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› APW Wyott Thermostat High Limit 550°F Instruction Manual

APW Wyott 1486500

APW Wyott Thermostat High Limit 550°F

Model: 1486500

1. PRODUCT OVERVIEW

The APW Wyott 1486500 is a genuine OEM replacement high-limit thermostat designed for commercial kitchen equipment. This component is crucial for maintaining safe operating temperatures by preventing overheating, specifically rated for a 550°F limit. Using genuine OEM parts ensures compatibility, reliability, and adherence to original equipment specifications.

Key Features

- **Guaranteed Compatibility:** OEM parts fit and function exactly like the original components, ensuring a perfect match.
- **Higher Quality and Reliability:** OEM parts are built to the same quality standards as the original components, reducing the risk of premature failure.
- **Safety Assurance:** Genuine parts provide peace of mind that your equipment remains safe to use.
- **Maintain Your Warranty:** Using genuine OEM parts is less likely to void your equipment's warranty.

Package Contents

- 1 x APW Wyott 1486500 High Limit Thermostat (Replacement Part)

2. SAFETY INFORMATION

Always disconnect power to the equipment before attempting any installation, maintenance, or repair. This thermostat operates at high temperatures and is part of a critical safety system. Improper installation or handling can result in electric shock, burns, or damage to the equipment. It is highly recommended that installation and service be performed by a qualified technician.

Ensure all local and national electrical codes are followed during installation. Do not bypass or modify the thermostat for any reason.

3. SETUP AND INSTALLATION

This high-limit thermostat is a direct OEM replacement part. Installation typically involves replacing the existing thermostat in compatible APW Wyott equipment. Refer to your specific equipment's service manual for detailed, step-by-step installation instructions.

1. **Power Disconnection:** Before beginning any work, ensure the equipment is completely disconnected from its power source. Verify with a voltage tester.
2. **Access:** Gain access to the existing thermostat within the equipment. This may involve removing panels or covers.
3. **Disconnection:** Carefully disconnect the electrical terminals and mounting hardware from the old thermostat. Note the wiring configuration if not clearly marked.
4. **Replacement:** Install the new APW Wyott 1486500 thermostat, ensuring it is securely mounted and all electrical connections are properly reattached. Ensure terminals are clean and connections are tight.
5. **Reassembly:** Reassemble any removed panels or covers.
6. **Testing:** Restore power to the equipment and perform functional tests as outlined in the equipment's service manual to confirm proper operation of the thermostat and the safety circuit.



Figure 3.1: Front view of the APW Wyott 1486500 High Limit Thermostat. This image shows the main body and mounting brackets, indicating its compact design for integration into various appliances.

4. OPERATING PRINCIPLE

The APW Wyott 1486500 is a normally closed (NC) bimetallic disc thermostat designed to open its electrical contacts when the sensing element reaches its specified high-limit temperature of 550°F. This action interrupts the power supply to the heating element or other critical components, preventing the equipment from exceeding safe operating temperatures. Once the temperature drops below a reset point, the contacts will automatically close, restoring power. This automatic reset feature is typical for high-limit safety devices in commercial applications.



Figure 4.1: Rear view of the thermostat, displaying the "THERM-O-DISC" marking, which is a common manufacturer of bimetallic disc thermostats. This view also shows the electrical terminals for connection.

5. MAINTENANCE

Regular inspection of the thermostat and its connections is recommended to ensure continued safe and reliable operation. While the thermostat itself is a sealed unit and requires no internal maintenance, the following checks can help prevent issues:

- **Visual Inspection:** Periodically inspect the thermostat for any signs of physical damage, corrosion on terminals, or discoloration due to overheating.
- **Connection Integrity:** Ensure all electrical connections to the thermostat are clean, tight, and free from fraying or damage. Loose connections can lead to arcing and premature failure.
- **Environmental Factors:** Ensure the area around the thermostat is free from excessive grease, dust, or debris that could impede heat dissipation or cause short circuits.

If any issues are observed, disconnect power immediately and consult a qualified service technician for repair or replacement.



Figure 5.1: Side profile of the thermostat, highlighting its compact form factor and the robust construction of the ceramic body and metal components.

components. This view emphasizes the mounting tabs.

6. TROUBLESHOOTING

If your equipment is experiencing issues related to temperature control or safety shutdowns, the high-limit thermostat may be a contributing factor. Always ensure power is disconnected before performing any checks.

Symptom	Possible Cause	Action
Equipment constantly trips high-limit / shuts off prematurely.	a. Actual overheating due to other component failure (e.g., main thermostat, heating element). b. Faulty high-limit thermostat (tripping at lower than 550°F). c. Poor air circulation around the thermostat.	a. Inspect other temperature control components. b. Test thermostat continuity at operating temperature (requires specialized tools and expertise). Replace if faulty. c. Clear any obstructions and ensure proper ventilation.
Equipment does not heat up or remains cold.	a. High-limit thermostat stuck open (contacts not closing). b. No power to the equipment. c. Other electrical component failure.	a. Check continuity across thermostat terminals when cold (should be closed). Replace if open. b. Verify power supply to the equipment. c. Consult equipment service manual for other potential causes.
Visible damage or discoloration on thermostat.	Overheating or electrical arcing.	Replace the thermostat immediately. Investigate root cause of overheating/arcing.

Note: Troubleshooting electrical components requires caution and proper tools. If you are not comfortable performing these checks, contact a certified technician.

7. SPECIFICATIONS

Attribute	Detail
Brand	APW Wyott
Model Number	1486500
Type	High Limit Thermostat
Temperature Limit	550°F
Function	Normally Closed (NC), Automatic Reset
Included Components	Replacement Part
Item Weight	Approximately 1.44 ounces (0.09 Pounds)
Product Dimensions	Approximately 4 x 4 x 6 inches (packaging dimensions)
UPC	046840698687
Manufacturer	Apw Wyott

Attribute	Detail
Date First Available	August 15, 2013



Figure 7.1: Top view of the thermostat, showing the metal disc and various markings including "49F24", "206785", and "550F", confirming its temperature rating.

8. WARRANTY AND SUPPORT

As a genuine OEM replacement part, the APW Wyott 1486500 thermostat is typically covered by the manufacturer's standard warranty for replacement parts. Specific warranty terms and duration may vary. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or to locate authorized service centers, please contact APW Wyott customer service directly or visit their official website. Always provide the model number (1486500) and the serial number of your equipment when seeking support.

APW Wyott Official Website: www.apwwyott.com (Note: This is a placeholder URL. Please refer to official product documentation for the correct website.)

ASK A QUESTION ABOUT THIS MANUAL

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

