

14. OPERATING YOUR GAS FIREPLACE

BEFORE YOU USE YOUR GAS FIREPLACE

1. Determine that the gas shut-off valve is in the open position (there may be more than one shut-off valve between the Fireplace and the main gas supply; make sure all are turned on).
2. If the Fireplace has not been used for some time, there will be air in the gas supply line. This will be automatically purged when you light the pilot.
3. Smell for gas, especially near the floor if you are using LPG (propane) as it is a heavy gas and any leaked gas would stay near the floor. Natural Gas is lighter than air and will rise. If you smell gas, do not attempt to light. Follow “What to do if you smell gas” instructions shown on the cover of the manual.

15. LIGHTING INSTRUCTIONS

MAIN CONTROLS

The main controls for the Franklin Fireplace are located at the back right hand corner of the top of the Fireplace. There are four main controls:

1. The Gas Control Knob (ON/OFF/PILOT - controls the flow of gas to the pilot and the main burner).
2. The Ignitor Button (used to ignite the pilot).
3. The (ON/OFF) Rocker Switch - turns the Fireplace on/off by controlling the millivolt electricity flow to the controller
4. The “Hi-Lo” adjustment Knob (controls flame height and heat output)

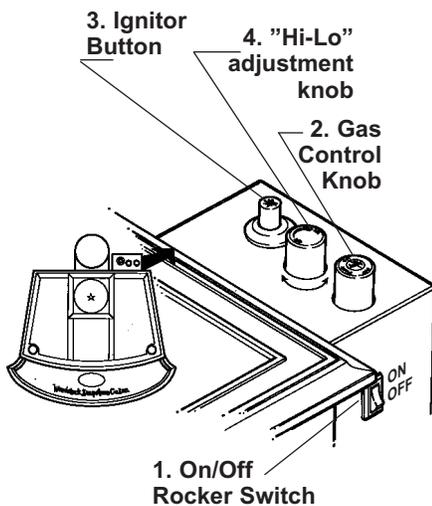


Illustration 15.1

LIGHTING THE PILOT

1. If the pilot is lit then proceed to Lighting the Fire on page 23. See step 4 for information on how to locate the pilot.
2. Turn the rocker switch to the “OFF” position.
3. Push down slightly on gas control knob and turn it counterclockwise to “PILOT”. If the gas control knob is already in the “PILOT” position and the pilot is not lit you must turn the knob to the “OFF” position, wait to hear a “click” (up to 30 seconds) then turn the knob back to “PILOT” and go to step 4.

4. Visually locate the pilot. It is at the right side of the logset in front of the small, partial log. (see illustration 15.5)
5. Light the pilot by pushing down on the gas control knob and holding it down while repeatedly pushing the ignitor button. This sends a spark to the pilot. Keep pushing the ignitor button about once every second for up to 30 seconds.

IF PUSHING IGNITOR BUTTON DOES NOT LIGHT PILOT WITHIN 30 SECONDS, STOP TRYING. Wait five minutes before attempting to light the pilot. If it still does not light, see “Trouble Shooting” .

When you see the pilot ignite, continue to hold the gas control knob in for about 15 seconds then release. The pilot should now remain lit.

Technical Note:

HOW THE PILOT SAFETY CONTROL WORKS: When lit, the pilot flame warms a thermocouple. The heated thermocouple produces a small electrical current that activates an electromagnet which keeps the pilot gas supply valve open. When you hold down the control knob after the pilot initially lights, you are manually keeping open the gas supply until the thermocouple warms up enough to automatically keep the gas supply valve open.

Should the pilot blow out, the thermocouple will cool and the electromagnet will close the gas supply valve and shut off the supply of gas. If pilot goes out after being lit long enough to warm the thermocouple, the thermocouple must cool down before the electromagnet will allow the gas valve to reopen. This can take up to 30 seconds and produces an audible “click”.

