ORIA WA181

ORIA Digital Refrigerator and Freezer Thermometer WA181 User Manual

Model: WA181

INTRODUCTION

Thank you for choosing the ORIA Digital Refrigerator and Freezer Thermometer. This device is designed to monitor temperature and humidity in your refrigerator, freezer, or other environments using its main unit and two wireless sensors. Please read this manual carefully before use to ensure proper operation and longevity of the product.

PRODUCT OVERVIEW

Components Included:

- 1 x Main Display Unit
- 2 x Wireless Remote Sensors
- 1 x User Manual
- 1 x USB Data Cable (for main unit power)
- 1 x Magnetic Plate (for main unit installation)

Main Unit Display Features:

Image: Detailed view of the main display unit, showing various indicators for time, date, indoor temperature/humidity, sensor 1 temperature/humidity, and sensor 2 temperature/humidity, along with control buttons.

- **Indoor Temperature & Humidity:** Displays current conditions at the main unit's location.
- **Sensor 1 Temperature & Humidity:** Shows readings from the first wireless sensor (green zone).
- **Sensor 2 Temperature & Humidity:** Shows readings from the second wireless sensor (blue zone).
- **Time & Date:** Current time and calendar display.
- **Max/Min Records:** Tracks highest and lowest temperature/humidity for each channel.
- **Alarm Indicators:** Visual alerts for temperature deviations.

SETUP

Battery Installation:

1. **Main Unit:** Open the battery compartment on the back. Insert 3 x AAA batteries (not included), ensuring correct polarity (+/-).
2. **Wireless Sensors:** Open the battery compartment on each sensor. Insert 2 x AA batteries (not included) into each sensor, observing correct polarity.

Note: The main unit can also be powered via the included USB cable. When powered by USB, the backlight remains on and offers three brightness levels.

Sensor Synchronization:

After installing batteries in both the main unit and sensors, the sensors will automatically attempt to synchronize with the main unit. This process may take a few moments. Ensure sensors are within range of the main unit during initial setup.

OPERATING INSTRUCTIONS

Basic Display:

The main unit displays indoor temperature and humidity, along with readings from Sensor 1 and Sensor 2. Each sensor's data is presented in a distinct color zone (green for Sensor 1, blue for Sensor 2) for easy identification.

Temperature Unit Selection (°C/°F):

Press the **MODE** button to cycle through display modes. To change the temperature unit between Celsius (°C) and Fahrenheit (°F), locate the dedicated button (often labeled **°C/°F** or integrated with another button like **+/-**) and press it.

Max/Min Records:

The device records maximum and minimum temperature and humidity values for the past 24 hours or since the last reset. Briefly press the **+/-** button to switch between 24-hour and all-time record modes. To clear the records, press and hold the **+/-** button.

Backlight Control:

- **Battery Power:** The backlight activates for 10 seconds when any button is pressed.
- **USB Power:** The backlight remains continuously on. Press the backlight button (if available) or a specific button combination to adjust between three brightness levels.

Image: Illustration of the main unit connected via USB for continuous backlight and battery compartment for battery-only operation.

TEMPERATURE ALARM FUNCTION

The thermometer features an adjustable alarm function for both wireless sensors. You can set specific maximum and minimum temperature thresholds.

Image: Visual representation of wireless sensors placed in a refrigerator and freezer, with the main unit displaying an active temperature alarm.

Setting the Alarm:

1. Press the **CH1** or **CH2** button to select the sensor channel you wish to configure.
2. Press and hold the **ALERT** button (or a similar button, refer to the specific manual for exact button labels) until the alarm temperature settings begin to flash.
3. Use the **+/-** buttons to adjust the desired maximum and minimum temperature thresholds.
4. Press the **ALERT** button again to confirm and save the settings.

If the temperature in a monitored zone exceeds or falls below the set thresholds, the main unit will emit an audible alarm for two minutes. Press the **-/RF** button to view pre-set alarm temperatures.

INSTALLATION

The main unit and wireless sensors offer multiple installation options for convenience.

Image: The main unit illustrating its built-in stand, magnetic back, and hanging hole for versatile placement.

Main Unit Placement:

- **Stand:** Use the integrated kickstand on the back to place the unit on a countertop or shelf.
- **Magnetic Attachment:** Attach the provided magnetic plate to the back of the main unit and then secure it to any metallic surface, such as a refrigerator door.
- **Wall Mount:** Utilize the hanging hole on the back to mount the unit on a wall using a screw or hook (not included).

Wireless Sensor Placement:

Image: A wireless sensor positioned inside a refrigerator, demonstrating its remote monitoring capability.

- Place the wireless sensors inside your refrigerator, freezer, or any other area you wish to monitor.
- Ensure the sensors are placed vertically as indicated in the instructions for optimal performance.

- The maximum transmission distance is approximately 100 meters (328 feet) in open areas. Walls and obstacles may reduce this range.

MAINTENANCE

- **Cleaning:** Wipe the main unit and sensors with a soft, damp cloth. Do not use abrasive cleaners or immerse in water.
- **Battery Replacement:** When the low battery icon appears on the display, replace the batteries promptly. For the main unit, use 3 x AAA batteries. For each wireless sensor, use 2 x AA batteries.
- **Storage:** If not in use for an extended period, remove all batteries to prevent leakage and store the device in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or incorrectly installed.	Replace batteries (3xAAA) or check polarity. Connect USB power.
Sensor readings not appearing.	Sensor batteries are dead, sensor is out of range, or not synchronized.	Replace sensor batteries (2xAA). Move sensor closer to the main unit. Re-synchronize by removing and reinserting batteries in both units.
Inaccurate temperature/humidity.	Sensor placement, interference, or calibration issue.	Ensure sensors are not near heat sources or vents. Allow time for readings to stabilize. If persistent, contact support.
Alarm not sounding.	Alarm thresholds not set or alarm function is off.	Verify alarm settings and ensure the alarm icon is active on the display.
Settings reset after battery change.	This model does not retain settings without continuous power.	Re-enter time, date, and alarm settings after each battery replacement. Consider using USB power for the main unit to retain settings.

SPECIFICATIONS

Feature	Detail
Model Number	WA181
Brand	ORIA
Main Unit Power	3 x AAA batteries (not included) or USB powered (cable included)
Sensor Power	2 x AA batteries per sensor (not included)
Temperature Accuracy	±1℃ (1.8℉)
Humidity Accuracy	±5% RH

Feature	Detail
Display Type	LCD Color Display
Special Functions	Dual wireless sensors, Temperature/Humidity alarm, 24-hour/All-time Max/Min records, DST
Material	Plastic
Wireless Transmission Range	Up to 100 meters (328 feet) in open air

WARRANTY AND SUPPORT

ORIA is committed to providing high-quality products and customer service.

- **Warranty:** This product comes with a 1-year warranty from the date of purchase.
- **Returns:** Enjoy a 30-day hassle-free return policy.
- **Customer Support:** For any questions, issues, or technical assistance, please contact ORIA customer service. We aim to respond within 24 hours and provide lifetime after-sales support.