

[Manuals.plus](#) /

› [Aoleaby](#) /

› Aoleaby Temperature Controller XR72CX-5N0C3 User Manual

Aoleaby XR72CX-5N0C3

Aoleaby Temperature Controller XR72CX-5N0C3 User Manual

Model: XR72CX-5N0C3 | Brand: Aoleaby

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Aoleaby XR72CX-5N0C3 Temperature Controller. This device is designed for precise temperature regulation in various industrial and commercial applications.

Key features of the XR72CX-5N0C3 include its user-friendly interface, fast response capability, high stability for long-term operation, and the ability to record and analyze temperature data.

2. PRODUCT OVERVIEW

The Aoleaby XR72CX-5N0C3 is a compact digital temperature controller featuring a clear LED display and intuitive control buttons. Below is an image of the device, highlighting its main display and control interface.



Figure 1: Front view of the Aoleaby XR72CX-5N0C3 Temperature Controller. The display shows a temperature of -18.5°C. On the left, there are buttons for light, fan, and SET. Indicator lights for various functions are also visible.

The front panel includes a large digital display for current temperature readings, along with indicator lights for operational status. Control buttons are located on the left and right sides of the display, allowing users to adjust settings and navigate menus.

3. SPECIFICATIONS

Feature	Detail
Model	XR72CX-5N0C3
Brand	Aoleaby
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.32 pounds (600 Grams)
Color	One Color
Number of Pieces	1
Assembly Required	No

4. SETUP

4.1. Mounting

The XR72CX-5N0C3 is designed for panel mounting. Ensure the mounting location is stable, free from excessive vibration, and within the recommended ambient temperature and humidity ranges. Cut an appropriate opening in the panel according to the device's dimensions and secure it using the provided clips or screws.

4.2. Wiring

Warning: All wiring should be performed by a qualified electrician in accordance with local electrical codes and regulations. Ensure the power supply is disconnected before commencing any wiring work.

- Identify the power input terminals (typically marked L and N for Live and Neutral, or + and - for DC).
- Connect the temperature sensor to the designated sensor input terminals. Observe polarity if applicable.
- Connect the load (e.g., compressor, heater) to the relay output terminals. Ensure the load's power requirements do not exceed the controller's relay specifications.
- Verify all connections are secure and correct before applying power.

4.3. Initial Power-On

Once wiring is complete and verified, apply power to the controller. The display should illuminate, showing the current temperature or an initial setup screen. Refer to the operating instructions for initial parameter configuration.

5. OPERATING INSTRUCTIONS

5.1. Display Overview

The main display shows the current measured temperature. Various indicator lights provide status information:

- **Temperature Value:** Large red digits indicate the current temperature.
- **°C / °F Indicator:** Shows the unit of temperature measurement.
- **Compressor/Heating Indicator:** A light (often a snowflake or flame icon) indicates when the cooling or heating relay is active.
- **Defrost Indicator:** A light (often a fan or water droplet icon) indicates when the defrost cycle is active.
- **Alarm Indicator:** A light (often a bell or exclamation mark) indicates an alarm condition.

5.2. Basic Operation

- **Power On/Off:** Typically, the device powers on automatically when connected to a power source. Some models may have a dedicated power button or a combination of buttons to turn on/off.
- **Viewing Setpoint:** Press the **SET** button once to view the current temperature setpoint.
- **Adjusting Setpoint:**
 1. Press the **SET** button for approximately 3 seconds until the setpoint value flashes.
 2. Use the **Up (▲)** and **Down (▼)** arrow buttons to adjust the desired temperature.
 3. Press **SET** again to confirm and save the new setpoint, or wait a few seconds for it to save automatically.
- **Accessing Parameters Menu:** Press and hold the **SET** button and the **Down (▼)** button simultaneously for several seconds to enter the parameter configuration menu. Refer to the detailed parameter list for specific settings.
- **Light Control:** If equipped, press the **Light ()** button to toggle the internal light (e.g., in a display cabinet).
- **Manual Defrost:** If equipped, press the **Defrost (✱)** button for a few seconds to initiate a manual defrost cycle.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the front panel of the controller with a soft, damp cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the display or internal components. Ensure the device is powered off before cleaning.

6.2. Inspection

Periodically inspect the wiring connections for any signs of loosening, corrosion, or damage. Ensure the temperature sensor is securely in place and free from obstructions. Check for any unusual noises or smells coming from the unit, which could indicate a problem.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank	No power supply; incorrect wiring; internal fault.	Check power connections and supply. Verify wiring. If problem persists, contact support.
Temperature reading is inaccurate	Sensor fault; sensor not properly installed; incorrect calibration.	Check sensor connection and placement. Replace sensor if damaged. Check calibration parameters.
Controller not activating load (e.g., compressor)	Setpoint not met; relay fault; load wiring issue; parameter settings.	Verify setpoint and differential. Check load wiring. Review operating parameters (e.g., defrost cycles, delays).
Error code displayed (e.g., "E1", "P1")	Specific sensor or system fault.	Consult the full product manual for specific error code definitions and solutions.

For issues not listed here or if solutions do not resolve the problem, please contact Aoleaby customer support.

8. WARRANTY AND SUPPORT

The Aoleaby XR72CX-5N0C3 Temperature Controller comes with a standard manufacturer's warranty. Please refer to your purchase documentation for specific warranty terms and conditions.

For technical assistance, troubleshooting guidance, or warranty claims, please contact Aoleaby customer support through the retailer where the product was purchased or visit the official Aoleaby website for contact information.

ASK A QUESTION ABOUT THIS MANUAL

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

Open the live page

<https://manuals.plus/asin/B0DSPLNRXQ>

More documents and user manuals: <https://manuals.plus/>