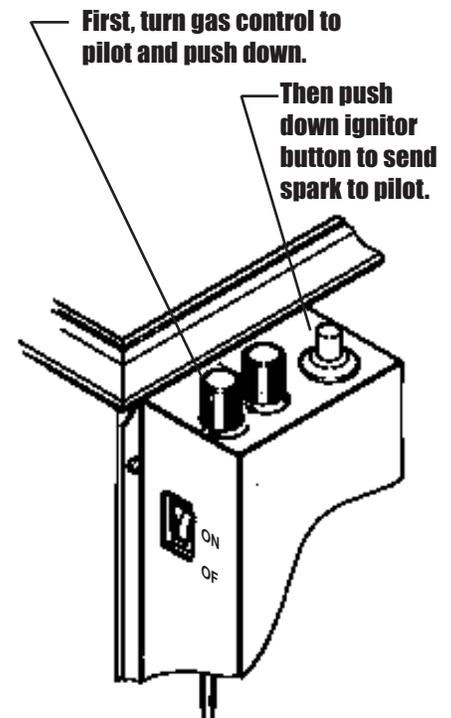


Illustration 15.2 To ignite the pilot, use the two controls indicated above.

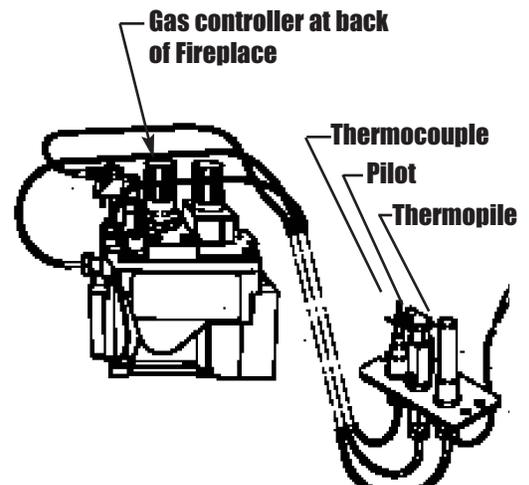


Illustration 15.3 The pilot is located between the thermocouple and thermopile. The pilot flame is visible on the right side of the firebox.

LIGHTING THE FIRE

NOTE: Remote Control or Thermostat owners see Section 18 or 20 for lighting instructions.

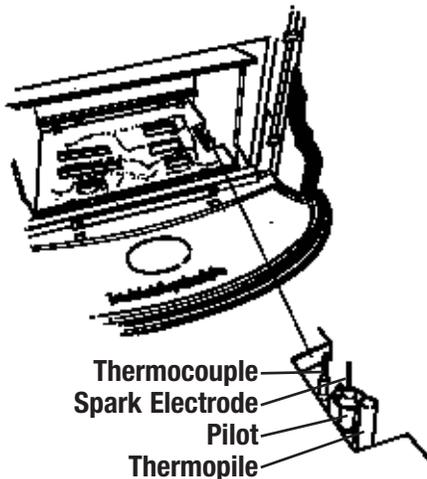


Illustration 15.4 *The pilot assembly is located on the right side of the firebox, about half way back along the side wall*

1. Check that the pilot is lit and turn the Gas control knob to the “ON” position. The pilot can be seen at the right side of the logset in front of the small, partial log. If it is not lit, follow the previous instructions for lighting the pilot.
2. Put the “ON/OFF” Rocker Switch to the “ON” position. The Fireplace will light up. There may be a delay in lighting as the thermopile warms to an operating temperature and permits the gas to enter the burner pan.
3. Check that the flames are evenly distributed. They will be mostly blue for the first 15 minutes and then will change to yellow/orange. There may be a slight amount of condensation on the glass. This will disappear when the fireplace heats up.
4. Adjust the flame height and heat output using the “HI-LO” adjustment knob. It adjusts the flame from 100% at “HI” to 70% at “LO”.
5. If this is the first time you have burned your new fireplace for any length of time, you may smell the fireplace paint curing. This is normal and will go away within a few hours.
6. The adhesive on the window gasket will also take a few days to cure. This process will create an unpleasant odor. This is normal and will go away after your first few fires.

TURNING OFF THE PILOT

1. To turn off the pilot, simply turn the Gas control switch to “OFF” This turns off the gas supply to both the pilot and the fire.

