

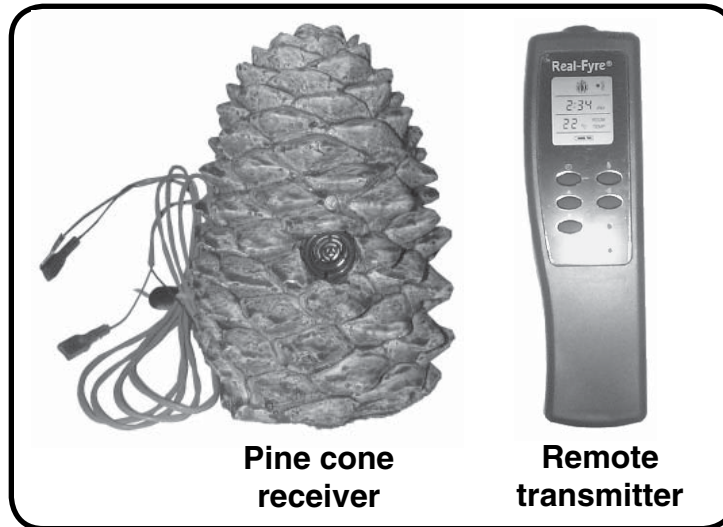


# Pine Cone Remote

(Battery Operated Remote Lighting System)

Owner's  
Manual

**COMPATIBLE WITH ALL RHP  
MILLIVOLT REMOTE READY BURNER SYSTEMS**



## Model PC-105

**INSTALLER:** Leave these instructions with consumer  
**CONSUMER:** Retain for future reference.

**Installation/service MUST be performed by an NFI Certified or other qualified, professional installer or service agency who is familiar with Important Safety Information applicable to gas log heaters, and with current provisions of ANSI 223.1/NFPA54.**

**Important:** To comply with certification, building code acceptances and insurance requirements for safe operation and proper performance, **ONLY** Peterson parts, controls, valves, remotes and accessories must be used with this gas log set. Use of any other products which are not designed, tested, and certified for use with Peterson unvented gas log sets is strictly and absolutely prohibited.

## PC-105 INSTALLATION AND OPERATING INSTRUCTIONS

### GENERAL

The PC-105 battery operated remote lighting system has been designed to operate with the Peterson products named above.

Be sure all cautions and warnings are observed in the safety valve and burner system installation and operating instructions.

The PC-105 consists of a pine cone receiver and a hand held transmitter.

### INSTALLING THE BATTERY POWERED PINE CONE RECEIVER

1. The pine cone receiver is housed inside a ceramic pine cone. This housing is not only attractive, it also

protects the electronics from heat generated by the Peterson gas log set.

2. The PC-105 requires (2) 9 volt alkaline batteries; one in the pine cone receiver (located under the pine cone) and the other in the hand-held transmitter.
3. Before installing, be sure the safety (control) valve is in the **OFF** position with log set and pilot extinguished.
4. Place the pine cone receiver outside the firebox on the hearth or, if in the firebox, place the receiver at least 8" away from the burner. Placing the pine cone receiver too close to the flames will cause overheating and damage to your receiver.

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# PC-105 INSTALLATION AND OPERATING INSTRUCTIONS (Cont.)

**Note:**

- Do not place pine cone on top of the heat shield or near the fire.
  - Do not close glass doors while the log set is burning.
  - Do not place the pine cone behind any glass panel or door.
5. Switch the receiver master switch, located on the bottom of the pine cone receiver, to the **OFF** position (see Fig. 1).
  6. Connect the wire leads (female connectors) of the pine cone receiver to the terminals of the toggle switch control, shown on page 3.
  7. Switch the toggle switch control of the APK valve to the **OFF** position. The toggle switch is in the **OFF** position when it is down (see Fig. 3, page 3).
  8. Light the pilot following the instructions contained in your safety valve installation and operating instructions.
  9. To install the optional pine cone crackling sound system (PCC-1), follow the installation and operating instructions included with your PCC-1.

