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› Xiltek Carel Temperature Thermostat PZGXS0J111 with Temperature Sensor Probes 115V Instruction Manual

Xiltek PZGXS0J111

Xiltek Carel Temperature Thermostat PZGXS0J111 Instruction Manual

Model: PZGXS0J111

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Xiltek Carel Temperature Thermostat, model PZGXS0J111. This digital temperature controller is designed for precise temperature management in various refrigeration applications. Please read this manual thoroughly before use to ensure safe and efficient operation.

2. PRODUCT OVERVIEW

2.1 Included Components

- Carel Temperature Controller (Model PZGXS0J111)
- Yellow Clip Brackets (2)
- Temperature Sensor Probes (2)

2.2 Key Features

- Digital display for clear temperature readings.
- Push-button controls for easy setting adjustments.
- Programmable functions for customized temperature control.
- Dual temperature sensor probe inputs for comprehensive monitoring.
- Designed for 115V electrical systems.

2.3 Product Visuals



Image 1: The Xiltek Carel Temperature Thermostat PZGXS0J111, accompanied by two temperature sensor probes.



Image 2: Rear view of the thermostat, displaying the wiring diagram and terminal connections.



Image 3: The two included temperature sensor probes, one black and one blue, used for temperature detection.

2.4 Product Videos

Video 1: Unboxing and Basic Installation

This video demonstrates the unboxing and basic installation of the Carel PZGXS0J111 temperature controller, including how to attach the yellow clip brackets.

Video 2: Product Overview

A detailed overview of the Carel PZGXS0J111 temperature controller, highlighting its features and components.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your temperature thermostat. It is recommended that installation be performed by a qualified technician.

3.1 Mounting the Controller

1. Ensure the power supply is disconnected before beginning installation.
2. Cut a panel opening of the appropriate size for the controller (refer to the specifications section for

dimensions).

3. Insert the controller into the panel opening from the front.
4. Secure the controller using the provided yellow clip brackets by pushing them onto the sides of the controller until they lock into place.

3.2 Wiring Connections

Refer to the wiring diagram on the back of the controller (also shown in Image 2) for precise connections. The controller operates on 115V. Ensure all connections are secure and comply with local electrical codes.

- **Power Supply:** Connect the 115V power supply to the designated terminals (L and N).
- **Sensor Probes:** Connect the two temperature sensor probes to their respective NTC probe terminals.
- **Output Relays:** Connect the refrigeration unit's compressor, fan, or other controlled devices to the appropriate output relay terminals as per your system's requirements.

Warning: Incorrect wiring can cause damage to the unit or connected equipment, and may pose an electrical hazard. Consult a professional if you are unsure about any wiring steps.

4. OPERATING INSTRUCTIONS

The Carel PZGXS0J111 thermostat features a digital display and intuitive push-button controls for setting and monitoring temperatures.

4.1 Power On/Off

- Press the **Power** button (usually marked with a circle and vertical line) to turn the unit on or off.

4.2 Setting the Temperature

1. Press the **SET** button once. The display will show the current setpoint temperature.
2. Use the **Up** and **Down** arrow buttons to adjust the desired temperature.
3. Press **SET** again to confirm the new setpoint.

4.3 Advanced Programming

For advanced settings such as defrost cycles, differential, and alarm parameters, refer to the detailed programming instructions provided in the manufacturer's full technical manual. Accessing these parameters typically involves holding the SET button for several seconds to enter the programming menu.

5. MAINTENANCE

Regular maintenance ensures the continued accuracy and reliability of your temperature thermostat.

- **Cleaning:** Periodically clean the controller's display and casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Sensor Inspection:** Regularly check the temperature sensor probes for any signs of damage or corrosion. Ensure they are securely placed in their monitoring locations.
- **Connection Check:** Annually inspect all electrical connections to ensure they are tight and free from corrosion.
- **Software Updates:** If applicable, check the manufacturer's website for any available firmware updates.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your temperature thermostat.

Problem	Possible Cause	Solution
Display is blank	No power supply or faulty wiring.	Check power connections and ensure the unit is receiving 115V. Verify wiring according to the diagram.
Incorrect temperature reading	Faulty sensor probe or incorrect sensor placement.	Inspect sensor probes for damage. Ensure probes are correctly installed and making good contact with the area to be measured.
Unit not cooling/heating	Incorrect setpoint, faulty output relay, or issue with the connected refrigeration unit.	Verify the setpoint temperature. Check the status of the output relays. Inspect the connected refrigeration equipment.
Error code displayed	Specific internal fault or sensor issue.	Refer to the full technical manual for a list of error codes and their corresponding solutions.

7. SPECIFICATIONS

Feature	Detail
Brand	Xiltek
Model Name	Carel
Item Model Number	PZGXS0J111
Controller Type	Push Button
Special Feature	Programmable
Color	Black
Specific Uses For Product	Refrigerators & Freezers
Temperature Control Type	Digital
Connectivity Technology	Wired
Included Components	Temperature Controller, Yellow Clip Brackets, Sensor Probes
Power Source	Corded Electric
Voltage	115 Volts
Material	Copper
Display Type	LCD or LED
Control Method	Touch
Mounting Type	Wall Mount
Product Dimensions	3 x 2.5 x 0.38 inches
Specification Met	UL

Feature	Detail
UPC	689227216953

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact Xiltek directly. For technical support or further assistance, please reach out to the seller, Xiltek, through their official channels.

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