

# ***Please Refer To Page 2 for NEW initial Startup Procedures***

## **RCK-I, RCK-IS, RCK-IW, RCK-IO ACUMEN MODEL I Fireplace Remote Control-DC Installation and Operation Instructions**

The Acumen Model I Remote control is designed for use with decorative gas logs, gas fireplaces and wall heaters. The Remote Receiver can be installed inside the fireplace or in a wall receptacle.

The Model I transmitter is a two-button hand held transmitter, which turns the gas on or off. The display of the transmitter shows the current room temperature.

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

The Model I 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 I 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. 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 AND OPERATING 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) Be sure DIP switch setting in transmitter and receiver are the same.
- 5) To light flames with remote:    a) Be sure pilot is lit.  
    b) Be sure control knob on valve is turned ON.
- 4) If your system includes a manual ON/OFF switch, be sure it is set at OFF

**DO NOT CONNECT 110 V AC TO THIS SYSTEM.**

**WARNING: TURN OFF THE GAS SUPPLY TO THE FIREPLACE BEFORE INSTALLING THE REMOTE RECEIVER.**

1. Make sure the slide switch on the Remote Receiver is at OFF position. See Figure 1.

**Batteries**

1. The Remote Transmitter uses 3 AAA-size batteries. Replace these batteries at least once a year.
2. The Remote Receiver uses 4 AA-size batteries. Replace these batteries at least once each ½ year or when the low battery indicator flashes.
3. After you take out the batteries, **wait for at least 1 minute** before putting fresh batteries into the Remote Transmitter/Receiver.
4. Use only fresh alkaline batteries

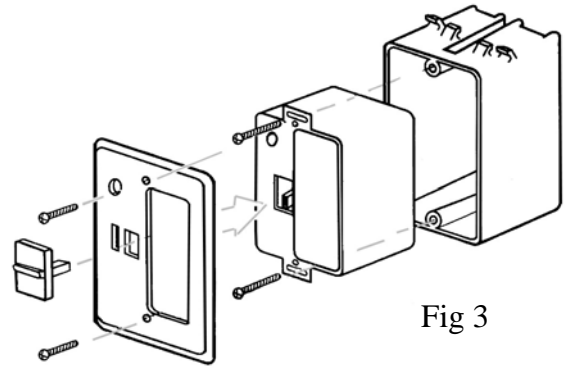


Fig 3

**For initial Start up**

**1. Put Receiver into the REMOTE position. Then put the 4 AA size batteries into the RECEIVER first, then put 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.**

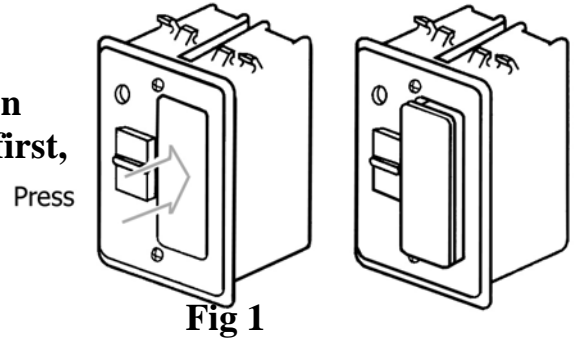


Fig 1

**Putting in or Changing Batteries**

1. Slide the slide switch on receiver to Off position.
2. Press the battery compartment slightly into the Remote Receiver and then release. The battery compartment will pop out of the Remote Receiver. Figure 1.
3. Slide open the battery door and replace batteries.
4. Replace the battery door and slide the battery compartment back into the Remote Receiver.
5. On the transmitter slide off battery door and put in or replace batteries.
6. Replace the battery door.

**IMPORTANT SAFETY FEATURE**

You can set a private code into your system to prevent accidental operation by any other transmitter nearby. See Figure 2.

