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## MAXITROL TD114

# Maxitrol TD114 Remote Selector-Discharge Air Sensor User Manual

Model: TD114 | Brand: MAXITROL

## INTRODUCTION

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The Maxitrol TD114 is a remote selector-discharge air sensor designed to accurately measure and report air temperature within a specified range. This sensor is an electronic component primarily used in HVAC control systems to maintain desired environmental conditions. It operates within a temperature range of 55-90°F, providing reliable data for temperature regulation.

## PRODUCT OVERVIEW

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**Figure 1:** Maxitrol TD114 Remote Selector-Discharge Air Sensor and its packaging. The image displays the brown cardboard box labeled "TD114" and "MAXITROL COMPANY", alongside a yellow, lightning-bolt shaped component, which is likely the sensor or an associated tool. The yellow component also has contact information for J & P Electrical Company.

The TD114 sensor is a compact electronic component. Its primary function is to provide precise temperature readings for integration into HVAC control systems. The design ensures accurate sensing within its specified operating range, contributing to efficient climate control.

## SETUP AND INSTALLATION

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Proper installation is crucial for the accurate operation of the TD114 sensor. It is recommended that installation be performed by a qualified technician.

### Pre-Installation Checklist:

- Ensure power to the HVAC system is disconnected before beginning installation.
- Verify that the installation location is free from direct sunlight, drafts, or other heat sources that could affect temperature readings.
- Confirm compatibility with your existing HVAC control system.
- Gather necessary tools: screwdriver, wire strippers, mounting hardware (not included).

### Installation Steps:

1. **Mounting:** Select a suitable location for the sensor that accurately represents the air temperature to be measured. Mount the sensor securely using appropriate hardware. Avoid mounting near vents or heat-generating equipment.
2. **Wiring:** Refer to your HVAC system's wiring diagram for specific connection points. Connect the sensor's wires to

the designated terminals on your control panel. Ensure all connections are secure and properly insulated.

3. **Power On:** Once installation is complete and all connections are verified, restore power to the HVAC system.
4. **Initial Check:** Monitor the system to ensure the sensor is providing readings and the HVAC system is responding as expected.

## OPERATING INSTRUCTIONS

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The Maxitrol TD114 sensor operates by continuously monitoring the ambient air temperature within its specified range of 55-90°F. It transmits this data to the connected HVAC control system.

- The sensor functions automatically once properly installed and connected to a compatible control system.
- It provides real-time temperature feedback, allowing the control system to adjust heating or cooling as needed to maintain the desired setpoint.
- No user interaction is typically required for the sensor's operation itself, as it is a passive data collection device.

## MAINTENANCE

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The Maxitrol TD114 sensor is designed for low maintenance. Regular inspection can help ensure its longevity and accurate performance.

- **Cleaning:** Periodically, gently wipe the sensor's exterior with a soft, dry cloth to remove dust or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually, inspect the sensor and its wiring for any signs of damage, corrosion, or loose connections.
- **Environment:** Ensure the sensor's environment remains free from excessive moisture, extreme temperatures outside its operating range, or physical obstructions.

## TROUBLESHOOTING

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If you experience issues with your Maxitrol TD114 sensor, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Inaccurate Temperature Readings	Sensor located near a heat source/vent; dust accumulation; faulty wiring.	Relocate sensor if possible; clean sensor; check wiring connections.
Sensor Not Responding	No power to the HVAC system; loose wiring connection; sensor failure.	Check power supply; verify wiring; consult a technician for sensor replacement if necessary.
Intermittent Operation	Loose wiring; environmental interference.	Secure all wiring connections; ensure stable operating environment.

If problems persist after attempting these steps, contact a qualified HVAC technician or the manufacturer for further assistance.

## SPECIFICATIONS

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Attribute	Detail
Model Number	TD114

Attribute	Detail
Brand	MAXITROL
Temperature Range	55-90°F (55-90 Degrees Fahrenheit)
Product Type	Electronic Component
Material	Ceramic, Metal, Plastic
Item Weight	0.47 Pounds (approx. 7.52 ounces)
Package Dimensions	5.43 x 5.04 x 2.72 inches (approx. 6.9 cms (L) x 12.8 cms (W) x 13.8 cms (H))
Manufacturer	Maxitrol Company
Country Of Origin	United States
ASIN	B008FM2DNM

## WARRANTY AND SUPPORT

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Warranty information for the Maxitrol TD114 sensor is typically provided by the manufacturer, Maxitrol Company, or your authorized distributor at the time of purchase. Please refer to your purchase documentation or contact Maxitrol Company directly for specific warranty terms and conditions.

For technical support, troubleshooting assistance beyond this manual, or inquiries regarding parts and service, please contact Maxitrol Company or your product supplier.

*Note: The contact information for J & P Electrical Company observed on the product image (877-844-5514, [www.jpelectricalcompany.com](http://www.jpelectricalcompany.com)) may be for a reseller or distributor. For direct manufacturer support, please refer to Maxitrol Company's official channels.*

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This manual is for informational purposes only. Specifications are subject to change without notice.