



Acumen Model H (FAC 408)

Fireplace Remote Control

Installation and Operation instructions :

The Acumen Model H Remote Control is designed for use with decorative gas fireplaces and wall heaters using SIT 852 Nova gas valve.

The Model H Transmitter is an eight-button hand held transmitter, which turn the gas on /off or as a thermostat, adjust the flame height, and turn the blower on/ off and adjust 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 H Remote Control is tested safe when installed in accordance with this installation manual. It is your responsibility to read all instruction before starting installation and to follow these instructions carefully during installation.

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

The Model H 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 antenna.
- 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.

Canadian Equipment Requirements

This digital apparatus does not exceed the (class A/Class B)* limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques (de la class A/de la class B)* prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

This device complies with RSS-210 of Industry and Science Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

All wiring should be done by a qualified electrician and shall be in compliance with local codes and with the National Electric Code ANSI/NFPA No. 70-current (In the United States) , or with the current CSA C22.1 Canadian Electric Code (in Canada).

1.0 Installation Instruction

1.1 Installing the Receiver

WARNING : TURN ELECTRICAL POWER OFF AT THE CIRCUIT BEAKER 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 labelled " Main Valve " to the Millivolt generator and millivolt valve (see Fig. 1) or the Emergency Switch (Fig.2). Switch the Emergency Switch to OFF position if it is installed. Use the Emergency Switch only at power failure.

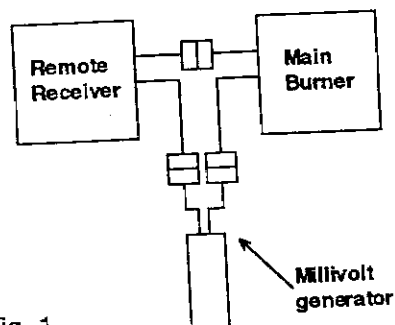


Fig. 1

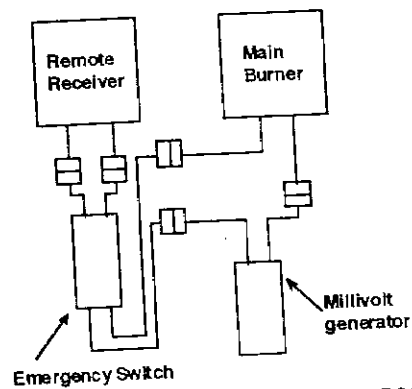


Fig. 2

NOTE : THE REMOTE CONTROL CAN NOT TURN OFF THE FIREPLACE IF THE EMERGENCY SWITCH IS SWITCH TO "ON" POSITION

4. Plug the cord from the blower (2-prong male plug) into the black cord (2-hole female plug end) of the receiver.
5. Plug the output cable labelled "Solenoid" to the modulation solenoid of the gas valve. See Fig. 3

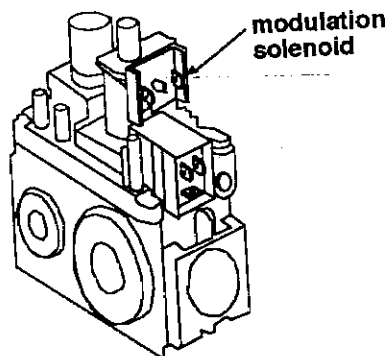


Fig. 3

6. Slide the slide switch at the bottom of the Receiver to NG for Natural gas and LPG for Liquid petroleum gas.
7. Plug the black cord (2-prong male plug end) of the receiver into the junction box.
8. In order to prevent the Remote Receiver from overheating, put a Heat-Shield (option item) above the Remote Receiver. See Figure 4.

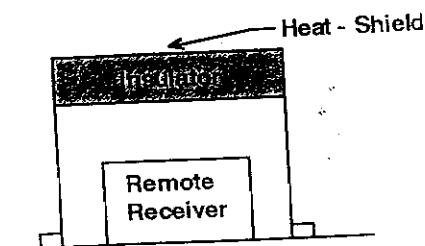


Fig. 4

9. Turn the electrical power "ON" at the circuit breaker.
10. Follow the Lighting Instruction section in the fireplace instruction manual. Be certain that the pilot light is on and the gas control valve is in the "ON" position.

Operation Instructions :

The Model H Remote Control has 5 operating modes. They are : Manual, Auto, Timer, Flame Adjustment and Fan Adjustment.

