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› [Reznor](#) /

› [Reznor UDXC-30 30,000 BTU Natural Gas Unit Heater Instruction Manual](#)

## Reznor UDXC-30

# Reznor UDXC-30 30,000 BTU 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-30 Natural Gas Unit Heater. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.



Image 1: Front view of the Reznor UDXC-30 Natural Gas Unit Heater.

## 2. IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions could result in property damage, personal injury, or death. Installation and service must be performed by a qualified installer, service agency, or gas supplier.

- Read all instructions before using this heater.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- What to do if you smell gas:
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Proper ventilation is required. Ensure adequate combustion and ventilation air supply.
- Keep the area around the heater clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Do not obstruct the flow of combustion and ventilation air to the heater.

### **3. PRODUCT FEATURES**

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The Reznor UDXC-30 unit heater is designed for efficient heating in various indoor environments, including garages, workshops, and commercial spaces. Key features include:

- **Heat Output:** 30,000 British Thermal Units (BTU).
- **Thermal Efficiency:** Achieves an 82% thermal efficiency rating.
- **Heat Exchanger:** Features a TCORE2 titanium-stabilized aluminized steel heat exchanger for durability.
- **Ignition:** Patented single-burner combustion with multi-try direct spark ignition and time lockout.
- **Control System:** Integrated circuit board with a 7-segment display for status indication and troubleshooting.
- **Fan:** Low static propeller fan for quiet forced air operation.
- **Mounting:** Threaded-nut retainers at four suspension points for ceiling or wall mounting (mounting hardware sold separately).
- **Ventilation:** Compatible with Category 1 double wall B-vent for vertical venting or Category 3 single wall vent pipe for horizontal sidewall venting.
- **Accessibility:** Hinged access door panel with a quarter-turn latch and external gas connection for ease of maintenance and installation.
- **Safety:** Built-in enhanced disconnect switch and ETL Approved.



## Reznor Model UDXC-30 Unit Heater

### Standard Features:

- ⚡ 82% AFUE Efficiency
- 🛡 Multi-Try Direct Spark Ignition with Time Lockout
- \_HEAP TCORE2 Titanium-Stabilized Aluminized Steel Heat Exchanger
- 🔊 Low Noise Operation with Vibration-Isolated Fan and Venter Motors

Image 2: Diagram highlighting standard features such as 82% AFUE efficiency and TCORE2 heat exchanger.

## Standard Features:

-  Status-Indicating LED Light
-  7-Segment Display Board for Simple Troubleshooting
-  2- and 4-Point Suspension Options
-  External Gas Connection for Ease of Maintenance and Installation
-  ETL Approved



Image 3: Diagram highlighting additional standard features including status-indicating LED and suspension options.

## 4. INSTALLATION GUIDELINES

Proper installation is critical for the safe and efficient operation of your Reznor UDXC-30 heater. This unit is designed for indoor use only. Consult local codes and a qualified professional for installation.

### 4.1 Mounting

- The unit can be ceiling-mounted or wall-mounted using the four threaded-nut suspension points. Mounting brackets and hardware are sold separately.
- Ensure the mounting structure can safely support the weight of the heater.
- Maintain required clearances from combustible materials as specified in the installation instructions provided with the unit.

### 4.2 Venting

- For vertical venting through a roof, use Category 1 double wall B-vent.
- For horizontal venting through a sidewall, use Category 3 single wall vent pipe.
- All venting must comply with local building codes and manufacturer specifications.

## Compact & Durable Heating

- Ideal for smaller residential garages, workshops, and workspaces
- Suitable for ceiling or wall mounting with multiple venting options
- Built with corrosion-resistant materials for enhanced durability
- Advanced fan design ensures quiet and efficient heating



All UDXC Sizes are Certified for Commercial / Industrial Use, 30k-120k BTU Units Also Approved for Residential Garages & Workshops

Image 4: An installed Reznor UDXC-30 unit heater in a garage setting, demonstrating ceiling mounting and venting.

## 5. OPERATING INSTRUCTIONS

The Reznor UDXC-30 heater features an integrated circuit board with a display and status-indicating LED for user feedback and control.

### 5.1 Initial Startup

- Ensure all gas and electrical connections are secure and properly installed.
- Turn on the gas supply to the unit.
- Turn on the electrical power to the unit.
- Set your thermostat to the desired temperature. The unit will initiate its ignition sequence.

### 5.2 Normal Operation

The heater will cycle on and off as needed to maintain the set temperature. The integrated circuit board and LED will provide status updates. Refer to the detailed operational guide included with your unit for specific sequences and error codes.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Reznor UDXC-30 heater. Always disconnect power and gas supply before performing any maintenance.

- **Annual Inspection:** Have a qualified service technician inspect the unit annually, including the heat exchanger, burner, ignition system, and venting.
- **Cleaning:** Keep the area around the heater clean and free of dust and debris. Periodically clean the fan blades and motor to ensure proper airflow.
- **Venting System:** Inspect the vent pipe for any obstructions, leaks, or corrosion.
- **Gas Connections:** Check gas connections for leaks using a soap solution (never an open flame).

## More than Unit Heaters

Reznor unit heaters are second to none, but that's not all we're focused on. Reznor offers a complete line of HVAC solutions to meet all your heating, cooling, makeup air and dehumidification needs.



## Product Condition:

### WELL-KEPT WAREHOUSE:

1HVAC warehouse is not just a storage space; it's a controlled environment where products are handled with precision and care. Regular maintenance routines ensure the cleanliness and orderliness of the facility.

### EXPERT PACKAGING:

1HVAC takes pride in our packaging process, employing industry best practices to safeguard your units during transit. From selecting the right materials to meticulous packing techniques, our team ensures that your order arrives in perfect condition.

Image 5: Rear view of the Reznor UDXC-30 unit heater, showing the fan and external connections, relevant for maintenance checks.

## 7. TROUBLESHOOTING

The integrated circuit board with its 7-segment display and status-indicating LED provides diagnostic information. Refer to the specific error codes and troubleshooting steps outlined in the comprehensive installation and operation manual provided with your unit.

- **No Heat:** Check power supply, gas supply, and thermostat settings. Consult the display for error codes.
- **Intermittent Operation:** Could indicate a sensor issue or a safety lockout. Note any displayed codes.

- **Unusual Noises:** Investigate for obstructions in the fan or loose components.

For persistent issues, contact a qualified service technician.

## 8. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	UDXC-30
Heat Output	30,000 BTU
Thermal Efficiency	82%
Fuel Type	Natural Gas
Indoor/Outdoor Usage	Indoor
Product Dimensions (D x W x H)	29.75" x 27" x 13.75"
Mounting Type	Ceiling Mount / Wall Mount (with separate hardware)
Number of Speeds	2
Burner Type	Radiant

# 30,000 BTU



Image 6: Diagram illustrating the dimensions of the Reznor UDXC-30 unit heater.

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact the seller directly. For technical support or service inquiries, please reach out to the authorized Reznor service provider or the retailer from whom the unit was purchased.