TURNING OFF THE FIRE

You may use any one of the following methods to shut the fire off:

1. Push the “ON/OFF” Rocker Switch to “OFF” position. This will turn off the fire, but the pilot will remain lit. Simply push it back to “ON” to re-light the fire.
2. **To completely shut off the Fireplace**, including the pilot, turn the Gas Control Knob to the “OFF” position. It is a good idea to turn the Gas Control Knob to “OFF” and turn the manual gas valve on the supply line to “OFF” if the stove will not be used for any length of time. This turns off the pilot, the burner, and the gas supply.

WARNING

Do not attempt to decrease flame size or heat output by closing the manual gas supply valve. This valve should always be in a fully open position.

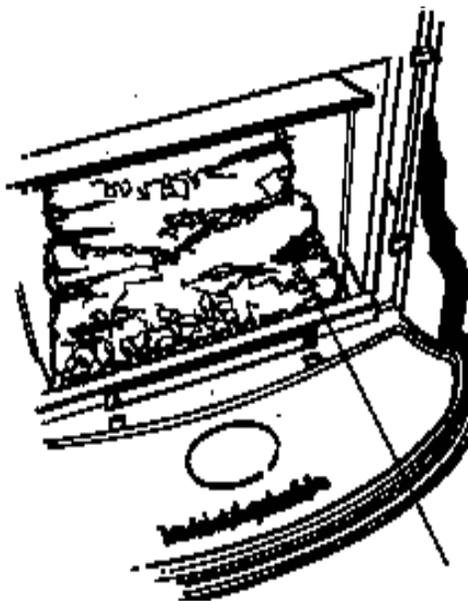


Illustration 15.5 *When the pilot is lit, the flame will be clearly visible at the right side of the firebox, just beneath the right side of the burnt log remnant.*

16. SAFETY INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE OPERATING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

- A. This appliance has a pilot. When lighting the pilot, follow these instructions exactly.
- B. **BEFORE OPERATING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any gas appliance.

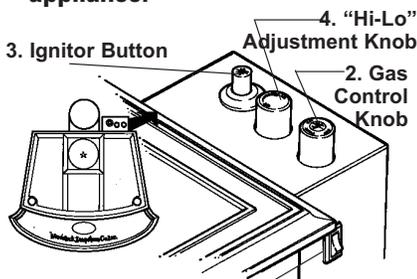
- Do not touch any electric switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier. Call the fire department.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to

repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.

- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information on the panel above.
2. Turn thermostat to lowest setting.
3. Turn off all electric power to the appliance.



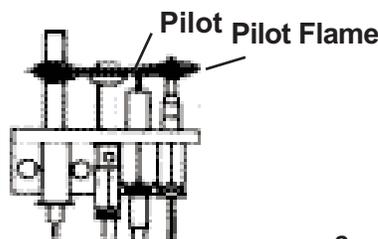
1. On/Off Rocker Switch

4. Place the ON/OFF switch in the OFF position.
5. Push in gas control knob slightly and turn clockwise  to "OFF".
NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.
6. Wait five (5) minutes to clear out any gas. If you then smell gas.

STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

7. Turn knob on gas control counterclockwise  to "PILOT".
8. Find pilot. The pilot is located below the logset in the forward right corner area of the firebox.

Pilot Burner Assembly



9. Push in control knob all the way and hold in. Immediately light the pilot by pushing the red starred ignitor button once every second for up to 30 seconds. If it does not light in 30 seconds, refer to step number 6.

Continue to hold the control knob in for about 15 seconds after the pilot is lit. Release knob and it will pop back up.

Pilot should remain lit. If it goes out, repeat steps 5 through 9.

- * If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
- * If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

10. Turn gas control knob counterclockwise  to "ON".

11. Place the ON/OFF switch in the ON position; or if you have a remote control, turn the receiver switch to the "ON" position; or if you have a thermostat, place the thermostat switch in the "ON" POSITION.

TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to the lowest setting.
2. Turn off all electric power to the stove if service is to be performed.

