

RCK-E Acumen Model E Fireplace Remote Control

The Acumen Model E remote control is designed for use with decorative gas logs, gas fireplaces, wall heaters and gas stoves.

The Model E Transmitter is an 8-button hand held transmitter, which turns the gas on/off or as a thermostat, adjusts the flame height high and low and turns the blower on/off and adjusts its speed to Hi-Medium-Low. The display of the transmitter shows the clock, current room temperature, target temperature, timer setting, on/off status and low battery indicator.

Installation Precautions:

The Model E Remote Control is tested safe when installed in accordance with this installation manual. It is your responsibility to read all instructions before starting installations and to follow these instructions carefully during installation.

The Model E Remote Control **MUST** be installed by a qualified service technician.

The Model E Remote Control is carefully engineered and **MUST** be installed only as specified. If you modify it or any of its components, you may possibly cause a fire hazard.

FCC Requirements

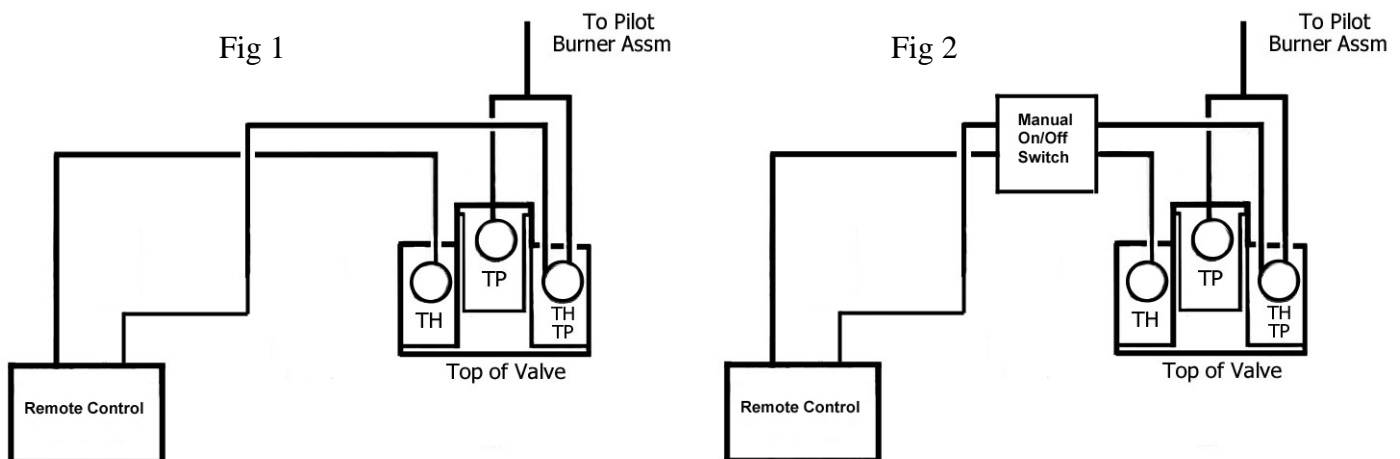
WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful 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 harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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:

- Reorient or relocate the receiver,
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

