



#### SPECIFICATIONS

Input Rating:  
20,000 Btu/hr(Model# LL(S,A)-1220NG)  
26,000 Btu/hr(Model# LL(S,A)-1626NG)  
40,000 Btu/hr(Model# LL(S,A)-2440NG)  
51,000 Btu/hr(Model# LL(S,A)-3051 NG)  
59,000 Btu/hr(Model# LL(S,A)-3659NG)  
68,000 Btu/hr(Model# LL(S,A)-4068NG)  
31,000 Btu/hr(2)(Model# LLT-7.531-NG)

Normal Inlet Pressure: 7" W.C. (1.74 kPa)  
Maximum Inlet Pressure: 10.5" W.C. (2.61 kPa)  
Minimum Inlet Pressure: 3.5" W.C. (0.87 kPa)

#### WARNING

**Do not restrict air flow into Fireplace using the log lighter.**

**Make sure the chimney flue is open before attempting to operate this device.**

**Make sure that glass doors are open while using the log lighter and spark screen is closed.**

**Failure to observe these warnings may result in possible injury.**

#### INSTALLATION

Install & use this device with care. Follow all local codes or, in the absence of local codes, to the National Fuel Gas Code, ANSI Z 223. 1NFPA 54.

#### GAS LINE INSTALLATION

- Gas controls shall not be installed inside the fireplace.
- Gas controls must be properly located and shielded to prevent overheating due to exposure to the wood fire.
- Piping which exits the fireplace will conduct heat. Adequate clearances must be maintained from piping to combustible construction to avoid a fire hazard. It is required that a minimum 1/2" clearance to combustibles be maintained within 6" of where the gas line passes through any side of the fireplace. Pipe sealant must be used on all joints.

#### LOG LIGHTER INSTALLATION

Log lighter should be installed on the front of the grate in such a manner to minimize flame impingement, the amount of heat exposure and that logs placed on the grate will not rest directly on the log lighter tube. Also, the floor clearance should be sufficient to minimize the chance of the blockage of the burner ports by ash accumulation.

#### Steps to install your log lighter:

1. The fireplace should be free of all debris.
2. A listed Blue Flame gas valve must be installed up steam of the log lighter.
3. Run gas pipe to the log lighter. Lighter must be secured in a rigid manner. Example: use 1/2" rigid pipe for gas inlet and to the log lighter (inlet 1/2" NPT). Use pipe fittings to support the opposite plugged end of the log lighter (1/2" male NPT) incontact with the floor or side of the fireplace. Do not use copper or flexible connectors inside the firebox. Locate log lighter as indicated above and maintain proper clearances.
4. The log lighter should be located such that the burner ports are facing inwards at 30-45 degrees, with the air shutter facing out towards the front. Adjust the air shutter to give sharp blue flames with yellow tips.
5. The log lighter and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa). The log lighter must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than Y, psi (3.5 kPa).

## LIGHTING INSTRUCTIONS

1. MAKE SURE CHIMNEY FLUE IS OPEN BEFORE ATTEMPTING TO OPERATE THIS DEVICE.
2. Fireplace should be clean of all debris, as this could contain hot coals which could cause ignition if not removed or disposed properly. Ashes should be placed in a metal container with a tight fitting lid. The closed container should not be placed on a combustible floor, and kept away from other combustible materials until the ashes have cooled or have been removed from the container. Before disposing of ashes, ensure that all cinders have cooled thoroughly.
3. Make sure the log lighter gas valve is in the OFF position.
4. Stack logs on the fireplace grate allowing an air space between logs for quick lighting. Wait approximately five minutes before lighting.
5. Make sure that shutter on mixing chamber is open to ensure that air and gas is being mixed, flame should be blue.
6. If the fireplace is equipped with glass doors, the doors shall be opened for at least 5 minutes before attempting to light the device. In case of burner outage, the gas supply shall be turned off and the doors left open for at least 5 minutes before attempting to relight the device.
7. Light the burner by using a long fireplace match or a lit paper under the center of the lighter near the burner ports.
8. Turn the gas valve ON gradually until burner ignition occurs.
9. If burner does not light within five seconds, turn gas valve OFF and wait 5 minutes before trying to relight.
10. When log lighter is burning, close the fireplace screens. Do not close glass doors unless the wood in fireplace has been certified for use with log lighter with doors closed.
11. When the wood fire is lit, the log lighter valve should be turned off. Failing to do so will cause wood to burn quicker than normal.
12. Remove gas valve key and place in a safe location out of reach of small children.

## LEAK CHECKING

Periodically check all connections for leaks, or immediately check if smell of gas is detected. Do not smoke while leak checking. Extinguish all open flames. Make a soap solution of one part liquid detergent and one part water. You will need a spray bottle, brush or a piece of rag to apply the solution to the fittings.

1. Light the burner by using a long fireplace match or a lit paper under the center of the lighter near the burner ports.
2. Turn the gas valve ON gradually until burner ignition occurs.
3. Apply the soap solution around the connections. Soap bubbles will appear where a leak is present.
4. If a leak is present, immediately turn off gas valve, tighten any leaking connection, relight the burner and recheck.

## MAINTENANCE INSTRUCTIONS

Dust, lint, debris and spider webs can build up during off season. Keep burner and air flow passageways clean. Inspect or have these areas inspected at the beginning of the heating season by a qualified service person.

**Before Cleaning:** Ensure the gas valve is off. Make sure the fireplace is cool.

**Burner Cleaning:** Use a flashlight to inspect the log lighter inlet & burner ports to ensure they are not blocked. If obstruction can be seen then use a metal wire coat hanger that has been straightened out.

**Air Passageways, Glass Doors & Screens:** Use a vacuum cleaner to clean the combustion, circulating air passageways and screens and dampened cloth to clean the glass doors.

**Fireplace Build-up:** Remove ash build-up to avoid blockage of burner ports.



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