3. Push in gas control knob slightly and turn clockwise  to "OFF."

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

17. REMOTE CONTROL

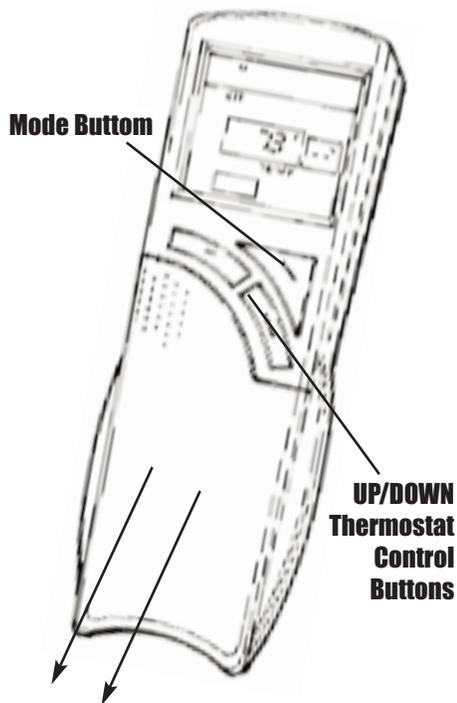


Illustration 17.1 Remote Transmitter Cover slides back to access all timer settings.

CONSIDERATIONS FOR SELECTING AN OPTIONAL THERMOSTAT

Both the remote control and the wall thermostat are useful accessories. The wall thermostat is a little simpler, a little less versatile, and a little less expensive.

REMOTE CONTROL UNIT

The battery operated remote control has two main parts:

1. The Remote Transmitter
2. The Remote Receiver

THE REMOTE TRANSMITTER HAS THE FOLLOWING FEATURES:

Main Control Pad

- “ON-OFF” function
- “ON-OFF” indicators
- Ambient temperature read out
- Thermostat temperature setting
- Raise temperature key
- Lower temperature key
- Sound “OFF-ON” switch
- Clock
- Battery Condition Display

Under sliding cover

- Timer/Programmer
- Read/set clock time
- Increase time setting
- Decrease time setting
- Set timer button

The Remote Receiver must be installed in order to operate the Fireplace using a Remote Transmitter.

A wiring diagram for the Remote Control Unit is attached as Appendix B.

The Remote Receiver must be turned on in order to start the Fireplace. When the remote receiver is switched to “Remote”, and the Remote Transmitter is switched on, the Fireplace will turn on and

off depending on the temperature setting. You simply set the temperature you want to maintain using the up or down buttons on the main control pad. The Remote Transmitter turns the Fireplace on when the temperature falls below the setting, turns it off when the desired temperature is reached.

NOTE: The Remote Transmitter can only turn the Fireplace on or off. It does not control the flame height or heat output, which are regulated only by the “Hi-Lo” adjustment knob on the gas control.

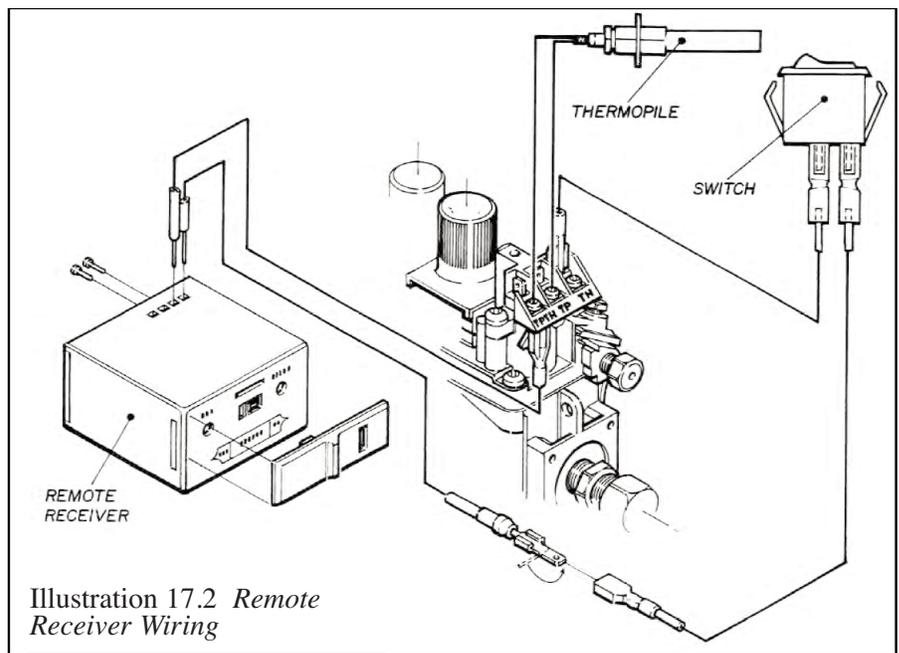


Illustration 17.2 Remote Receiver Wiring

REMOTE TRANSMITTER:

