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Duluth Forge DLS-18R-2

Duluth Forge DLS-18R-2 18-Inch Dual Fuel Ventless Fireplace Logs Set User Manual

Model: DLS-18R-2 | Brand: Duluth Forge

1. IMPORTANT SAFETY INFORMATION

Please read and understand all instructions and safety warnings before installing or operating this appliance. Failure to follow these instructions may result in property damage, personal injury, or death.

- This appliance is designed for **indoor use only**.
- Installation must be performed in a **masonry or agency-approved firebox**.
- A **minimum firebox size** of 20 inches (H) x 29 inches (W) in front (22 inches W at rear) x 13 inches (D) is required.
- The integrated **Oxygen Depletion Sensor (O.D.S.)** automatically shuts off the unit if carbon monoxide levels are unsafe or oxygen levels are too low.
- This is a **ventless appliance**; no outside duct or chimney is needed for operation.
- Ensure proper ventilation as specified in the full installation guide to prevent oxygen depletion.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 Warning).

2. PRODUCT OVERVIEW

The Duluth Forge DLS-18R-2 is an 18-inch dual fuel ventless fireplace log set designed to provide efficient heating and a realistic flame appearance. It operates on either natural gas or liquid propane and features a convenient remote control for temperature management.



Image 2.1: The Duluth Forge DLS-18R-2 18-inch Dual Fuel Ventless Fireplace Logs Set, showcasing the realistic stacked red oak logs and active flames.

Key Features:

- **Dual Fuel Technology:** Operates with Natural Gas or Liquid Propane.
- **Heat Output:** 30,000 BTU, capable of heating up to 1,100 sq. ft.
- **Realistic Design:** Features 7 hand-painted, detailed logs made from superior refractory ceramics, cast from real wood.
- **U-Burner Chassis:** Provides two rows of flames for a more realistic fire effect.
- **Remote Control:** Thermostatic remote control allows setting desired temperature and controlling on/off functions.
- **High Efficiency:** 99.9% efficient, providing economical heating.
- **Safety:** Equipped with a Safety Pilot O.D.S. (Oxygen Depletion Sensor) and Battery Assisted Piezo ignition.

3. SETUP AND INSTALLATION

Installation of the Duluth Forge DLS-18R-2 log set requires careful attention to detail and adherence to all local codes and regulations. It is recommended that installation be performed by a qualified professional.

3.1 Unpacking and Inspection

1. The product ships in two boxes. Carefully unpack all components and inspect for any shipping damage.

2. Verify all parts are present according to the packing list. Contact customer support immediately if any parts are missing or damaged.

3.2 Firebox Requirements

Ensure your firebox meets the minimum dimensions:

- **Height:** 20 inches
- **Width (front):** 29 inches
- **Width (rear):** 22 inches
- **Depth:** 13 inches



Image 3.1: Dimensional diagram of the log set, indicating height, length, and depth, along with minimum firebox size requirements.

3.3 Gas Connection

- This unit is designed for use with either Natural Gas or Liquid Propane. Ensure the correct fuel type is used and the appliance is properly converted if necessary (refer to the detailed installation manual for conversion instructions).
- All gas connections must be leak-tested before operation.

3.4 Log Placement

Carefully place the hand-painted ceramic logs onto the burner chassis according to the specific log

placement diagram provided in the full installation manual. Incorrect log placement can affect flame appearance and safety.



Image 3.2: A close-up view of the stacked red oak logs, highlighting their realistic texture and charring details.

4. OPERATING INSTRUCTIONS

This section outlines the basic steps for operating your Duluth Forge DLS-18R-2 fireplace log set.

4.1 Initial Startup and Piezo Ignition

1. Ensure the gas supply to the unit is open.
2. Press and hold the control knob while rotating it to the PILOT position.
3. Press the Piezo igniter button repeatedly until the pilot flame ignites. Hold the control knob for 20-30 seconds after ignition to allow the thermocouple to heat up.
4. Release the control knob. If the pilot light extinguishes, repeat steps 2-3.
5. Once the pilot is lit, rotate the control knob to the ON position to ignite the main burner.

