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## Honeywell HZ322K

# Honeywell HZ322K Truezone Kit Instruction Manual

Model: HZ322K | Brand: Honeywell

## 1. INTRODUCTION

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The Honeywell HZ322K Truezone Kit is designed for efficient HVAC zoning in conventional and heat pump applications, supporting up to 3 zones (2 Heat/2 Cool). This kit includes the Honeywell TrueZONE HZ322 Panel, an AT140 Transformer, and a C7735A Discharge Air Temperature Sensor (DATS). This manual provides essential information for the proper installation, operation, and maintenance of your Truezone system.

## 2. KEY FEATURES

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- **Intuitive Installer Setup:** Features an easy-to-follow digital display that guides the installer through a four-step setup process using real language.
- **Robust Push Terminals:** Designed for secure and straightforward wiring connections.
- **3-Zone Capability:** Manages up to three independent HVAC zones.
- **Variable-Speed Fan Control:** Provides enhanced control over fan operation.

## 3. KIT COMPONENTS

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This image displays the primary components of the Honeywell HZ322K Truezone Kit. On the left is the C7735A Discharge Air Temperature Sensor (DATS). In the center is the HZ322 TrueZONE Panel, which serves as the central control unit. To the right is the AT140 Transformer, providing power to the system.

The HZ322K kit includes:

- **Honeywell TrueZONE HZ322 Panel:** The central control unit for managing up to three HVAC zones.
- **AT140 Transformer:** Provides the necessary power supply for the system.
- **C7735A Discharge Air Temperature Sensor (DATS):** Monitors the temperature of the air leaving the HVAC unit.

## 4. SETUP AND INSTALLATION

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Installation of the Honeywell HZ322K Truezone Kit requires careful attention to wiring and configuration. It is recommended that installation be performed by individuals familiar with HVAC systems and electrical wiring.



A detailed view of the Honeywell HZ322 TrueZONE Panel, highlighting its digital display and user interface. The display provides real-language guidance for setup and diagnostics, while the buttons allow for navigation and configuration of the zoning system.

## 4.1 Wiring

- **Power Off:** Always ensure power to the HVAC system is disconnected before beginning any wiring.
- **Labeling:** Before disconnecting any existing wiring, take clear photographs and label all wires to ensure correct re-connection.
- **Connections:** Utilize the robust push terminals on the HZ322 Panel for secure wire connections. Each connector typically has separate holes for two wires, if needed.
- **Damper Compatibility:** *Important:* This unit is designed for power closed/spring open dampers. It is not compatible with power open/closed dampers, as continuous 24VDC to the damper open side can damage damper motors. Verify your damper type before installation.
- **Component Integration:** Connect the HZ322 Panel to your HVAC equipment, thermostats for each zone, and the respective dampers. The AT140 Transformer provides 24V power, and the C7735A DATS connects to the panel to monitor discharge air temperature.



The image shows the Honeywell Home logo, with "Honeywell" in red and "Home" in a lighter red font.

This image illustrates the internal layout or a wiring diagram of the Honeywell HZ322 TrueZONE Panel. It shows the various terminal connections for equipment, thermostats, and dampers, emphasizing the robust push terminals designed for easy and secure wiring.

## 4.2 Initial Programming and Checkout

- **Digital Display Guidance:** The HZ322 Panel features a digital display that provides step-by-step instructions for initial setup and programming. Follow the on-screen prompts carefully.
- **Built-in Test Program:** Utilize the system's built-in test program to verify that all zones, dampers, and HVAC equipment are functioning correctly after installation.

## 5. OPERATION

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Once installed and configured, the Honeywell HZ322K Truezone Kit operates automatically to manage temperature across your designated zones. Each zone's thermostat will communicate with the HZ322 Panel, which then controls the HVAC equipment and dampers to maintain desired temperatures. Refer to your specific thermostat's manual for detailed operation instructions for each zone.

## 6. MAINTENANCE

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The Honeywell HZ322K Truezone Kit is designed for reliable, long-term operation with minimal maintenance. However, periodic checks can help ensure optimal performance:

- **Visual Inspection:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Cleanliness:** Keep the HZ322 Panel and DATS sensor free from dust and debris to prevent interference with their operation.
- **System Checks:** Occasionally run the built-in test program to confirm all components are functioning as expected.

## 7. TROUBLESHOOTING

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If you encounter issues with your Truezone system, consider the following basic troubleshooting steps:

- **No Power:** Check the AT140 Transformer connections and ensure the main power supply to the HVAC system is on.
- **Zone Not Responding:** Verify the thermostat for the affected zone is powered and set correctly. Check wiring connections at both the thermostat and the HZ322 Panel.
- **Incorrect Temperature:** Ensure the DATS sensor is properly installed and free from obstructions. Verify thermostat settings.
- **Digital Display Errors:** The HZ322 Panel's digital display may show error codes or messages. Consult the panel's on-screen guidance or a more detailed technical manual for specific interpretations and solutions.
- **Damper Issues:** Confirm damper wiring is correct and that the damper type is compatible with the HZ322 Panel (power closed/spring open).

## 8. SPECIFICATIONS

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<b>Model Number</b>	HZ322K
<b>Manufacturer</b>	Honeywell
<b>Display Type</b>	LED
<b>Operating Temperature</b>	50 Degrees Fahrenheit (minimum)
<b>Item Weight</b>	3.08 pounds (1.4 Kilograms)
<b>Product Dimensions</b>	14.4 x 9 x 7.7 inches
<b>Voltage</b>	24 Volts
<b>Material</b>	Plastic
<b>Mounting Type</b>	Panel Mount

## 9. WARRANTY INFORMATION

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According to product specifications, this item comes with **No Warranty**. Please refer to your retailer's return policy for details on product returns or exchanges.

## 10. SUPPORT

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For further assistance, technical support, or detailed wiring diagrams not covered in this manual, please contact Honeywell customer support or visit the official Honeywell website. Professional HVAC technicians can also provide expert installation and troubleshooting services.