## OPERATING YOUR PINE CONE OPERATOR

**Note:** Refer to Fig. 2 for position of buttons and indicators.

### 1. Changing the clock time.

- a. To enter time change mode press top left (**CLOCK MODE**) button (labelled in Fig. 2) until the AM/PM indicators start to blink and the time colon remains steady.
- b. To advance or retard the time by 1 minute intervals, press the left center (**TIME ADVANCE**) or left bottom (**TIME RETARD**) button (see Fig. 2). Holding the button down speeds up the time change.
- c. Press **CLOCK MODE** button to exit time change mode.

### 2. Controlling your gas log set and pine cone receiver.

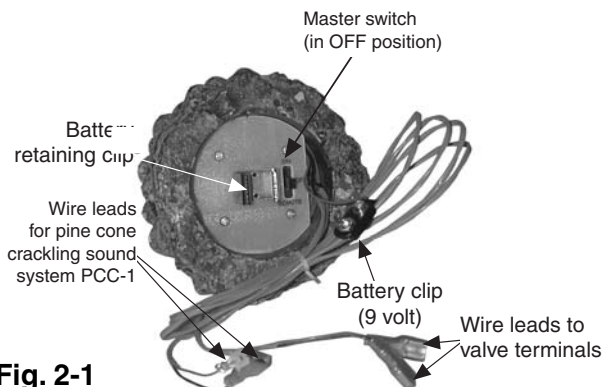
- a. To use your remote with the pine cone receiver, ensure that the receiver master switch under the pine cone is set to **REMOTE**.

**CAUTION:** Your log set may ignite when the pine cone receiver switch is placed in the **REMOTE** position. If this occurs, depress and hold the **FLAME ON/OFF** button on the remote transmitter until the log set is extinguished.

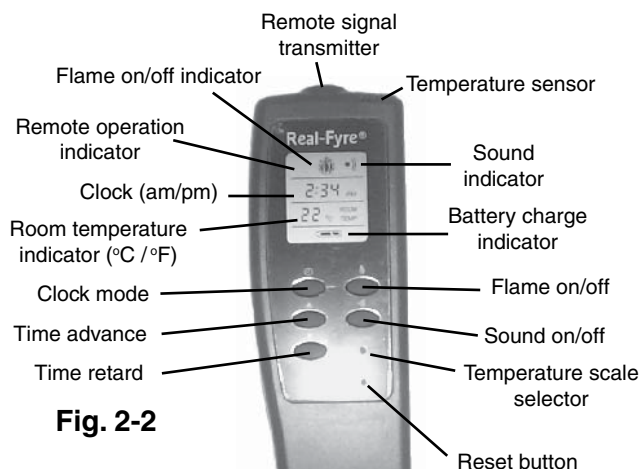
**Note:** When following steps B-D below, carefully aim your remote transmitter at the pine cone receiver. A signal symbol will appear briefly at the upper right corner of your remote LCD screen during each remote operation. The red light on the cone will illuminate and remain on for a period of 5-10 seconds to indicate the remote operational signal was received. The indicator light will then turn off.

- b. To switch on your gas log fire, press the top right (**FLAME ON/OFF**) button. Your log set will ignite. On your remote screen the LCD flame symbol in the upper center will change from an empty dotted outlined flame to a solid flame, indicating a **FLAMES ON** condition.
- c. When the **FLAMES ON** indicator is present you can turn your pine cone crackler on or off by pressing the bottom right (**SOUND ON/OFF**) button. An LCD sound symbol will appear at upper right of the screen when the sound is on and disappear when the sound is off.
- d. To turn the gas log set off, simply press the top right button (as in 2B above) while the fire is lit. The flame symbol will revert to empty dotted outline as before, indicating a **FLAMES OFF** condition. The sound symbol will also disappear.

**Note:** If the sound symbol is on when you turn off the fire, the sound will automatically be on the next time you light your gas log set. To turn the sound off, follow step 2C above.



**Fig. 2-1**



**Fig. 2-2**

### Showing Screen Indicators and Control Buttons

(Showing: Fire on; Sound On; Time 2:34 pm; Room temp. 22°C; Battery fully charged)

# PC-105 INSTALLATION AND OPERATING INSTRUCTIONS (Cont.)

## Changing Temperature Scale

To change the temperature scale from Centigrade to Fahrenheit or reverse, simply insert a thin metal object (e.g. an unbent paper clip) into the temperature scale reset point (Fig. 2) and press.

