from other neighborhood propane monitoring systems. In addition, you will enjoy the maintenance-free solar-powered features of this system.

# ***FEATURES***

---

## **Programmability**

Your propane service installer has programmed the unit to optimize system operation. These program features include:

- A variable rate at which to phone in and download fuel levels based on the amount of fuel in the tank. The minimum rate is every two weeks and the maximum is once a day.
- The time of day in which the unit calls in. Your installer will usually program this call-in for the early morning hours.
- An emergency call to the propane retailer. These immediate calls occur when the building temperature reaches either the low or high threshold settings or when the tank fuel level reaches its emergency threshold.

# ***FEATURES***

---

Your propane retailer can provide you with these emergency settings and reprogram the unit without having to make a service call to your home or facility.

## **Phone Operation**

The phone operation of your monitoring system will be indiscernible to your normal operations. Your unit does not have the electronics to receive a phone call, only to dial out.

All calls are to a toll free number, so no additional phone charges will be incurred by you.

If you are on the phone during the systems scheduled calling session, it will recognize that a dial tone is not present and immediately hang up. It will then try again up to seven additional times over the next 24 hours.

# FEATURES

---

## Display Operation upon Initial Power - Alarm Settings

Whenever the power on your monitor is cycled, it will display your three alarm settings. This display sequence will be repeated five times. If an alarm setting is not programmed the display will be "--".

Two Character LED Display	Description
7	Fuel level alarm percentage Held for 5 seconds
	Three second pause
38	Cold temperature alarm, °F Held for 2 seconds
	One second pause
--	Hot temperature not programmed Held for 2 seconds
	One second pause, cycle repeated

# ***FEATURES***

---

## **Normal Display Operation**

Your fuel level is the primary display. If you have a single tank, your fuel level will display for 30 seconds followed by a brief pause and a three second display of the indoor temperature. If you have multiple fuel tanks, the tank identifier will precede each reading. This sequence is continuously repeated.

## **Alarm Display Operation**

If your fuel level should ever reach or fall below the alarm threshold, your monitor will continuously flash during this low fuel period.

# ***DIAGNOSTICS AND SERVICING***

---

## **Diagnostics**

For your convenience and security there are two key diagnostic features built into your system to monitor that the unit is operating properly. First, the unit tracks the consistency in the number of tank transmissions each day and the moving rate of the fuel level. Secondly, your LPG retailer is notified if a unit fails to call in as scheduled, signaling that a service action is required.

In the event you experience a power outage, do not be concerned. The unit will call automatically in less than 30 minutes and the unit clock will be corrected during this call.

## **Servicing**

Contact your propane supplier listed on the front cover for any servicing required on this product.



# ***FCC REGISTRATION AND CONSUMER INFORMATION***

---

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions. (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and complies with Part 68 of the FCC rules. On the bottom of the receiver is a label that contains the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.

The REN is useful to determine the number of devices you may connect to your telephone and still have them ring when your number is called. In most, but not all areas, the sum of the REN's for all the devices should not exceed five (5). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.

# ***FCC REGISTRATION AND CONSUMER INFORMATION***

---

If your monitor causes interference to the telephone network, your telephone company may discontinue your service temporarily. If possible, they will notify you in advance. If advanced notice is not practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advanced notice in order to maintain uninterrupted service.

If you experience trouble with this propane monitor, please contact your propane retailer for repair and warranty information. The telephone company may ask you to disconnect this equipment from the network until the issue is resolved or the equipment is not malfunctioning.

No repairs can be made to the monitor by the customer.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information).

# ***FCC REGISTRATION AND CONSUMER INFORMATION***

---

Your monitor was tested and meets the standards for a Class B device, as specified in Subpart J, Part 15 of the FCC rules. These limits are designed to provide reasonable protection against interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment causes interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into a different circuit from which the receiver is connected.
4. Consult the dealer or a radio/TV technician for help.

***MANUFACTURED BY:***

***RSS***  
***REMOTE SENSING SYSTEMS***  
***COLORADO SPRINGS, CO***