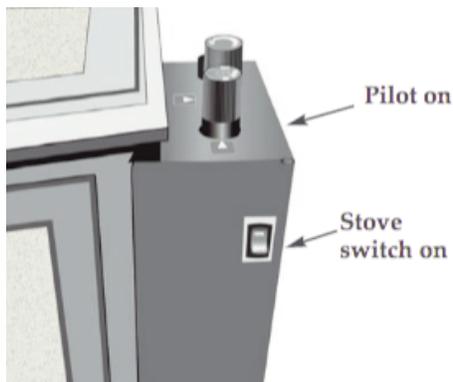
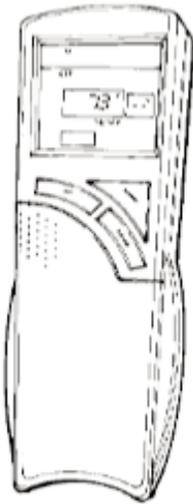
The Remote Transmitter has a built in thermostat. Place the Transmitter in the area you want to warm and set it for the temperature you want for that area. It transmits a radio frequency. Try to keep the Transmitter within 15 feet of the receiver.

TIMER: You may set the Remote Transmitter to turn on or off at whatever hour you choose. For example, if you want the Fireplace to turn on an hour before you get up in the morning, and go off at night after you have gone to bed. Just program the time accordingly, say 5:30AM and 10:30PM. Refer to instructions included with remote unit.

CAUTION: If the batteries fail in either your Remote Transmitter or the Remote Receiver, the Fireplace will continue doing whatever it was doing when the batteries failed. If it was burning, it will continue burning until you manually turn it off. If it was off, it will remain off. There is no immediate danger in this situation. You could come home to either a very warm house or, if the Fireplace is your sole source of heat, a very cold house which offers the eventual danger of frozen water pipes. If this is a concern, switch the Remote Receiver from “REMOTE” to “ON” and adjust the flame height to where you believe it will keep the heated area at the desired temperature.

NOTE: If either set of batteries fail in the Transmitter or Receiver the On/Off switch in the receiver will still operate the fireplace. If either set of batteries fail in the Transmitter or Receiver the Remote Transmitter will not function.

18. LIGHTING THE FIRE FOR REMOTE CONTROL OWNERS



1. Check that the pilot is lit and turn the Gas control knob to the “ON” position. The pilot can be seen at the right side of the logset in front of the small, partial log. If it is not lit, follow the previous instructions for lighting the pilot.
2. Put the “ON/OFF” Rocker Switch to the “ON” position.
3. You must select one of the following modes on the Remote Control Receiver to light the fire:
 - a. The “ON” mode will bypass the remote transmitter functions and light the fireplace directly.
 - b. The “REMOTE” mode will enable the remote transmitter functions. In this mode the remote transmitter must be turned “ON”. When the temperature of that location falls below the setting of the thermostat, built into the remote transmitter, the fireplace will light.

NOTE: When the receiver recognizes a signal from the transmitter it will produce an audible beep. (SEE THE DETAILED INSTRUCTIONS INCLUDED WITH THE REMOTE CONTROL UNIT)

4. Check that the flames are evenly distributed. They will be mostly blue for the first 15 minutes and then will change to yellow/orange. There may be a slight amount of condensation on the glass. This will disappear when the fireplace heats up.
5. Adjust the flame height and heat output using the “HI-LO” adjustment knob. It adjusts the flame from 100% at “HI” to 70% at “LO”.
6. If this is the first time you have burned your new fireplace for any length of time, you may smell the fireplace paint curing. This is normal and will go away within a few hours.

