

Honeywell HE280D2001/U

Honeywell Home HE280D2001/U Whole Home Humidifier and Humidistat User Manual

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Honeywell Home HE280D2001/U Whole Home Humidifier and Humidistat. This system is designed to integrate with your forced-air furnace to distribute moisture throughout your home, helping to maintain optimal humidity levels.

Proper humidity control can help protect wood furnishings and flooring from drying and cracking, and can reduce static electricity. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

WARNING: Electrical Shock Hazard

- Disconnect power to the furnace and humidifier before performing any installation or maintenance.
- All wiring must comply with local electrical codes and ordinances.
- Installation should be performed by a qualified HVAC technician or electrician.

CAUTION: Water Damage Hazard

- Ensure proper drainage is established to prevent water leaks.
- Verify all water connections are secure and leak-free before restoring water supply.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- Honeywell Home HE280D2001/U Whole Home Humidifier Unit
- Digital Humidistat (HumidiPRO)
- Mounting Hardware (screws, clips)

- User Guide (this document)

Note:

Additional components such as water supply lines, drain lines, and electrical wiring are typically required for installation and are not included with this package. Please consult your installer for a complete list of necessary auxiliary parts.

4. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Honeywell
Model Number	HE280D2001/U
Color	White/Red
Material	Plastic
Item Weight	12.47 pounds (5.67 Kilograms)
Product Dimensions	18.5 x 9.75 x 16.25 inches
Coverage Area	Ideal for homes: 2,000-4,000 sq. ft.
UPC	194159013834
Batteries Required	No

5. INSTALLATION GUIDE

The Honeywell Home HE280D2001/U Humidifier is designed for installation on the warm air supply or return air duct of forced-air furnaces. Professional installation is recommended to ensure proper function and compliance with local codes.

5.1 Pre-Installation Requirements

- **Access to Air Ducts:** Ensure full and unobstructed access to the furnace's air ducts for mounting.
- **Floor Drain:** A floor drain must be accessible for the humidifier's drainage system.
- **Water Supply:** A cold water supply line (typically 1/4-inch copper or plastic tubing) is required. This is not included.
- **Electrical Connection:** An 18-gauge thermostat wire for control and power connection is required. This is not included.

5.2 Mounting the Humidifier

The humidifier unit mounts directly onto the furnace ductwork. Follow the detailed instructions provided in the separate installation template for precise cutting and mounting procedures.



Image: The Honeywell Home HE280D2001/U Humidifier unit shown mounted on the side of a furnace's return air duct, connected to a flexible duct for air circulation.

5.3 Water and Drain Connections

1. Connect the water supply line to the humidifier's inlet valve. Ensure a tight, leak-free connection.
2. Route the drain line from the humidifier to the accessible floor drain. Ensure a continuous downward slope to prevent standing water.

5.4 Electrical Wiring

Wire the digital humidistat and humidifier to the furnace control board according to the wiring diagram provided with the humidistat. Ensure all power is disconnected before making electrical connections.



Image: A complete HVAC system installation, showing the Honeywell Home HE280D2001/U Humidifier integrated with a furnace and water heater, demonstrating a typical setup.

6. OPERATING INSTRUCTIONS

Your Honeywell Home HE280D2001/U Humidifier is controlled by a digital humidistat with an outdoor sensor, allowing for automatic humidity regulation.

