CAT# H8974 Model: RC-S-STAT-AC

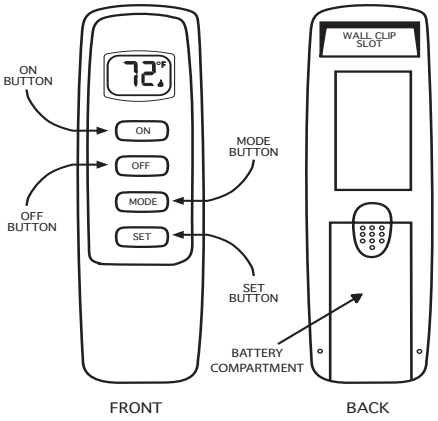
INSTALLATION AND OPERATING INSTRUCTIONS

IF YOU CANNOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS DO NOT ATTEMPT TO INSTALL OR OPERATE

INTRODUCTION

This remote control system was developed to provide a safe, reliable and user-friendly thermostatic remote control system for gas heating appliances.

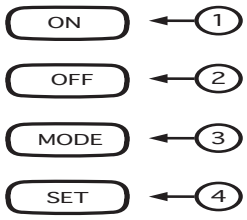
TRANSMITTER



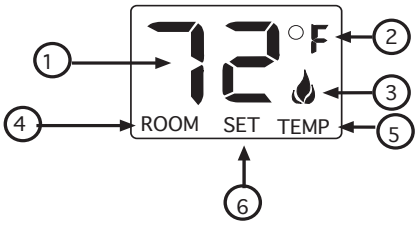
The transmitter operates on (2) 1.5-volt AAA batteries. It is recommended that ALKALINE batteries always be used for this product. **Be sure the batteries are installed with the (+) and (-) ends facing the correct direction, and are fully charged.**

KEY SETTINGS

1. **ON** - - - Turns appliance **ON**
2. **OFF** - - Turns appliance **OFF**
3. **MODE** Cycles control between manual and thermo mode.
4. **SET** - - Sets temperature in thermo mode.



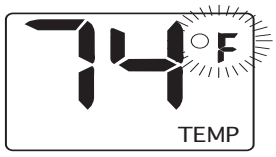
LCD - LIQUID CRYSTAL DISPLAY



1. Display - - - - - - - - - - Indicates current room temperature.
2. Fahrenheit or Celsius Indicates degrees Fahrenheit or Celsius.
3. Flame - - - - - - - - - - - Indicates appliance is **ON**.
4. Room - - - - - - - - - - - Indicates remote is in thermo mode.
5. Temperature - - - - - - Appears during manual operation.
6. Set - - - - - - - - - - - - - Appears when setting the desired temperature in thermo mode.

SETTING ºF / ºC SCALE

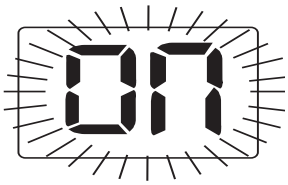
The factory setting for temperature is ºF. To change the displayed temperature, press the **ON** and **OFF** keys at the same time. Follow this same procedure to return to ºF.



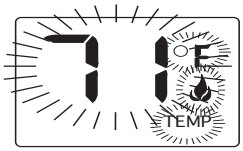
MANUAL FUNCTION

ON OPERATION

Press the **ON** key to turn the appliance ON. (The flame icon will appear on the LCD screen).



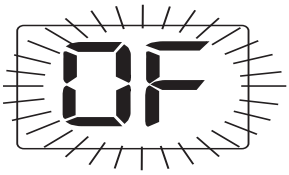
SCREEN WHILE DEPRESSING ON KEY



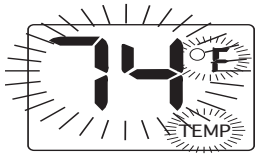
SCREEN AFTER 3 SECOND DEFAULT

OFF OPERATION

Press the **OFF** key to turn the appliance OFF. (The flame icon will disappear from the LCD screen.)