SHUTTING THE FIRE OFF FOR REMOTE CONTROL OWNERS

You may use any one of the following methods to shut the fire off:

1. Turn the remote transmitter “OFF”. This will work **only if the remote receiver is in the “REMOTE” position.*** To re-light the fire turn the remote transmitter “ON”.
*This will turn off the fire, but the pilot will remain lit.
2. Move the remote receiver into the “OFF” position. This will turn off the fire, but the pilot will remain lit. To re-light the fire move it back into the “ON” position.
3. Push the “ON/OFF” Rocker Switch to the “OFF” position. This will turn off the fire, but the pilot will remain lit. Simply push it back to “ON” to re-light the fire.

- To Completely shut off the Fireplace, including the pilot, turn the Gas Control Knob to the “OFF” position. It is a good idea to turn the Gas Control Knob to “OFF” and turn the manual gas valve on the supply line to “OFF” if the stove will not be used for any length of time. This turns off the pilot, the burner, and the gas supply.

19. WALL THERMOSTAT

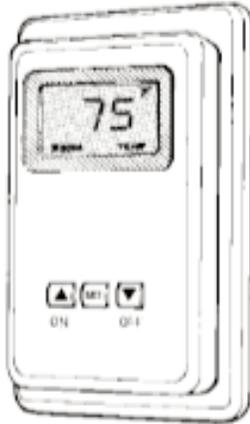


Illustration 19.1 The wall switch allows you to turn the Fireplace on and off, and control room temperature with a built-in thermostat.

The Wall Thermostat allows you to (1) manually turn the Fireplace on and off from a remote location, and (2) set a thermostat so the Fireplace will maintain a pre-set temperature.

The wall thermostat should be installed about 5' above the floor, in the same room as the Fireplace. Try to install the wall thermostat on an inside wall, in a location where the thermostat will not be affected by specific sources of heat and cold other than the Fireplace. (For example try to avoid installation on an outside wall, or in a direct path of heat from radiators, warm air registers, or lamps.)

Installation directions are packaged with the wall thermostat, and a wiring diagram is included at the end of this manual as Appendix B.

20. LIGHTING THE FIRE FOR THERMOSTAT OWNERS

- Check that the pilot is lit and turn the Gas control knob to the “ON” position. The pilot can be seen at the right side of the logset in front of the small, partial log. If it is not lit, follow the previous instructions for lighting the pilot.
- Put the “ON/OFF” Rocker Switch to the “ON” position.
- Turn the thermostat to the “ON” position and set it to the desired temperature. The Fireplace will light when the thermostat setting exceeds the room temperature.
- Check that the flames are evenly distributed. They will be mostly blue for the first 15 minutes and then will change to yellow/orange. There may be a slight amount of condensation on the glass. This will disappear when the fireplace heats up.
- Adjust the flame height and heat output using the “HI-LO” adjustment knob. It adjusts the flame from 100% at “HI” to 70% at “LO”.
- If this is the first time you have burned your new fireplace for any length of time, you may smell the fireplace paint curing. This is normal and will go away within a few hours.



SHUTTING THE FIRE OFF FOR THERMOSTAT OWNERS

You may use any one of the following methods to shut the fire off:

1. Turn the temperature control down on the thermostat. This will turn off the fire, but the pilot will remain lit. To turn the fire back on, turn the temperature control up.
2. Put the Thermostat in the “OFF” position. This will turn off the fire, but the pilot will remain lit. Simply put the Thermostat back into the “ON” position to re-light the fire.
3. Push the “ON/OFF” Rocker Switch to the “OFF” position. This will turn off the fire, but the pilot will remain lit. Simply push it back to “ON” to re-light the fire.

Note: If either the Thermostat or Rocker Switch is in the “OFF” position the Fireplace will remain off.

4. **To Completely shut off the Fireplace**, including the pilot, turn the Gas Control Knob to the “OFF” position. It is a good idea to use this method and shut off the valve to the supply line if the stove will not be used for any length of time.

Before performing any maintenance, turn the gas control knob to the “off” position. This will extinguish both the fire and the pilot flame. Wait until the Fireplace is cold before cleaning.