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Xiltek PZGXC0E112K

Instruction Manual

Carel Thermostat with Temperature Sensor Probe

Model: PZGXC0E112K

1. PRODUCT OVERVIEW

The Xiltek Carel Model PZGXC0E112K is a 115V thermostat designed for precise temperature control in various commercial refrigeration units, including reach-in freezers, undercounter and worktop freezers, glass door display freezers, and deli cases. This unit serves as a direct replacement for the discontinued Carel IR33F0AHA0 model.

It features an LCD display for easy monitoring and button/touch controls for intuitive operation. The thermostat comes equipped with necessary sensor probes and mounting brackets for installation.





Image: The Carel Model PZGXC0E112K thermostat unit, accompanied by its black and blue temperature sensor probes.

Included Components:

- 1 x Carel Temperature Controller (Model PZGXC0E112K)
- Yellow Clip Brackets for mounting
- Sensor Probes (typically one black and one blue)



Image: Close-up view of the black and blue temperature sensor probes included with the thermostat.

Replacement Information:

This Carel Model PZGXC0E112K is designed as a direct replacement for the older, now discontinued, Carel IR33F0AHA0 model. Users replacing the older model should ensure compatibility before installation.

Old Carel Model IR33F0AHA0 Is Discontinued



New Carel Model PZGXC0E112K Replaces It



Image: A visual comparison showing the discontinued Carel IR33F0AHA0 model crossed out, and the new Carel PZGXC0E112K model below it, indicating replacement.

2. SETUP AND INSTALLATION

Installation of the Carel PZGXC0E112K thermostat should be performed by a qualified technician. Ensure all power to the refrigeration unit is disconnected before beginning installation.

Mounting:

The thermostat is designed for wall mounting. Use the provided yellow clip brackets to secure the unit in the desired location. Ensure adequate ventilation around the unit.

Wiring:

Refer to the wiring diagram located on the top label of the thermostat for correct connections. The unit operates on 115V AC power. Connect the sensor probes to the designated terminals. Ensure all connections are secure and properly insulated.



Image: The rear view of the Carel thermostat, highlighting the various wiring terminals for electrical connections.



Image: The top view of the Carel thermostat, displaying the detailed wiring diagram and model information on its label.

After wiring, double-check all connections before restoring power to the refrigeration unit.

3. OPERATING INSTRUCTIONS

Once installed and powered, the thermostat's LCD display will show the current temperature. The unit features button and touch controls for setting parameters.

Basic Operation:

- **Power On/Off:** The unit powers on automatically when connected to a 115V AC power source.
- **Temperature Display:** The main LCD screen displays the current temperature measured by the sensor probe.
- **Setting Temperature:** Use the "Set" button to enter the temperature setting mode. Use the up/down arrows (if present, or implied by touch interface) to adjust the desired temperature. Press "Set" again to confirm.
- **Mute/Alarm:** The "Mute" button is typically used to silence alarms or acknowledge warnings.
- **Fan Control:** This model includes a fan control feature. Refer to the detailed programming manual (not included in this general guide) for specific fan operation settings.

For advanced programming and parameter adjustments, consult the comprehensive programming manual provided by Carel or Xiltek, which details all available settings and their functions.

4. MAINTENANCE

The Carel PZGXC0E112K thermostat is designed for reliable operation with minimal maintenance. Regular checks can help ensure its longevity and accurate performance.

- **Cleaning:** Periodically wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the unit.
- **Sensor Probes:** Inspect sensor probes for any physical damage or corrosion. Ensure they are securely in place and not obstructed.
- **Connections:** Annually, or as needed, verify that all electrical connections are tight and free from corrosion. Ensure power is disconnected before checking connections.
- **Ventilation:** Ensure the area around the thermostat is clear of obstructions to allow for proper airflow and prevent overheating.

5. TROUBLESHOOTING

This section provides guidance for common issues. For complex problems, contact a qualified technician or Xiltek support.

Problem	Possible Cause	Solution
No display/No power	No power supply; Loose wiring; Blown fuse/breaker	Check power source; Verify all wiring connections; Check and reset circuit breaker or replace fuse.
Incorrect temperature reading	Faulty sensor probe; Improper sensor placement; Sensor connection issue	Inspect sensor for damage; Ensure sensor is correctly positioned in the freezer; Check sensor wiring connections.
Unit not controlling temperature	Incorrect temperature settings; Wiring error; Internal fault	Verify set temperature; Re-check wiring according to diagram; Contact support if problem persists.
Alarm sounding	Temperature outside set limits; Sensor error; Other system fault	Check freezer temperature; Press "Mute" to silence; Consult programming manual for alarm codes; Address underlying issue.

6. SPECIFICATIONS

Feature	Detail
Brand	Xiltek
Model Name	PZGXC0E112K
Controller Type	Carel
Voltage	115 Volts
Power Source	AC adapter
Special Feature	Fan Control
Specific Uses For Product	Freezer
Temperature Control Type	Thermostatic
Connectivity Technology	Wired
Included Components	Temperature Controller, Yellow Clip Brackets, Sensor Probes
Item Weight	1 Pounds
Material	Copper
Product Dimensions	2.9 x 2.95 x 1.4 inches
Display Type	LCD
Control Type	Button Control
Control Method	Touch
Mounting Type	Wall Mount
Backlight	Yes
UPC	689227216960
Manufacturer	Carel

7. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Xiltek Carel Thermostat, please contact Xiltek directly. Refer to the product packaging or the Xiltek official website for the most current contact details and warranty terms.

Xiltek Store: [Visit the Xiltek Store on Amazon](#)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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