

# INSTALLATION AND OPERATION GUIDE FOR Exotic Flames®

## AUTOMATIC IPI IGNITION SYSTEM - FACT SHEET

**NOTE:** READ INSTRUCTIONS FULLY BEFORE INSTALLING OR OPERATING.  
**INSTALLERS, LEAVE THESE INSTRUCTIONS WITH THE CONSUMER!**

If this product is used indoors, it must be used only in an application where the fireplace is a fully vented, non-combustible fireplace with the dampers completely open and the chimney free of any obstructions or restrictions. The fireplace must be designed and approved to burn wood. The minimum permanent, free opening in the fireplace chimney must be 8 inches in diameter (50 sq. inches) or greater.

**WARNING: IF THE INFORMATION IN THIS DOCUMENT IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.**

**NOTE:** THIS PRODUCT MUST BE INSTALLED BY PERSONNEL QUALIFIED TO INSTALL GAS APPLIANCES, IF REQUIRED BY YOUR LOCAL CODES. EXOTIC FLAMES BEARS NO RESPONSIBILITY FOR YOUR ACTIONS.

### Auto-Ignition IPI Basics

*Image shown may vary slightly from actual product*

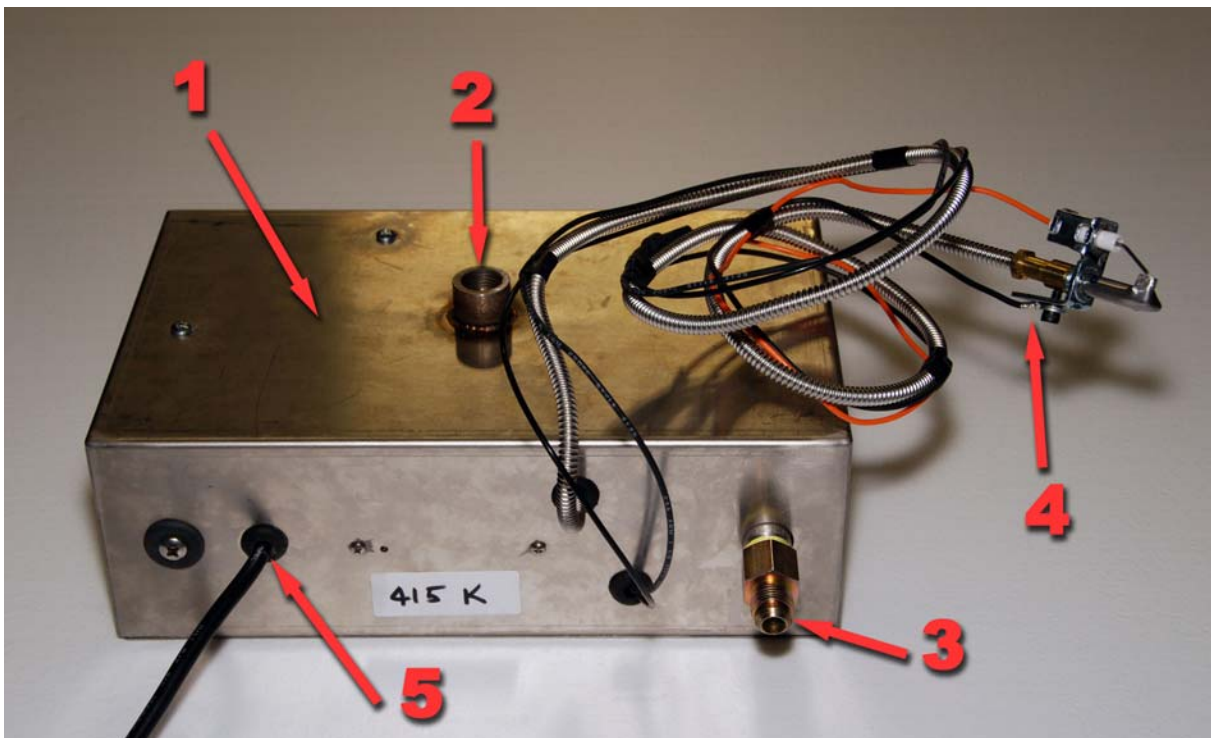


Fig. 1

*(Please refer to Fig. 1)*

1. Stainless Steel box dimensions are approximately 13"x8"x4.5". Box should be located far enough from heat source to prevent failure from thermal overload. **Keep all ignition system components away from moisture!**
2. Gas output fitting. If Propane gas is used, an air mixer/venturi fitting will be included which will be mounted in-line to mix air with the gas before it enters the burner.
3. Gas input fitting. Gas supply is to be connected here. In the case of Propane gas, the Propane needs to be regulated to a low pressure gas before connecting to this fitting. Be sure to check with your local codes on the propane gas pressure used in your area. Natural gas should be 5 to 7 inches water column and Propane should be 7 to 14 inches water column.
4. Thermocouple/pilot/sparker leads. These leads should be handled gently, avoiding sharp bends. These leads cannot be exposed to direct flame.
5. This cord should be plugged into a 110V AC circuit. The circuit should be controlled with a switch. When the AC circuit is live, the ignition system will light its own pilot. Once the pilot is lit, the ignition system will release gas to the burner.

## **Other Guidelines on How to Use the Ignition System**

- ❖ It is best to house the ignition system in a utility box (or cabinet) built into a wall or the side of a fire pit. The thermocouple leads and gas line can be routed to the burner. Please try to keep unit accessible for maintenance or inspection.
- ❖ A simple gas valve should be located in-line before the gas enters the ignition box. This valve is also used as a main shut off for the appliance. A second valve (trimming valve) should be installed between the outlet side of the ignition box and the burner. This valve will provide flame height adjustment as the ignition system only provides on/off control.
- ❖ Only the "tips" of the pilot leads (beyond the bracket that holds the pilot/sparker) should be exposed above the substrate (glass, lava rock, sand, etc.) The leads themselves should be completely buried under the substrate to protect them from open flame.
- ❖ The "tips" of the pilot system should be located directly adjacent to the burner pipe of the burner you want to light. In the case of a double or triple ring burner, the pilot should be located over a burner hole in the outer-most ring, next to a feed tube (cross member pipe).
- ❖ Please specify if you desire the pilot leads to be shorter than 54" out of the box. The ignition system will come with leads of this length unless you specify otherwise. 54 Inches is the maximum length.
- ❖ Any other questions? Please send email to [sales@exoticflames.com](mailto:sales@exoticflames.com).