SCREEN WHILE DEPRESSING OFF KEY



SCREEN AFTER 3 SECOND DEFAULT

THERMOSTAT FUNCTION

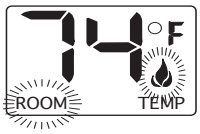
- Press the **MODE** key until the LCD screen shows the word “ROOM.” (See Thermo Mode graphic)
- To adjust set temperature, press and hold the **SET** key until the
- desired temperature is reached. The temperature range is 99ºF (32ºC) to 45ºF (6ºC). (See Thermo Set graphic)
- The LCD screen will display the set temperature for 3 seconds, then it will flash the set temperature for 3 seconds. It will default to show the room temperature.
- The flame icon will appear when the control calls for heat. (See Thermo On graphic). The flame icon will disappear when the
- appliance reaches its set temperature. (See Thermo Off graphic).
- Press the **MODE** key to disengage the Thermo Mode. “ROOM” will disappear from the LCD screen.



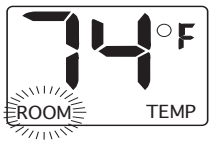
THERMO SET



THERMO MODE



THERMO ON



THERMO OFF

NOTE: The thermo feature operates the appliance whenever the room temperature varies a certain number of degrees from the set temperature. This variation is called the “swing” or temperature differential. This feature lets the appliance turn OFF and ON 2 ºF (1 ºC) above or below the set temperature of the room. This is to cushion the number of times the appliance is turned ON and OFF.

THERMO UPDATING FEATURE - TRANSMITTER

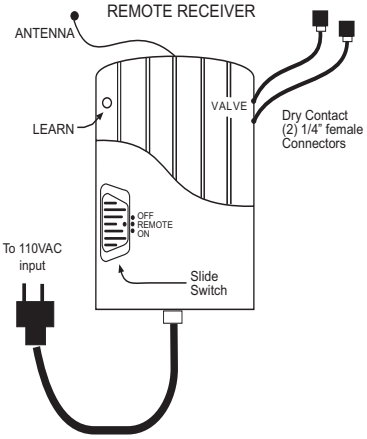
When in thermo mode, the transmitter reads the ROOM temperature every 2 minutes, checks the room temperature against the SET temperature then sends a signal to the receiver.

RECEIVER

When plugged into a standard 110-120 VAC receptacle, the remote receiver operates on commands from the transmitter or from the slide switch on the face of the receiver (This switch is to be used during a power outage to operate the appliance manually).

- **ON**: will manually turn ON the appliance.
- **REMOTE**: will allow use of handheld transmitter. If the system does not respond to the transmitter on initial use, check the battery positions in the remote. If that does not work, see the LEARNING TRANSMITTER TO RECEIVER section.
- **OFF**: will disable the remote receiver.
- **It is suggested that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time.**

The remote receiver is manufactured with a “dry contact” relay in its circuitry that operates like an ON/OFF switch. However, no power or current passes from the 110-120 VAC input side to the wires leading from the output side of the remote receiver.



INSTALLATION

Protection from extreme heat is very important. The remote receiver should be kept away from temperatures exceeding 130ºF. Extreme heat can cause damage, which is not covered under warranty.

- Before installation, make sure you turn the slide switch to **OFF**. After installation, make sure you turn the slide switch to **REMOTE**.
- The remote receiver can be placed on the fireplace hearth or under the fireplace behind the control access panel.
- Use the wires attached to the remote receiver to connect to the gas valve or the electric module (piggyback connectors have both male & female terminals for flexibility).
- Be sure that the connectors do not touch each other or other bare metal surfaces; this will cause the appliance to turn **ON**. The connectors may be wrapped with electrical tape to prevent this.

WARNING

This remote control system must be installed exactly as outlined in these instructions. Read all instructions completely before attempting installation. Follow instructions carefully during installation. Any modifications of this remote control or any of its components will void the warranty and may pose a fire hazard.

