

## 1HVAC UDXC-75

# Reznor UDXC-75 Natural Gas Unit Heater

## INSTRUCTION MANUAL

### 1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Reznor UDXC-75 Natural Gas Unit Heater. This unit is designed for indoor use in various commercial, industrial, or residential spaces such as garages, workshops, and warehouses. Please read all instructions thoroughly before attempting to install or operate the heater.

### 2. Important Safety Information

Failure to follow these safety instructions could result in property damage, personal injury, or death. Always adhere to local codes and regulations.

- **Professional Installation Required:** Installation, adjustment, alteration, service, or maintenance must be performed by a qualified installer, service agency, or gas supplier.
- **Gas Safety:** If you smell gas, immediately shut off the gas supply to the appliance, extinguish any open flame, and open windows and doors. Do not touch electrical switches or use any phone in the building. Contact your gas supplier or fire department.
- **Ventilation:** Ensure proper ventilation as specified in the installation instructions. Improper venting can lead to carbon monoxide poisoning.
- **Clearances:** Maintain specified clearances from combustible materials. Refer to the installation diagrams for exact distances.
- **Electrical Connection:** All electrical wiring must comply with national and local electrical codes. Disconnect power before servicing.
- **Flammable Materials:** Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

### 3. Product Overview

The Reznor UDXC-75 is a high-efficiency natural gas-fired unit heater designed for reliable heating performance. It features a durable construction and advanced components for extended service life.



Image 3.1: Front view of the Reznor UDXC-75 Natural Gas Unit Heater, showing the white casing and black louvered air outlet.

### Key Features:

- **Natural Gas Operation:** Designed specifically for natural gas fuel.
- **High Performance:** 75,000 BTU heat output with an 83% thermal efficiency rating.
- **Durable Construction:** Features a TCORE2 titanium-stabilized aluminized steel heat exchanger.
- **Advanced Ignition:** Patented single-burner combustion with multi-try direct spark and time lockout.
- **Integrated Controls:** Circuit board with display, built-in disconnect, and status-indicating LED for intuitive monitoring.
- **Flexible Air Distribution:** Options for downturn nozzle and vertical louvers.
- **Mounting Versatility:** Threaded-nut retainers at four suspension points for ceiling or wall mounting (mounting hardware sold separately).
- **Easy Connection:** External gas access for simplified installation.
- **ETL Approved:** Ensures quality and safety standards are met.

## 4. Technical Specifications

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| Specification        | Value                              |
|----------------------|------------------------------------|
| Brand                | 1HVAC (Reznor)                     |
| Model Number         | UDXC-75                            |
| Heat Output          | 75,000 British Thermal Units (BTU) |
| Fuel Type            | Natural Gas                        |
| Thermal Efficiency   | 83%                                |
| Indoor/Outdoor Usage | Indoor                             |

| Specification                  | Value  |
|--------------------------------|--|
| Product Dimensions (D x W x H) | 31.91" x 27" x 16.75"                                  |
| Mounting Type                  | Ceiling Mount / Wall Mount (with appropriate brackets) |
| Burner Type                    | Radiant  |



Image 4.1: Diagram illustrating the dimensions of the Reznor UDXC-75 unit heater, showing its depth, width, and height.

## 5. Setup and Installation

Installation of the Reznor UDXC-75 heater requires adherence to all national and local codes, as well as the specific instructions provided in the full installation guide (not included here). It is strongly recommended that installation be performed by a qualified professional.

### 5.1 Mounting

The UDXC-75 is designed for ceiling or wall mounting. It features threaded-nut retainers at four suspension points. Appropriate mounting brackets (sold separately) are required to secure the unit safely. Ensure the mounting structure can support the weight of the heater and any associated components.

### 5.2 Venting

Proper venting is critical for safe operation. The unit is compatible with:

- **Category 1 Double Wall B-Vent:** For vertical venting applications, typically through a roof.
- **Category 3 Single Wall Vent Pipe:** For horizontal venting applications, typically through a sidewall.

Consult the full installation manual for detailed venting requirements and diagrams.

### 5.3 Gas Connection

Connect the natural gas supply to the heater's external gas access point. All gas connections must be leak-tested by a qualified professional according to local codes. Ensure the gas pressure is within the specified range for the UDXC-75 model.



Image 5.1: The Reznor UDXC-75 heater installed in a workshop environment, showcasing its compact design and suitability for such spaces.

## 6. Operating Instructions

Once properly installed and connected, the Reznor UDXC-75 heater can be operated via its integrated circuit board. The unit features a 7-segment display and status-indicating LED for monitoring its operational status.

### 6.1 Initial Startup

1. Ensure all gas and electrical connections are secure and verified by a professional.
2. Turn on the main electrical power supply to the unit.
3. Open the manual gas shut-off valve to the heater.
4. Set the thermostat (if connected) to a desired temperature above the ambient room temperature.
5. The unit will initiate its ignition sequence. The LED will indicate the status.

## 6.2 Normal Operation

The heater will cycle on and off as needed to maintain the set temperature. The integrated circuit board continuously monitors the unit's performance and safety parameters. Refer to the full user manual for detailed explanations of LED codes and display messages.

## 7. Maintenance

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Regular maintenance ensures the longevity and efficient operation of your Reznor UDXC-75 heater. All maintenance procedures should be performed by a qualified service technician.

- **Annual Inspection:** Have the heater inspected annually by a qualified technician. This includes checking the heat exchanger, burner, ignition system, and venting.
- **Cleaning:** Keep the area around the heater clear of dust and debris. Ensure the air intake and outlet grilles are unobstructed.
- **Venting System Check:** Periodically inspect the vent pipe for any signs of corrosion, blockages, or disconnections.
- **Electrical Connections:** Verify that all electrical connections are tight and free from corrosion.

## 8. Troubleshooting

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The integrated circuit board with its display and LED provides diagnostic information to assist in troubleshooting. Consult the full installation and service manual for a comprehensive troubleshooting guide and error code explanations.

### Common Issues:

- **No Heat:** Check power supply, gas supply, thermostat setting, and any error codes displayed on the unit.
- **Intermittent Operation:** Could indicate issues with the thermostat, flame sensor, or pressure switch. Refer to diagnostic codes.
- **Unusual Noises:** May indicate issues with the fan motor or other internal components. Discontinue use and contact a service professional.

Always disconnect power to the unit before attempting any inspection or troubleshooting.

## 9. Warranty Information

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For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the manufacturer directly. Warranty coverage typically applies to defects in materials and workmanship under normal use and service.

## 10. Customer Support

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If you require technical assistance, service, or have questions regarding your Reznor UDXC-75 heater, please contact your authorized dealer or the manufacturer's customer support. Ensure you have your

model number (UDXC-75) and serial number available when contacting support.

For more information, you may visit the 1HVAC Store:[1HVAC Store on Amazon](#)