## Resetting the Remote to Default Settings

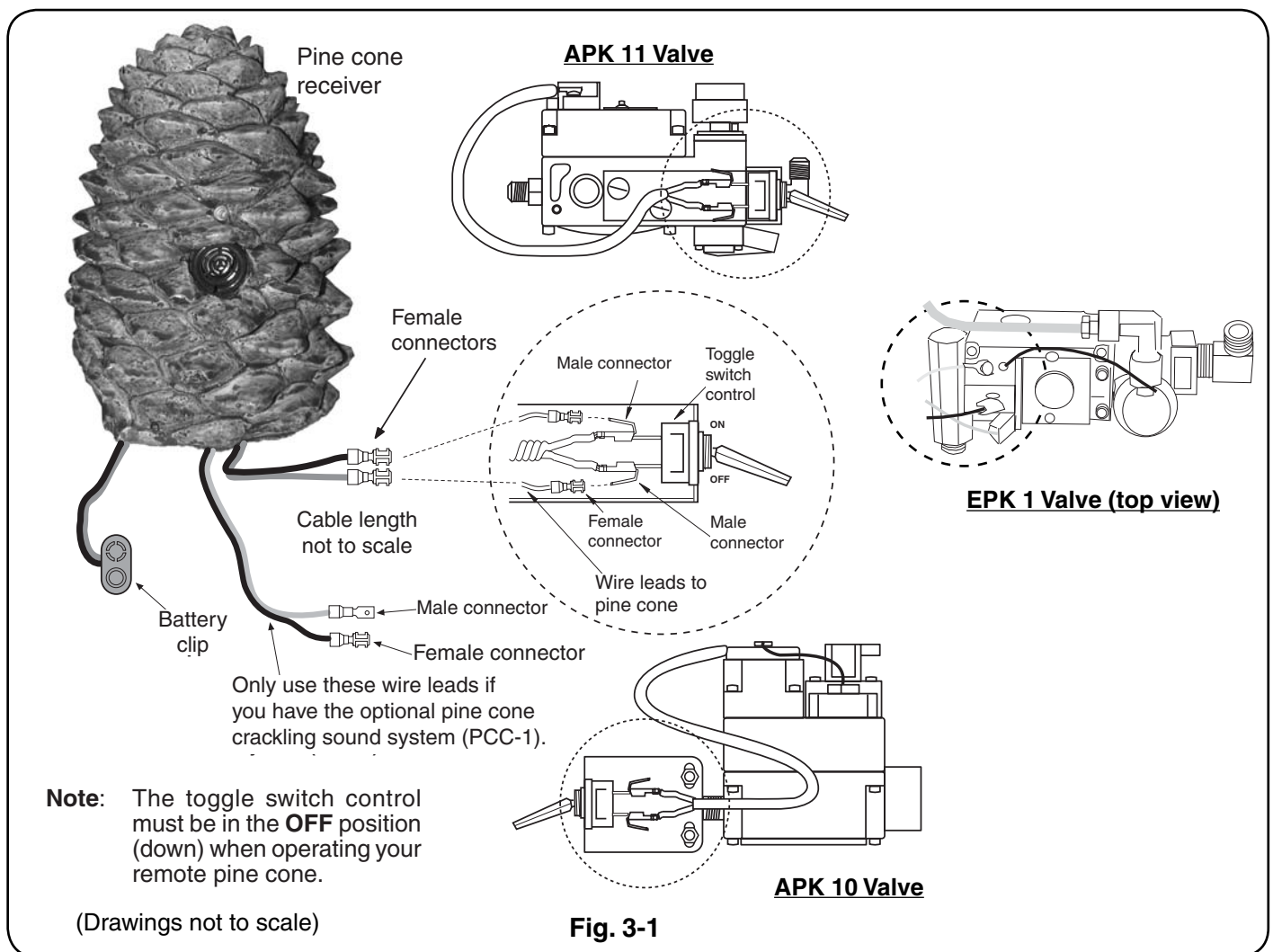
To reset the handset to factory default settings, simply insert a thin metal object (e.g. an unbent paper clip) into the reset point (Fig. 2) and press. The clock will show 12:00pm.

