

## Duluth Forge DLS-30T-2

# Duluth Forge DLS-30T-2 Dual Fuel Ventless Fireplace Logs Set Instruction Manual

Model: DLS-30T-2

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Duluth Forge DLS-30T-2 Dual Fuel Ventless Fireplace Logs Set. Please read all instructions carefully before installation and use. Retain this manual for future reference.

## 2. SAFETY INFORMATION

**WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.**

- **Indoor Use Only:** This appliance is designed for indoor use exclusively.
- **Ventless Operation:** This unit is ventless and does not require an outside duct or chimney. Ensure adequate ventilation as specified by local codes.
- **Oxygen Depletion Sensor (ODS):** Equipped with a Safety Pilot O.D.S. that automatically shuts down the unit if carbon monoxide or lack of oxygen is detected. Do not tamper with or bypass this safety feature.
- **Gas Type:** This unit operates on either Natural Gas or Liquid Propane. Ensure the correct gas type is used and connections are secure.
- **Minimum Firebox Size:** Must be installed in a masonry or agency-approved firebox with minimum dimensions of 20 inches H x 28 inches W in front (23 inches W at rear) x 15 inches D.
- **Professional Installation Recommended:** While installation can be straightforward, it is highly recommended to seek expert help for gas line connections to ensure safety and compliance with local regulations.

## 3. PRODUCT FEATURES

- **Dual Fuel Technology:** Operates on Natural Gas or Liquid Propane.
- **High Efficiency:** 33,000 BTU output, 99.9% efficient, heating up to 1100 square feet.

- **Realistic Logs:** 8 hand-painted ceramic fiber logs with a stacked red oak appearance.
- **Thermostat Control:** Automatically cycles the burner to maintain desired room temperature.
- **Ember Bed:** U-burner chassis design provides a glowing ember bed for a realistic fire effect.
- **Safety Features:** Includes Oxygen Depletion Sensor (ODS) and Battery-assisted Piezo ignition.

## 4. COMPONENTS INCLUDED

The following components are included with your Duluth Forge DLS-30T-2 Fireplace Logs Set:

- U-Burner Chassis (Qty. 1)
- Hand Painted Ceramic Logs (Qty. 8)
- Bag of Embers (Qty. 1)
- 1 AAA Battery (for Piezo ignition)
- Hardware Pack (Qty. 1)

## INCLUDES EVERYTHING YOU NEED!



Gas Burner



Logs and Embers



Thermostat Control



Oxygen Depletion Sensor



Hardware Pack

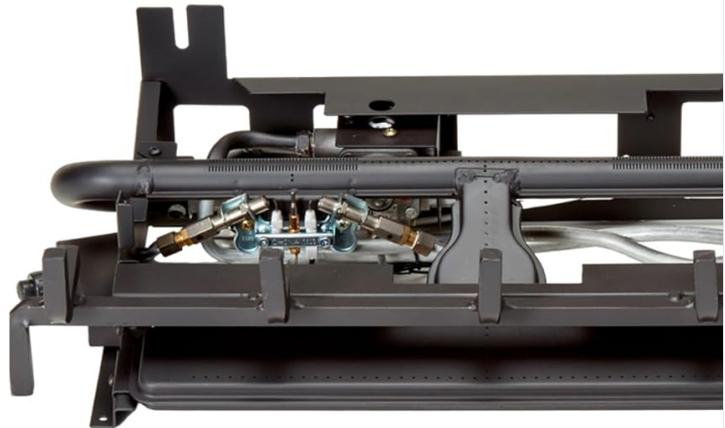


Figure 1: All components included with the Duluth Forge DLS-30T-2 Fireplace Logs Set.

## 5. SETUP AND INSTALLATION

Follow these steps for proper setup and installation:

1. **Prepare Firebox:** Ensure your firebox meets the minimum size requirements: 20 inches H x 28 inches W in front (23 inches W at rear) x 15 inches D.
2. **Gas Line Connection:** Connect the gas line to the U-burner chassis. The gas line typically enters from

the bottom or side. Professional assistance is recommended for this step.

