

# Log Lighter Instructions

These instructions are to be left with Homeowner/Occupant, who is to retain them for future use.

## **WARNING**

- Do not restrict air flow into fireplace while 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 the spark screen is closed.
- Failure to observe these warnings may result in possible injury.

## **GAS LINE INSTALLATION**

Gas controls shall not be installed inside of the fireplace. Gas controls must be properly located or 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 the side of the fireplace. Pipe leak sealer must be used on all joints. Use only an approved leak check solution to check for gas leaks.

## **DO NOT USE AN OPEN FLAME**

## **SPECIFICATIONS**

- Designed to run at normal house pressure of 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).
- Fuel – natural gas, Input 25,000 Btu/hr.

## **INSTALLATION OF LOG LIGHTER**

The installation of this device must conform with local codes; or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1. When

installing the log lighter, it should be installed in such a manner to minimize the amount of heat that the log lighting tube will be exposed to.

The log lighting tube must be installed on the front of the grate in such a way that logs placed on the grate will not rest directly on the log lighter tube.

(Note: Locate lighter to minimize flame impingement on the grate).

The following steps should be performed when installing your log lighter.

STRAIGHT APPLICATION: Apply Teflon tape or approved pipe sealer to the 1/2" NPT pipe plug. Assemble the pipe plug in the 1/2" NPT side hole (#B) FOR A STRAIGHT APPLICATION.

90 DEGREE APPLICATIONS: Apply Teflon tape or approved pipe sealer to the 1/2" NPT pipe plug. Assemble the pipe plug 1/2" NPT end hole (#A) FOR A 90 DEGREE APPLICATION.

1. The fireplace should be free of all debris.
2. A listed Dante Products (gas) valve must be installed upstream 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. Use pipe fittings to support the opposite end of the lighter (3/8" male NPT) in contact with the floor or side of the fireplace. Do not use copper or flexible connectors inside the firebox. Locate the log lighter as indicated above and maintain proper clearances.
4. If the gas supply piping system is to be tested at pressures in excess of 1/2 psig (3.5 kPa) to prevent possible damage, the lighter and its individual shutoff valve must be disconnected from the system. During any pressure testing of the supply system at pressures less than or equal to 1/2 psig (3.5kPa); the lighter must be isolated from the system by closing its individual shutoff valve.
5. The log lighter should be located such that the burner ports are horizontal, facing into the fire box, with the air shutter facing out toward the front. Locate lighter to minimize flame

impingement on the grate. Adjust the air shutter to give a sharp blue flame with yellow tips.

## **INSTRUCTIONS LIGHTING/OPERATION**

1. Make sure chimney flue and glass doors and screens are open.
2. Fireplace should be clean of all debris, as this could contain hot coals which could cause ignition if not disposed of properly. Ashes should be placed in a metal container with a tight fitting lid. The closed container should be placed on a non-combustible floor, and kept away from other combustible materials until the ashes have cooled or been removed from the. 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 the 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. Light the burner by using a long fireplace match or lit paper under the center of the lighter near the burner ports.
7. Turn the gas valve ON gradually until burner ignition occurs.
8. If burner does not light within 5 seconds, turn valve off and wait 5 minutes before trying to relight.
9. When log lighter is burning, close the fireplace screen. Do not close glass doors unless the wood in fireplace has been certified for use with log lighter with doors closed.
10. When the wood fire is lit, the log lighter valve should be turned off. Failing to do so will cause wood to burn faster than normal.
11. Remove gas valve key and place in a safe location out of each of small children.