INSTALLATION INSTRUCTIONS – INSTALLING THE RECEIVER

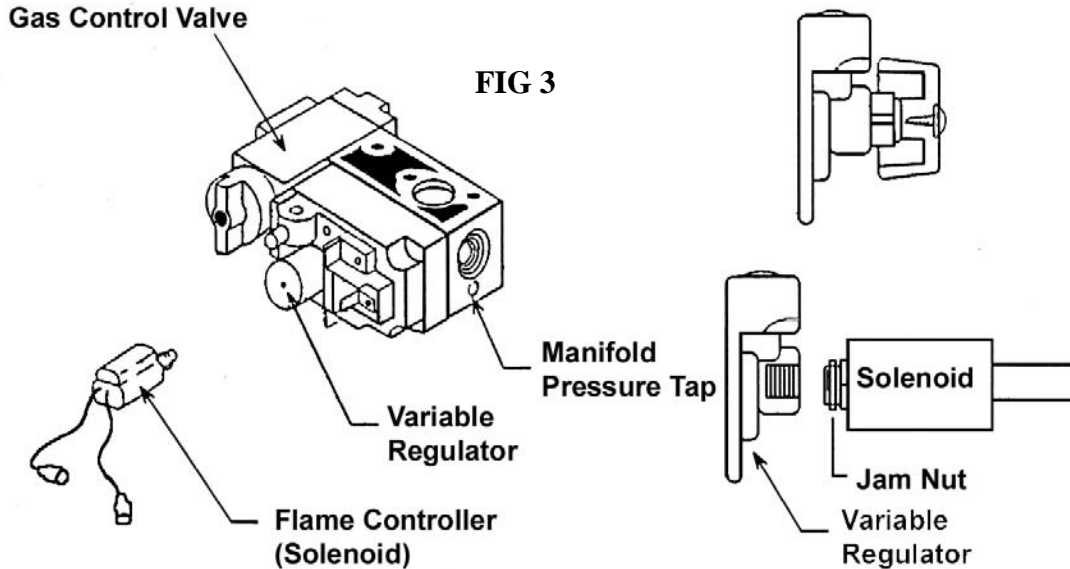
WARNING: TURN ELECTRICAL POWER OFF AT THE CIRCUIT BREAKER BEFORE BEGINNING THIS INSTALLATION.

1. Connect the electrical service wires to the junction box of the fireplace.
2. Place the receiver onto the base pan of the fireplace.
3. Connect the wires labeled "Main Valve" to the millivolt generator and millivolt valve (see Fig. 1) or the Manual On/Off Switch (Fig. 2). Use the Manual On/Off Switch only in case of power failure.



NOTE: THE REMOTE CONTROL CAN NOT TURN OFF THE FIREPLACE IF THE EMERGENCY SWITCH IN THE “ON” POSITION.

4. Installation of Flame Height Controller:
 - A. Only for Robertshaw 7000 series valve with Manual Hi/Low Control. Carefully remove flame adjustment control and discard the screw, manual variable regulator knob, spring and washer from the gas valve regulator. Unscrew and discard the nut from the regulator. See Fig 3



4. B. Thread the flame adjustment solenoid into the gas valve regulator. (1 or 2 turns ONLY)

DO NOT OVER TIGHTEN OR DAMAGE MAY OCCUR. WHEN REMOVING THE TAPE FROM THE END OF THE SOLENOID BE CAREFUL THAT THE METAL ROD REMAINS INSIDE THE SOLENOID.

4. C. Connect the leads from the solenoid to the leads labeled. “To Solenoid” from the receiver by plugging the male to female connectors.
4. D. Remove the manifold pressure tap plug at the lower right side of the gas valve. Install a manometer into the pressure tap
4. E. The manifold pressure is adjusted by rotating the solenoid. Set the manifold pressure at 3.5 inches W.C. for natural gas or 10.0 inches W.C. for Propane systems. Tighten the jam nut of the solenoid to the face of the gas valve regulator when the proper manifold pressure has been set.
4. F. Turn the gas valve knob to the “OFF” position. Remove the manometer from the pressure tap and re-install the pressure tap plug into the valve.
5. Plug the cord from the blower (2-prong male plug) into the black cord (2-hole female end) of the remote receiver
6. Plug the black cord (2-prong male plug) from the receiver into the junction box.
7. To prevent the receiver from overheating, place the insulated heat shield over the receiver.
8. Turn the electrical power “ON” at the circuit breaker.

For initial Start up

Put the 3 AAA size batteries into the remote TRANSMITTER after this you will notice the room temperature flashing on the Transmitter, push the “ON” button and you will hear an audible beep from the receiver. If you don’t hear the beep, repeat this process.

9. Follow the Lighting Instruction section in the appliance instruction Manual. Be certain that the pilot light is on and the gas control valve is in the “ON” position.

OPERATION INSTRUCTIONS

Model E Remote Control has 5 operating modes. They are: Manual, Auto, Timer, Flame Adjustment and Fan Adjustment. You can adjust the flame height and fan speed in Manual or Auto Modes.

Use the Up and Down buttons to set the target temperature between 45. and 90. F.

OPERATING MODES

Manual Mode

1. Press the Manual On/Off Button once to light the fireplace. Push the button again to turn it off.
2. In Manual mode the remote Transmitter will not turn the fireplace off even if the room temperature is above the target temperature.