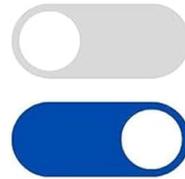
4.2 Remote Control Operation

The included thermostatic remote control allows for convenient operation of your log set.

CONVENIENT REMOTE CONTROL



Included remote control makes it easy to control the environment from anywhere in the room!



Turn on and off



Temperature Control

Image 4.1: The remote control for the Duluth Forge DLS-18R-2, featuring an LCD display and buttons for power and temperature adjustment.

- The remote control requires 4 AA batteries and the receiver unit requires 2 AAA batteries (all included). The Piezo ignition requires 1 AAA battery (included).
- The LCD screen displays the current room temperature (in °F or °C), burner on/off indication, and thermostat or manual mode indication.
- Use the ON/OFF buttons to turn the main burner on or off.
- In Thermostat Mode, set your desired temperature. The unit will cycle on and off to maintain this temperature.
- Refer to the separate remote control manual for detailed programming and troubleshooting.

5. MAINTENANCE

Regular maintenance ensures the safe and efficient operation of your fireplace log set.

- **Annual Inspection:** It is recommended to have the appliance inspected annually by a qualified service technician.
- **Cleaning:** Keep the burner and pilot assembly free of dust and debris. Use a soft brush or vacuum cleaner to gently clean the logs and burner area when the unit is cool.

- **Log Condition:** Periodically inspect the ceramic logs for cracks or damage. Replace any damaged logs to maintain proper flame patterns and safety.
- **Battery Replacement:** Replace batteries in the remote control and receiver unit as needed to ensure reliable operation.

6. TROUBLESHOOTING

If you experience issues with your Duluth Forge DLS-18R-2 log set, consult the following basic troubleshooting guide. For complex issues, contact a qualified service technician.

Problem	Possible Cause	Solution
Pilot light will not stay lit	Thermocouple not heating sufficiently; Gas supply issue; Pilot orifice clogged.	Hold control knob longer after ignition; Check gas supply valve; Clean pilot assembly.
Main burner does not ignite	Pilot light not lit; Control knob not in ON position; Gas supply issue.	Ensure pilot is lit; Rotate control knob to ON; Check gas supply.
Remote control not working	Dead batteries; Receiver unit not powered; Interference.	Replace batteries in remote and receiver; Check receiver power; Reposition receiver.
Unit shuts off unexpectedly	Oxygen Depletion Sensor (O.D.S.) activated; Pilot light extinguished.	Ensure adequate ventilation; Relight pilot. If O.D.S. repeatedly activates, seek professional inspection.

7. SPECIFICATIONS

- **Model:** DLS-18R-2
- **Brand:** Duluth Forge
- **Product Dimensions:** 13"D x 20"W x 29"H (Overall unit, approximate)
- **Log Size:** 18 Inches
- **Heat Output:** 30,000 British Thermal Units (BTU)
- **Heating Coverage:** Up to 1,100 sq ft
- **Fuel Type:** Dual Fuel (Natural Gas or Liquid Propane)
- **Ignition Type:** Battery Assisted Piezo
- **Special Features:** Oxygen Depletion Sensor (O.D.S.), Thermostatic Remote Control
- **Material:** Red Oak (ceramic logs), Powder-coated steel chassis
- **Included Components:** Gas Burner, Hand-Painted Logs, Remote Control, Oxygen Depletion Sensor, Hardware Pack, Batteries (4 AA, 3 AAA)
- **Item Weight:** 13.95 Pounds
- **UPC:** 815192020282
- **Manufacturer:** Factory Buys Direct

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This Duluth Forge product comes with a **Limited Warranty**. Please refer to the warranty card included with your product packaging for specific terms, conditions, and duration of coverage. Retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, replacement parts, or warranty inquiries, please contact the manufacturer, Factory Buys Direct. Contact information can typically be found in the product packaging or on the Duluth Forge official website. When contacting support, please have your model number (DLS-18R-2) and proof of purchase readily available.