You can manually operate your pine cone receiver without the aid of the hand-held transmitter. Simply place the receiver master switch in the **ON** position to light your log set, and place the receiver master switch in the **OFF** position to extinguish your log set. It is recommended that the batteries in your pine cone receiver and hand-held transmitter be replaced annually. A dim indicator light on the hand-held transmitter indicates a weak battery. Batteries in both the transmitter and receiver should be replaced if this occurs.

**Note:** Use heavy-duty alkaline batteries only.

**Note:** Your PC-105 has been designed to only respond to the transmitter furnished with the system. However, due to conditions beyond our control other manufacturers of remote activated devices, using the same technology, could possibly produce a transmitter that would activate your PC105 system, if the master switch is in the remote position. Although this is highly unlikely, if it should occur, return your unit to your place of purchase and it will be replaced. Thunder storms producing high amounts of electrical activity could possibly activate your remote (turn the pine cone master switch off during electrical storms). If you are not going to be using your remote system for an extended period of time, switch your pine cone receiver to the **OFF** position.

## CONNECTING PINE CONE RECEIVER WIRE LEADS TO TOGGLE SWITCH CONTROL



**Note:** The toggle switch control must be in the **OFF** position (down) when operating your remote pine cone.

(Drawings not to scale)

Fig. 3-1

1. Connect the two female connectors from the pine cone receiver to the back two spare male connectors on the toggle switch control (see Fig. 3).
2. If using a remote compatible burner system, connect the wire leads from the pine cone to the switch (shown in Fig. 3). See switch location in your remote compatible burner system installation and operating instructions.

## TROUBLE SHOOTING YOUR PC-105

Problem	Cause	Solution
1. Burner does not light.	<ul style="list-style-type: none"> <li>a. Pine cone receiver switch may not be in remote position.</li> <li>b. Batteries are weak.</li> <li>c. Receiver is too close to the fire.</li> <li>d. Pressing and releasing the FLAME ON/OFF button too quickly.</li> </ul>	<ul style="list-style-type: none"> <li>a. Move switch to the REMOTE position.</li> <li>b. Replace batteries, using new, heavy duty alkaline batteries.</li> <li>c. Move the pine cone receiver to the front corner of the firebox or outside the hearth.</li> <li>d. Hold the FLAME ON/OFF button down for 2-3 seconds.</li> </ul>
2. Burner does not shut off.	<ul style="list-style-type: none"> <li>a. Toggle switch on the burner or under the pine cone is in the ON position.</li> </ul>	<ul style="list-style-type: none"> <li>a. Toggle switch control must be in the OFF position when using the remote control.</li> </ul>
3. Light on the pine cone receiver comes on, but the burner does not light.	<ul style="list-style-type: none"> <li>a. Pine cone receiver switch may not be in the remote position.</li> <li>b. Wires from the pine cone receiver to the toggle switch not attached properly.</li> </ul>	<ul style="list-style-type: none"> <li>a. Move the switch to the REMOTE position.</li> <li>b. Check wires to the toggle switch control.</li> </ul>
4. Burner turned on by itself.	<ul style="list-style-type: none"> <li>a. Thunder storms or using other manufacturers remotes may activate the remote (see page 3).</li> </ul>	<ul style="list-style-type: none"> <li>a. Turn the pine cone master switch (Fig. 1, page 2) off during electrical storms.</li> </ul>

### PETERSON VENTED GAS LOG SETS LIMITED WARRANTY

All Peterson gas logs are **WARRANTED for as long as you own them (Lifetime)**.

All Peterson burner assemblies are **WARRANTED for TEN (10) YEARS**.

SPK-26 controls are covered by a **THREE (3) YEAR "All Parts" Warranty**.

All other Peterson valves, pilots, and controls are covered by a **ONE (1) YEAR Limited Warranty (excluding batteries)**.

This warranty applies only to the original purchaser, from the date of purchase, and to Peterson products purchased for residential purposes.

This warranty does not cover parts becoming defective by misuse, accidental damage, electrical damage, improper handling, and/or installation or service (log sets must be installed as outlined in the enclosed instructions by a qualified, professional installer and with only Peterson parts, control valves, remotes and accessories). It does not cover labor or labor-related charges. It specifically excludes liability for indirect, incidental, or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specified legal rights and you may have other rights which may vary from state to state.

For additional information regarding this warranty, or information on how to place a warranty claim, contact your Peterson dealer or the Robert H. Peterson Company.