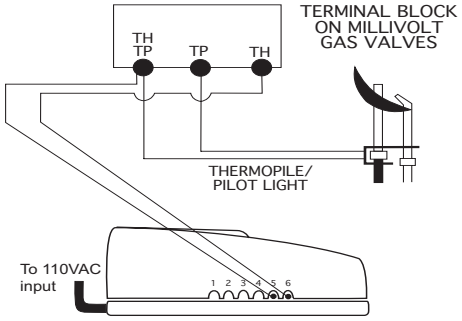
Consult gas appliance manufacturer’s instructions and wiring schematics for proper placement of all wires. All electronic modules are to be wired to manufacturer’s specifications.

The following wiring diagrams are for illustration purpose only. Follow instructions from manufacturer of gas valve and/or electronic module for correct wiring procedures. Improper installation of electric components can cause damage to electronic module, gas valve and remote receiver.

WIRING INSTRUCTIONS

A qualified electrician should install the remote control system.

MILLIVOLT VALVES



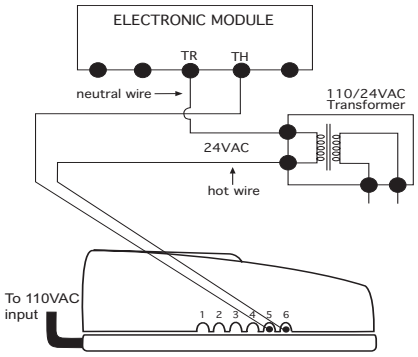
REMOTE RECEIVER

- Connect one wire from the remote receiver to the TH terminal on the gas valve.
- Connect the other wire from the remote receiver to the TH/TP terminal on the gas valve.

MILLIVOLT SYSTEM CHECK

- Ensure that the pilot flame is lit.
- Slide the 3-position button on the remote receiver to the **ON** position. The main gas flame (i.e., the fire) should ignite.
- Slide the button to **OFF**. The main flame should extinguish (the pilot flame will remain on).
- Slide the button to **REMOTE**, then press the **ON** button on the transmitter to change the system to **ON**. The main gas flame should ignite.

ELECTRONIC SPARK IGNITIONS



REMOTE RECEIVER

The remote control receiver can be connected, in series, to a 24VAC transformer to the TR (transformer) terminal on the ELECTRONIC MODULE. Connect the hot wire from the 24VAC transformer to either of the wires on the remote receiver. Connect the other wire from the receiver to the TH (thermostat) terminal on the ELECTRONIC MODULE.

ELECTRONIC SPARK SYSTEM CHECK

- Slide the 3-position button on the remote receiver to the **ON** position. The spark electrode should begin sparking to ignite the pilot. After the pilot flame is lit, the main gas valve should open and the main gas flame should ignite.
- Slide the button to **OFF**. The main gas flame and pilot flame should both extinguish.
- Slide the button to **REMOTE**, then press the ON button on the transmitter to change the system to ON. The spark electrode should begin sparking to ignite the pilot. After the pilot is lit, the main gas valve should open and the main gas flame should ignite.

CP (CHILDPROOF) FEATURE

This remote control includes a childproof feature that allows the user to “lock-out” operations from the Transmitter.

- To activate and de-activate the childproof feature, press and hold the **ON** button and the **MODE** button at the same time for 5-seconds. The letters “**CP**” will appear in the TEMP frame on the LCD screen.
- “**CP**” will appear on the LCD screen if any button is pressed while childproof mode is engaged.
- When this mode is engaged, all auto settings go on without interruption (like thermostat). Only manual functions are prevented.

COMMUNICATION - SAFETY - TRANSMITTER - (C/S - T/X)

This remote control has a COMMUNICATION –SAFETY function built into its software to ensure the transmitter and receiver are communicating normally.