You can only operate the Flame Adjustment and Fan modes in Manual or Auto Modes.

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

2.1 Operating Modes :

A. 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 the room temperature exceeds the target temperature.

B. Auto Mode :

1. Set the desire target temperature.
2. Press the Auto On/Off button once to activate the Auto mode. 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 On/Off button or Manual On/Off buttons to turn off the fireplace (if it is already on) and exit Auto Mode.

WARNING :

IT TAKES SOME TIME FOR THE RECEIVER TO RESPONSE TO THE TRANSMITTER. DO NOT PRESS THE MANUAL AND / OR AUTO ON/OFF BUTTONS MORE THAN ONCE WITH 2 SECONDS FOR CORRECT OPERATION.

C. 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 " Time Set " button once. The Timer display "----" will blink.
3. Press the Up and Down buttons to set the timer. The LCD will display the time chosen.
4. The timer setting can be cancelled at any time by pressing the " Time Cancel " or Manual On/Off buttons.
5. Press Auto On/Off button to turn on the fireplace.
6. The fireplace will turn off at the end of the timer setting.

D. Flame and Flame 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 20, 40, 60, 80 & 100%.
3. Press the Fan button to adjust the fan speed to Low, Med, High or Off.
4. The fan will turn on and off automatically with the fireplace place.

E. Child- Proof Function :

1. Remove the cover at 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 buttons become in-operational.
4. Press the Up and Down buttons in the following sequence, Up-Down-Down-Up-Down, within 2 second will temporarily restore button function. " *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* " reappear on the LCD until the Child-Proof switch is slid back to the other position.

F. Settings :

1. Press and hold Set button for about 2 seconds.
2. The hour display will flash. Use the Up and Down buttons to set hour.

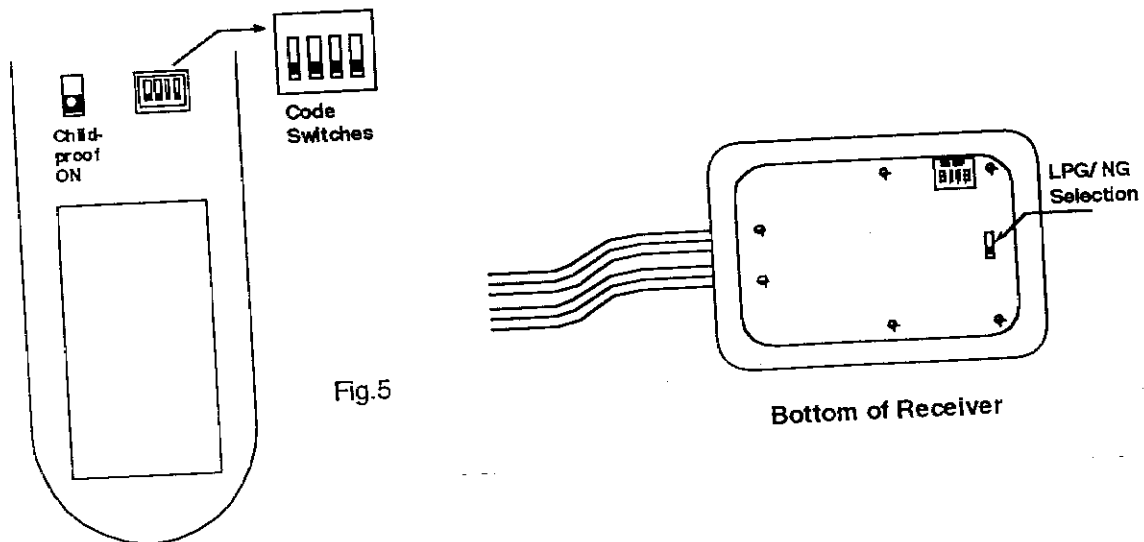
3. Press the Set button again and the minute display will flash. Use the Up and Down buttons to set minute.
4. Press the Set button again and the °F or °C display will flash. Use the Up and Down buttons to select the Remote Transmitter to display temperature °F or °C.

G. Batteries

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

3.0 IMPORTANT SAFETY FEATURE :

You can set a private code into your system to prevent accidental operation by other transmitter nearby. See Fig. 5



3.1 Coding Instructions :

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

There are also code switches on the back of the Remote Receiver. Slide the code switches to exactly match the settings on the Remote Transmitter.

Replace the cover of the Remote Transmitter and the Receiver. The system is now ready to operate.