3. **Place Chassis:** Position the U-burner chassis within the firebox.
4. **Arrange Logs:** Carefully arrange the 8 hand-painted ceramic logs on the grate. Refer to the log placement diagram (if provided with packaging) for optimal flame appearance and heat distribution. Ensure the logs do not obstruct the pilot light or burner ports. The logs are designed to fit together like a puzzle.
5. **Add Embers:** Distribute the bag of glowing ember material around the base of the logs and over the burner for a realistic glowing effect.
6. **Install Battery:** Insert the included AAA battery into the Piezo ignition system.

## MEASUREMENTS



**Minimum Firebox Required:**  
20"H x 34"W front (23"W rear) x 15"D

**Figure 2:** Dimensions of the Duluth Forge DLS-30T-2 Fireplace Logs Set.



**Figure 3:** The U-burner chassis, the base for the gas logs.

# NATURAL APPEARANCE

Long-lasting hand-painted logs and glowing embers provide a realistic look in your fireplace



8 Hand-Painted Logs



Bag of Embers



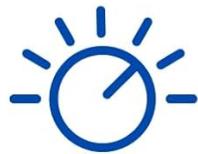
Figure 4: Detailed view of the realistic hand-painted ceramic logs and ember bed.

## 6. OPERATING INSTRUCTIONS

To operate your Duluth Forge DLS-30T-2 Fireplace Logs Set:

1. **Ignition:** Use the battery-assisted Piezo ignition to light the pilot. Follow the specific ignition sequence detailed on the appliance or in the full product manual.
2. **Thermostat Control:** Once the pilot is lit, use the thermostat control knob to select your desired heat setting. The unit will automatically cycle on and off to maintain the set temperature. There are 5 thermostatic heat settings.
3. **Shut-off:** To turn off the unit, rotate the thermostat control knob to the 'OFF' position.

# THERMOSTAT CONTROLS



5 Thermostatic  
Heat Settings



Electronic Piezo  
Ignition - Requires 1  
AAA Battery-Included!

Figure 5: Thermostat controls and Piezo ignition button.

Your browser does not support the video tag.

**Video 1:** A product overview video from Factory Buys Direct, demonstrating the Duluth Forge gas logs in operation, showing the flames and realistic appearance.

Your browser does not support the video tag.

**Video 2:** A video from Factory Buys Direct showcasing the Duluth Forge Ventless Gas Logs, Stacked 2022 model, highlighting the flame patterns and log arrangement.

## 7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your fireplace logs set:

- **Cleaning:** Periodically inspect and clean the logs and burner area to remove any dust or debris. Ensure the unit is completely cool before cleaning.
- **Log Inspection:** Check ceramic logs for any cracks or damage. Replace damaged logs to maintain proper flame distribution and appearance.
- **Pilot Light:** Ensure the pilot light is clean and operating correctly. A weak or flickering pilot may indicate

a need for cleaning or service.

- **Gas Connections:** Annually inspect all gas connections for leaks using a soap solution.

## 8. TROUBLESHOOTING

If you encounter issues with your fireplace logs set, consider the following:

- **Unit Shuts Off Prematurely:** If the unit cycles off too soon, ensure the copper thermostat sensor is not too close to the flames. It may need to be adjusted or moved slightly away from direct flame contact. Refer to the full product manual for specific sensor placement guidelines.
- **Difficulty Starting:** Check the AAA battery in the Piezo ignition. Ensure gas supply is open and the pilot light is clean.
- **No Flame Adjustment:** This model typically has a fixed flame height. Flame intensity is generally not adjustable beyond the thermostat settings.

For persistent issues, consult a qualified service technician.

## 9. SPECIFICATIONS

Feature	Specification
Model Number	DLS-30T-2 (Item model number: 210076)
Brand	Duluth Forge
BTU Output	33,000 BTU (Maximum)
Heating Area	Up to 1100 sq. ft.
Fuel Type	Natural Gas or Liquid Propane (Dual Fuel)
Log Material	Ceramic Fiber
Log Appearance	Stacked Red Oak (Hand Painted)
Product Dimensions	15 x 30 x 20 inches (Depth x Width x Height)
Item Weight	21 pounds
Ignition Type	Battery-assisted Piezo
Safety Features	Oxygen Depletion Sensor (ODS)
Certifications	PFS Approved, ANSI Certified System

## 10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product packaging or contact Duluth Forge customer service directly. Specific warranty details are not provided in this manual.