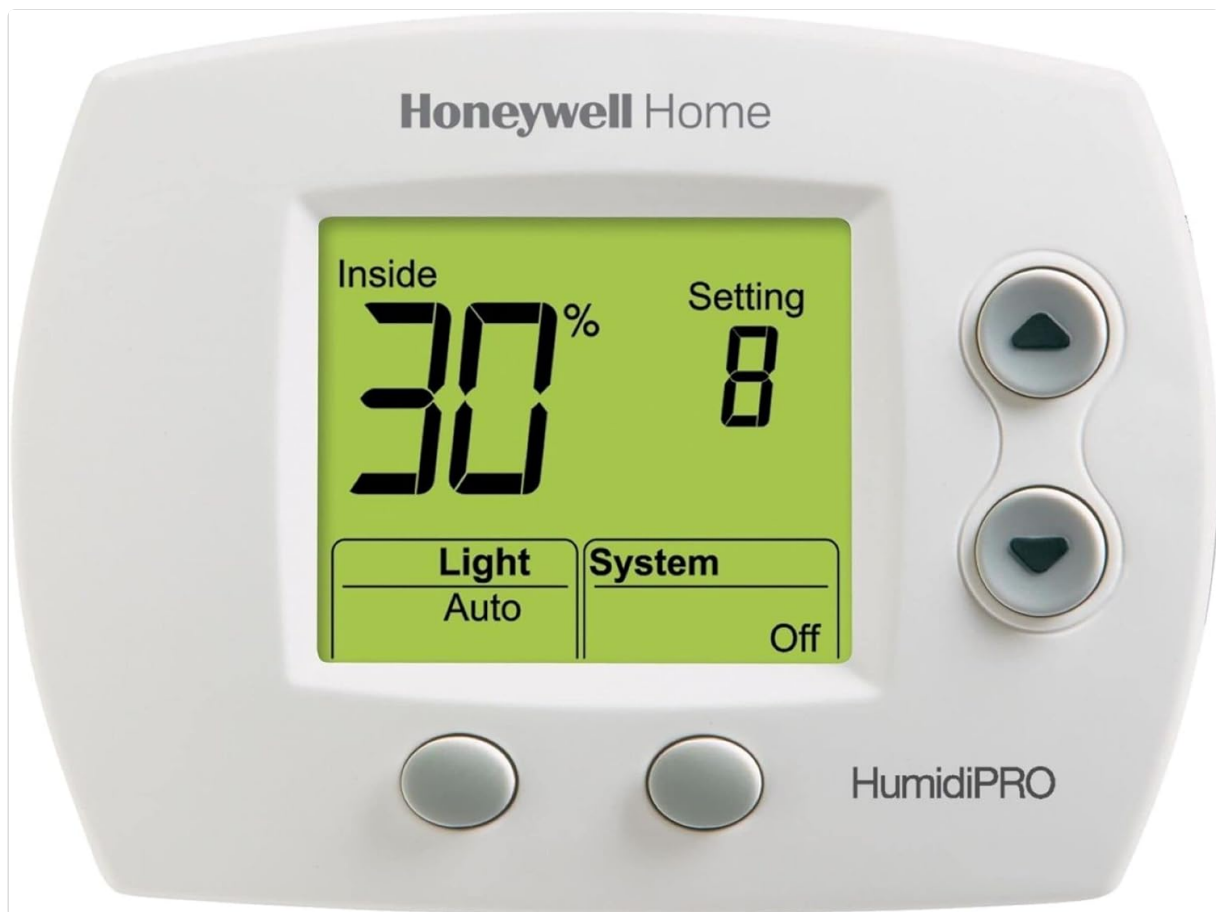


Image: A close-up view of the HumidiPRO digital humidistat, displaying current indoor humidity (30%) and the set humidity level (8), along with control buttons for Light, Auto, System, and Off.

6.1 Setting Desired Humidity

1. Locate the digital humidistat, typically mounted on an interior wall or the return air duct.
2. Use the Up/Down arrow buttons to adjust the desired humidity percentage. The humidistat will display the current indoor humidity and your set point.
3. The outdoor sensor helps the humidistat automatically adjust the indoor humidity set point to prevent condensation on windows during colder outdoor temperatures.

6.2 Automatic Operation

Once the desired humidity level is set, the system will automatically turn the humidifier on and off as needed to maintain that level. The humidifier will only operate when the furnace fan is running and humidity is required.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your humidifier.

7.1 Humidifier Pad Replacement

The humidifier pad (also known as the evaporator pad or water panel) requires seasonal replacement. This is typically done at the beginning of each heating season or every 1-3 months depending on water quality and usage.

1. Disconnect power to the furnace and humidifier.
2. Open the humidifier cover.

3. Remove the old humidifier pad and discard it.
4. Install a new, genuine Honeywell replacement pad, ensuring it is correctly oriented.
5. Close the cover and restore power.



Image: An internal view of the Honeywell Home HE280D2001/U Humidifier, showing the humidifier pad (water panel) housed within the red frame, indicating the component that requires regular replacement.

7.2 General Cleaning

Periodically inspect the humidifier for mineral buildup, especially in areas where water flows. Clean with a mild detergent and water as needed. Ensure all components are dry before reassembly.

8. TROUBLESHOOTING

If your humidifier is not operating as expected, consult the following table before contacting support.

Problem	Possible Cause	Solution
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Humidifier not producing humidity	No power to unit Water supply off Humidistat setting too low Furnace fan not running Clogged humidifier pad Faulty water valve/control board	Check electrical connections and circuit breaker. Ensure water supply valve is open. Increase humidistat setting. Verify furnace fan is operating. Replace humidifier pad. Inspect components for damage; professional service may be required.
Water leakage	Loose water connections Clogged drain line Damaged housing	Tighten all water connections. Clear any obstructions in the drain line. Inspect unit for cracks or damage; replace if necessary.
Humidistat display is off or erratic	No power to humidistat Wiring issue	Check wiring connections to the humidistat and furnace. Consult a qualified technician.

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

The Honeywell Home HE280D2001/U Whole Home Humidifier and Humidistat comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. For full warranty terms and conditions, please refer to the documentation included with your product or visit the official Honeywell Home website.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Honeywell Home customer support. You can typically find contact information on the Honeywell Home website or by referring to the product packaging.

Online Resources: For additional information, FAQs, and support, visit the [Honeywell Home official website](#).