

RCK-D
Fireplace Remote Control-AC
Installation and Operation Instructions

The Acumen Model D Remote control is designed for use with decorative gas logs, gas fireplaces and wall heaters. The Model D transmitter is a five-button hand held transmitter, which turns the gas on or off or acts as a thermostat. The display of the transmitter shows the current room temperature, clock, target temperature, timer setting, on/off status and low battery indicator.

Installation Instructions Installer, Please follow these instructions
Installation Precautions and leave them with the appliance user.

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

The Model D Remote Control **MUST** be installed by a qualified service technician 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 antenna. Increase the separation between equipment and receiver.
- Consult the dealer or an experienced radio TV technician for help.

INSTALLATION CAUTIONS

1) BE SURE INSTALLATION INSTRUCTIONS ARE FOLLOWED CAREFULLY AND OPERATION INSTRUCTIONS ARE UNDERSTOOD. INSTALL SYSTEM AS IT IS DESIGNED. DO NOT MODIFY OR ALTER.

- 2) Be sure batteries are fresh and installed correctly.
- 3) Be sure all wires are connected firmly and in the right places.
- 4) To light flames with remote: a) Be sure pilot is lit. b) Be sure control knob on valve is turned ON.
- 5) If you are using a transmitter with a "Child Proof" switch, be sure it is turned OFF. (See Child Proof Function Section).
- 6) If your system includes a manual ON/OFF switch, be sure it is set at OFF.
- 7) If "Timer" appears on LCD when it shouldn't, change battery locations in transmitter.

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

1. The Remote Transmitter uses 3 AAA-size batteries. Replace these batteries at least once a year.
2. After you take out the batteries, wait for at least 1 minute before putting fresh batteries into the Remote Transmitter.
3. Use only fresh alkaline batteries.

IMPORTANT SAFETY FEATURE

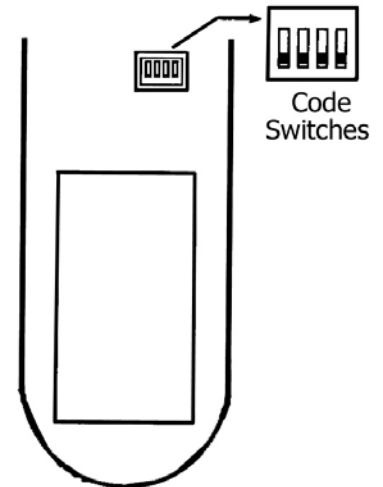
You can set a private code into your system to prevent accidental operation by any other transmitter nearby.

Coding Instructions

ENSURE THE REMOTE RECEIVER IS PLUGGED INTO AN APPROVED JUNCTION BOX BEFORE PUTTING BATTERIES INTO THE HAND HELD REMOTE CONTROL.

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"**.

The receiver and the transmitter are self-matching units. If you experience any interference you should change the coding on the transmitter (inside the battery compartment). There are four Dip Switches that can be set anyway you choose. After resetting the switches simply point it at the receiver and press the ON button, you should hear an audible beep from the receiver telling you they are set properly.



Installing the Remote Receiver in a Fireplace or Gas Insert:

1. Connect the 110AC electrical service wires to the junction box of the fireplace or approved junction box.
2. Place the receiver onto the base pan of the fireplace or other suitable location as far from the high heat of the gas appliance as possible.
3. Be sure the leads from thermopile on pilot burner assembly are connected to TH/TP and TP terminals of valve. Then connect leads from receiver to TH/TP and TH terminals on valve, or in line of the millivolt wiring system.
4. In order to prevent Remote Receiver (Fireplace Installation only) from overheating, put the Heat Shield (provided) over the Remote Receiver
5. **Plug the black cord (2-prong male plug end) of the receiver into the junction box FIRST.**
6. Turn the electrical power "ON" at the circuit breaker.
7. Insert batteries into transmitter, when the display of the transmitter flashes push the "on" button and this will send a signal to the Receiver that will match them up. You will hear a "beep" from the receiver when they are matched. The receiver will accept a "matching" signal only within the first 5 minutes of being plugged into the outlet. If you don't hear the beep and the remote will not work repeat these steps.
8. Follow the lighting instruction section in the fireplace/appliance instruction Manual. Be certain that the pilot light is on and the gas control valve is in the "ON" position.

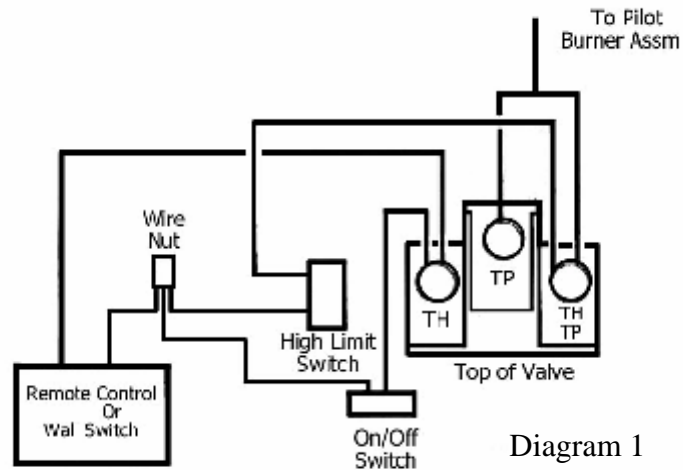
WIRING INSTRUCTIONS

A) IF YOU ARE USING A REMOTE CONTROL OR WALL SWITCH AND HAVE A HI-LIMIT AND ON/OFF SWITCH, WIRE AS SHOWN IN DIAGRAM 1.