**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.

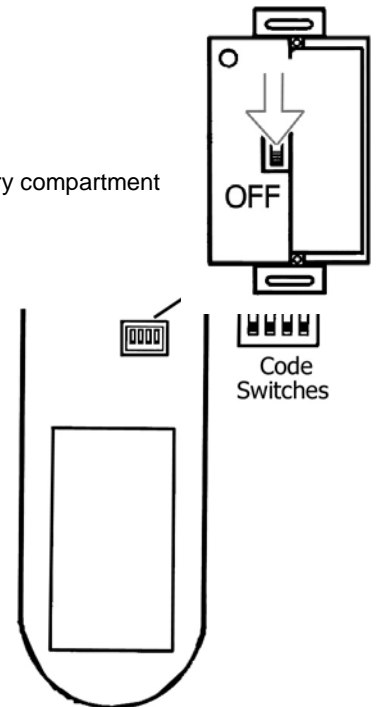


Figure 2

**Installing the Remote Receiver in a Wall Receptacle: (Model RCK-IW)**

1. Secure the Remote Receiver to the Receptacle.
2. Use the screws provided to secure the face plate to the Remote Receiver. See Figure 4.
3. Make provision to run wire from receiver to valve. Add wire, if necessary.

**Installing the Remote Receiver in a Fireplace:**

- 1.) Secure the Fireplace Mounting plate to the floor of the fireplace. If adhesive on bottom of face plate will not hold to the floor of your fireplace, use 2 of the self-drilling screws in the parts bag

(2 should be enough) to secure face plate to the fireplace floor. See Figure 4.

2.) Slide the Remote Receiver into the fireplace mounting plate. See Figure 4.

3.) Slide the battery compartment into the Remote Receiver. See Figure 5.

4.) Run 2 wires from receiver through hole in upper backside of heat shield and place heat shield over receiver leaving front of receiver exposed.

5.) Connect one wire from the receiver (the one with the fork connector on it) to the TH Terminal on the valve.  
For rest of wiring see A, B & C below.

6.) In order to prevent Remote Receiver (Fireplace Installation only) from overheating, put the Heat Shield (provided) over the Remote Receiver, and place as far from flame as possible.

### **Operation Instructions:**

#### **Transmitter Operation**

1. Press the On button once to turn on the fireplace.  
Press the Off button once to turn off the fireplace.

**NOTE: PLEASE NOTE IT WILL TAKE ABOUT 2 SECONDS FOR THE REMOTE RECEIVER TO RESPOND TO THE TRANSMITTER. THE USER SHOULD NOT PRESS THE BUTTONS ON THE TRANSMITTER MORE THAN ONCE WITHIN 2 SECONDS FOR CORRECT OPERATION.**

#### **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.

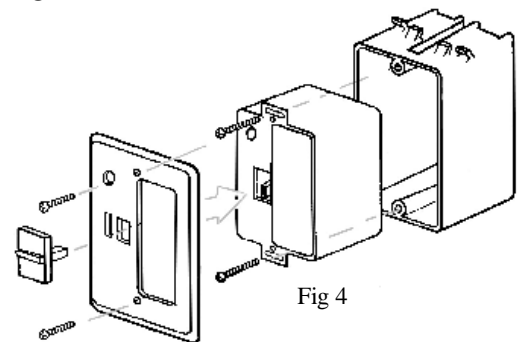
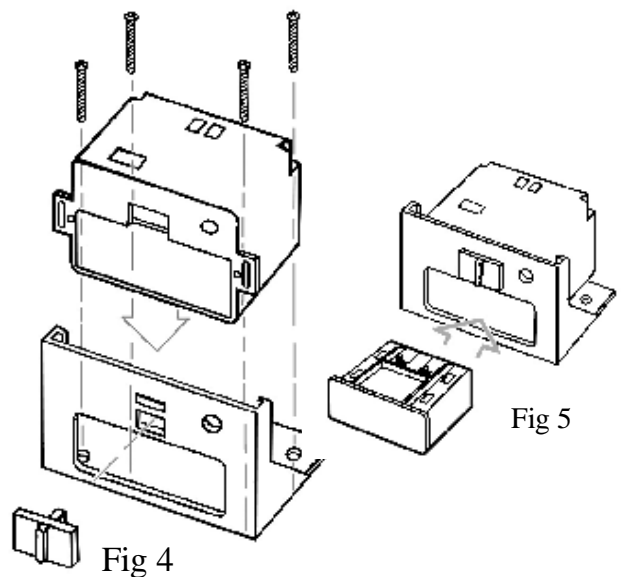
2. The Receiver will not respond to the Transmitter in On or OFF setting.

##### **Remote Mode**

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

#### **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. To temporarily turn off the child-proof function, press the **off** button in the following sequence, LONG(the star will disappear)-short(the Child will disappear)-short(the dash will disappear)-Long(the Proof will disappear)-short(the star will disappear) Long meaning hold the button down longer. Do all this within 2 seconds between pushes 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.