In all operating modes, the transmitter sends an RF signal every fifteen minutes to the receiver indicating that the transmitter is within the normal operating range of 20-feet. Should the receiver NOT receive this signal, the RECEIVER will begin a 2 hour countdown. If the RECEIVER does not receive a signal from the transmitter in 2 hours, the RECEIVER will shut off the appliance. The RECEIVER will then emit a series of rapid “beeps” for a period of 10 seconds. Then after 10 seconds of rapid beeping, the RECEIVER will continue to emit a single “beep” every 4 seconds until a transmitter **ON**, **OFF** or **MODE** Button is pressed to reset the receiver.

LEARNING TRANSMITTER TO RECEIVER

This transmitter has one of 1,048,576 unique security codes. It may be necessary to program the remote receiver to “LEARN” the security code of the transmitter upon initial use, if batteries are replaced, or if using a replacement transmitter.
NOTE: This receiver can hold up to 3 transmitter codes. This is for the times when a second hand held transmitter or a wall transmitter is required.

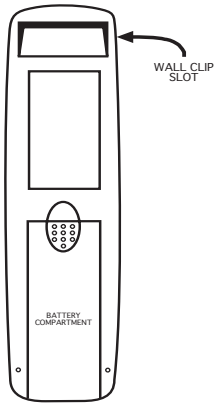
- Make sure the receiver’s slide switch is in the **REMOTE** position.
- Press and release the **LEARN** button on the receiver.
- When you hear the “Beep”, press and hold the **ON** or **OFF** button for about 2 seconds on the transmitter.
- You will then hear a series of rapid beeps that indicate that your new transmitter has been accepted by the receiver.
- If you press the **LEARN** button on the receiver and you hear no beeps, the receiver is unable to retain any more transmitter codes (make sure that the transmitter and the receiver batteries are properly installed and fully charged).
- To delete all of the transmitter codes on your receiver, press and hold the **LEARN** button for 10-seconds. Then you will hear a series of 3 long beeps, indicating that the receiver’s memory has been cleared.

TRANSMITTER WALL CLIP

The transmitter can be hung on a wall using the clip provided.

- Wood - Drill 1/8’’ pilot holes and install with screws provided.
- Plaster/Wallboard - Drill 1/4’’ holes, then install with the screws provided.





BATTERY LIFE

Life expectancy of the alkaline batteries in the transmitter and receiver should be at least 12 months. Check and replace all batteries:

- Annually.
- When operating range becomes reduced.
- When transmissions are not received by the remote receiver.
- If the hand held transmitter batteries measure less than 2.5-volts (Both batteries in combination).

TROUBLE SHOOTING

If you encounter problems with your fireplace system, the problem may be with either the fireplace itself or with the remote. Review the fireplace manufacturer’s operation manual to make sure all connections are properly made. Then check the operation of the remote in the following manner:

- Make sure there is a 110/120 - volt power source to the transmitter.
- Check batteries in transmitter to make sure contacts are touching (+) and (-) ends of battery. Bend metal contacts in for tighter fit.
- Check if the transmitter batteries are fully charged.
- Be sure receiver and transmitter are within 20 to 25-foot operating range.
- Keep receiver from temperatures exceeding 130º F. Battery life will be shortened if exposed to those temperatures.
- If receiver is installed in a tightly enclosed metal surrounding, the operating distance will be shortened.
- Make sure the hand-held transmitter and remote receiver are communicating properly (see LEARNING TRANSMITTER TO RECEIVER section).

FCC REQUIREMENTS

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER’S AUTHORITY TO OPERATE THE EQUIPMENT.

HOW TO REGISTER A CLAIM AGAINST WARRANTY

In order for any claim under this warranty to be valid, you must contact the LHP dealer/distributor from which you purchased the product. If you cannot locate the dealer/distributor, then you must notify LHP in writing. LHP must be notified of the claimed defect in writing within 90 days of the date of failure. Notices should be directed to the LHP Warranty Department at 1508 Elm Hill Pike, Suite 108; Nashville, TN 37210 or visit our website at www.IHP.us.com