B) IF YOU ARE USING A REMOTE CONTROL OR WALL SWITCH AND HAVE EITHER A HI-LIMIT OR ON/OFF SWITCH, WIRE AS SHOWN IN DIAGRAM 2.

C) IF YOU ARE USING A REMOTE CONTROL OR WALL SWITCH AND HAVE NEITHER A HI-LIMIT OR ON/OFF SWITCH, SIMPLY RUN THE LEAD SHOWN COMING FROM THE RIGHT OF THE REMOTE CONTROL OR WALL SWITCH IN DIAGRAM 2 DIRECTLY TO TERMINAL TH/TP.

TRANSMITTER SETTINGS

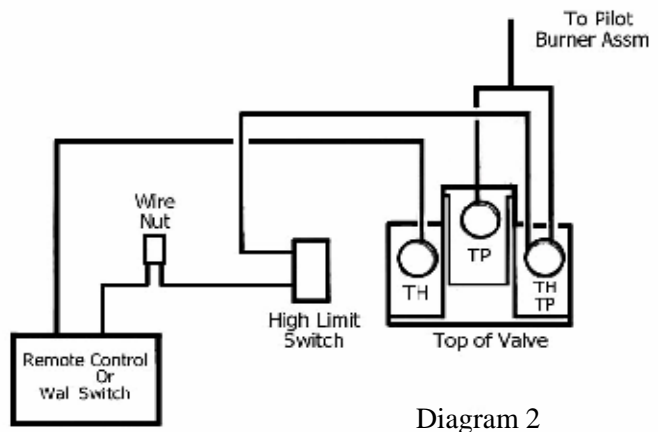


1. Press and hold "Clock" button for as much as 5 seconds.
2. The hour display will flash. Use the Up and Down buttons to set the hour.
3. Press the "Clock" button again and the minute display will flash. Use the Up and Down buttons to set minutes.
4. Press the "Clock" button again and the F° or C° display will flash. Use the Up and Down buttons to select for the Remote Transmitter to display temperature in F° or C°.
5. Press the "Clock" button again after setting.

Operation Instructions:

Transmitter Operation

The Model D Remote Control has three operating modes. They are: On, Auto and Timer.



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.

ON Mode

1. Press the On/Off button once to activate the On Mode – “On” will appear on the LCD.
2. Press the On/Off button once to turn off the unit - “Off” will appear on the LCD, the receiver **will not** shut off the unit if you press the Auto on/off button while in the Manual mode.

Auto Mode

1. Set the desired target temperature. Use Up and Down buttons to set between 45° and 90°.
2. Press the 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 appliance when the room temperature is below the target temperature and turn off the fireplace when the room temperature is above the target temperature. The functions will take place within 2° to 3° of the temperature you set.
3. Press Auto/Off button to turn off the appliance (if it is already on) and exit Auto Mode, the receiver **will not** shut off if you press the Manual on/off button while in the auto mode.
4. See Operating Caution #6 on Page 4.

Timer Mode

1. You can set the timer to the length of time you want the appliance to operate (1 to 120 minutes).
2. Press the "Timer" button once. The Timer display "---- " will blink.
3. Press the Up and Down buttons to set the timer. The LCD will display the length of time chosen.
4. The timer setting can be canceled at any time by pressing and holding the "Timer" button.
5. Press Auto/Off button to turn on the fireplace.
6. The appliance will turn off at the end of the timer setting.
7. While in Timer mode the thermostat operation of the remote is discontinued until the countdown has been completed.

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 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 button becomes inoperable.
4. Press the UP and Down buttons in the following sequence, Up-Down-Down-Up-Down, within 2 seconds and button function will be temporarily restored. "Child-Proof" will disappear from the LCD.
5. If no button is pressed within 2 minutes, the Remote Transmitter will return to Child-Proof function and "Child-Proof" will reappear on the LCD until the Child-Proof switch is moved back to the other position.

Receiver Operation

The Remote Receiver has 2 operation modes. They are On and Remote.

On Mode

1. When the switch on the receiver is set to the ON position, it will turn the fireplace ON. When it is set to the OFF, it will turn the fireplace OFF.
2. The Receiver will not respond to the Transmitter in On or OFF setting.

Remote Mode

1. The Receiver will respond to the Transmitter and turn the fireplace on and off.

OPERATING CAUTIONS

- 1) Allow at least 2 seconds between each push on the ON/OFF button to allow receiver to respond to signal.
- 2) Do not lay transmitter on metal surface.
- 3) For best performance try to have a separation of 3' between transmitter and receiver.
- 4) Do not place thermostat type transmitter where it will be unusually hot (in the sun) or cool (by an A/C outlet).
- 5) With thermostat type transmitter allow for a +/- range of 3° from set temperature for system to start or stop burner pan flame.
- 6) 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.