## **WIRING INSTRUCTIONS**

A) IF YOU ARE USING A REMOTE CONTROL OR WALL SWITCH AND HAVE BOTH 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 1.

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 SIDE OF THE REMOTE, CONTROL OR WALL SWITCH IN DIAGRAM 2 DIRECTLY TO TERMINAL TH/TP.

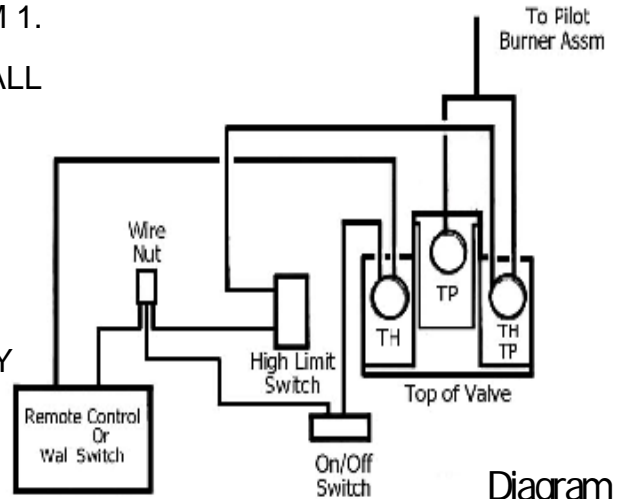


Diagram 1

## **OPERATING CAUTIONS**

1) Allow at least 2 seconds between each push of the buttons to allow receiver to respond to signal.

2) Do not lay transmitter on metal surface.

3) For best performance try to have a Minimum separation of 3' between transmitter and receiver.

4) 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.

5) If remote fails to turn on the main burner or is working sporadically change batteries in both transmitter and receiver and check for proper connections inside each battery compartment.

6) If Fireplace has been burning and shuts off after a period of time, reposition the receiver in the fireplace. The receiver has a built in overheat protection device which will shut off the fireplace if it exceeds 150° it will shut off the unit.

The Receiver will then turn back on the unit after it has cooled. If this should happen relocate to a position further from the heat.

7) The Receiver has an internal timer to shut off the fireplace after 6 hours of continuous burning. This is to prevent unwanted extended burning.

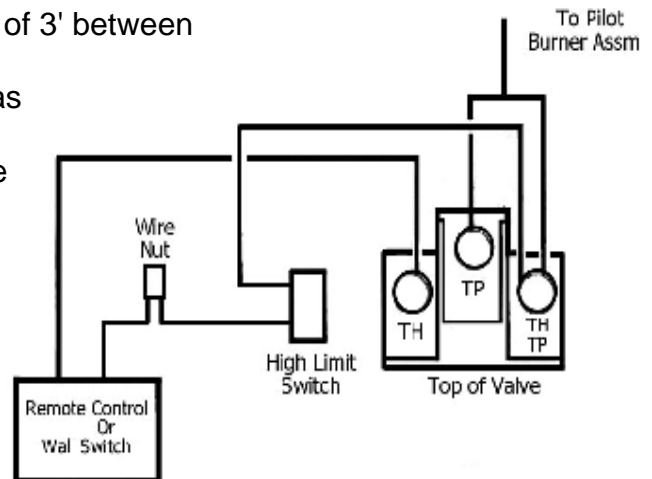


Diagram 2

## **Resetting Frequency**

1. Slide the switch on the remote receiver to the off position.
2. Push on the battery compartment drawer and remove it from the receiver leave out for 30 sec.
3. Reinstall the battery compartment
4. For the next 5 minutes the receiver will accept re-programming. If you wait longer than 5 minutes repeat steps 1-3
5. Remove the cover on the back of the hand held transmitter, do not remove any screws. Press slightly on the bottom portion of the back cover and slide it toward the bottom of the transmitter.
6. Remove the batteries from the transmitter
7. Set the dip switches on the transmitter to any combination of on and off. Use a combination of settings that is not duplicated on any other Acumen remote control in the building
8. Reinstall batteries into the transmitter
9. Display will be flashing.
10. Push off button on the transmitter and receiver will give audible beep.
11. Transmitter and Receiver are both now set at the new frequency