Auto Mode

1. Set the desired target temperature. Use Up and Down Buttons to set between 45° and 90.
2. Press the On/Off or Auto/Off button once to activate the Auto Mode - "Auto" will appear on the LCD. In Auto Mode the Remote Transmitter will automatically turn on the fireplace when the room temperature is below the target temperature and turn off the fireplace when the room temperature is above the target temperature.
3. Press Auto/Off or On/Off button to turn off the fireplace (if it is already on) and exit Auto Mode.

WARNING:

IT TAKES SOME TIME FOR THE RECEIVER TO RESPOND TO THE TRANSMITTER. DO NOT PRESS THE AUTO ON/OFF BUTTONS MORE THAN ONCE WITHIN 2 SECONDS FOR CORRECT OPERATION.

Timer Mode

1. You can set the timer to the length of time you want the fireplace to operate (1 to 120 minutes).
2. Press the "Set" button once. The Timer display " " will blink.
3. Press the Up and Down buttons to set the timer. The LCD will display the amount of time chosen.
4. The timer setting can be canceled at any time by pressing the "Time Cancel" button or Manual On/Off buttons.
5. Press Auto/Off button to turn on the fireplace.
6. The fireplace will turn off at the end of the timer setting.

Flame and Fan Adjustment

1. In Manual and Auto modes you can adjust the flame height and fan speed of the fireplace.
2. Press the Flame button to adjust the flame height to High/Low.
3. Press the Fan button to adjust the fan
4. The Fan will turn on and off automatically with the fireplace.

Child Proof Function

1. Remove the cover on the back of the Remote Transmitter to Expose the CHILD-PROOF switch.
2. Slide the CHILD-PROOF switch to position marked C/P (down) to activate the CHILD-PROOF function. "CHILD-PROOF" will appear on the LCD
3. In CHILD-PROOF the Remote Transmitter will work normally except the buttons will be inoperative
4. Press the Up and Down buttons in the following sequence, Up-Down-Down-Up-Down, within 2 seconds between pushes, the button function will be temporarily restored "Child-Proof" will reappear on the LCD until the Child-Proof switch is slid back to the off position.

Time Setting

1. Press and hold the Set Button for about 2 seconds.
2. The hour display will flash. Use the UP and DOWN buttons to set the hour.
3. Press the Set Button again and the minute display will flash. Use the Up and Down buttons to set the minutes
4. Press the set button again and the F° or C° display will flash. Use the Up and Down buttons to select the Remote Transmitter to display the temperature in F° or C°

Batteries

1. The Remote Transmitter uses 3 AAA-size batteries. Replace these batteries at least every 6 months or when the low battery indicator on the LCD is on. **Use only fresh alkaline batteries.**
2. After you take out the batteries, wait for at least 1 minute before putting in fresh batteries to the Remote Transmitter

IMPORTANT SAFETY FEATURE:

You can set a private code into your system to prevent accidental operation by any other transmitter nearby. See Figure 3

Coding Instructions

Remove the cover on the back of the Remote Transmitter and expose the code switches. Slide the code switches to your choice of ON or OFF position. FACTORY SETTING IS ALL "OFF".

There are no code switches on the Remote Receiver. These units are self matching and no code changes are needed for the receiver.

OPERATING CAUTIONS

- 1) If on initial start-up your fireplace doesn't turn on take out all batteries and install the Receiver batteries first and then the Transmitter batteries second. When the Transmitter display is flashing push the "on" button and the receiver should beep telling you that they are matched up.
- 2) Allow at least 2 seconds between each push on the ON/OFF button to allow receiver to respond to signal.
- 3) Do not lay transmitter on metal surface.
- 4) For best performance try to have a separation of 3' between transmitter and receiver.
- 5) Do not place thermostat type transmitter where it will be unusually hot (in the sun) or cool (by an AC outlet).
- 6) With thermostat type transmitter allow for a +/- range of 3° from set temperature for system to start or stop burner pan flame.
- 7) If Receiver is placed inside the firebox position receiver as far forward and away from flame as possible. In some high heat cases the Receiver may have to be positioned outside of the firebox.
- 8) The Receiver is equipped with an overheat protection. If the receiver gets too hot it will shut off the fireplace to prevent accidental overheating. If this should happen relocate the receiver to a position farther from the flame.

