

ORIA WA77

ORIA WA77 Indoor/Outdoor Wireless Digital Thermometer User Manual

1. INTRODUCTION

Thank you for purchasing the ORIA WA77 Indoor/Outdoor Wireless Digital Thermometer. This device is designed to provide accurate temperature readings for both your indoor environment and an outdoor location via a remote wireless sensor. Please read this manual carefully before use to ensure proper operation and to maximize the lifespan of your product.

2. PRODUCT OVERVIEW

The ORIA WA77 thermometer system consists of a main display unit and a wireless remote sensor.

Main Display Unit

The main unit features a large LCD screen with an orange backlight for easy readability in various lighting conditions. It displays both indoor and outdoor temperatures, along with time and other indicators.

LCD BACKLIGHT DISPLAY

Easy to read even in the dark



Image 2.1: The main display unit showing the LCD screen with its orange backlight, making it easy to read temperature and time even in low light conditions.

Wireless Remote Sensor

The remote sensor transmits outdoor temperature data wirelessly to the main unit. It is designed for outdoor placement and has a maximum transmission range of 100 meters (328 feet) in open areas.

Wireless Remote Sensor

Max transmission distance: 328ft/100m



Image 2.2: The wireless remote sensor (bottom) and the main display unit (top). The remote sensor is designed to be placed outdoors to measure external temperature and transmit it to the main unit.

Components and Controls

- **Main Display Unit:** LCD screen, 'SET' button, '°C/°F' button, 'MAX/MIN' button, '12/24' button, backlight button, battery compartment, stand, magnets, hang hole.
- **Remote Sensor:** Temperature sensor, channel switch, battery compartment, stand, hang hole, sucker.

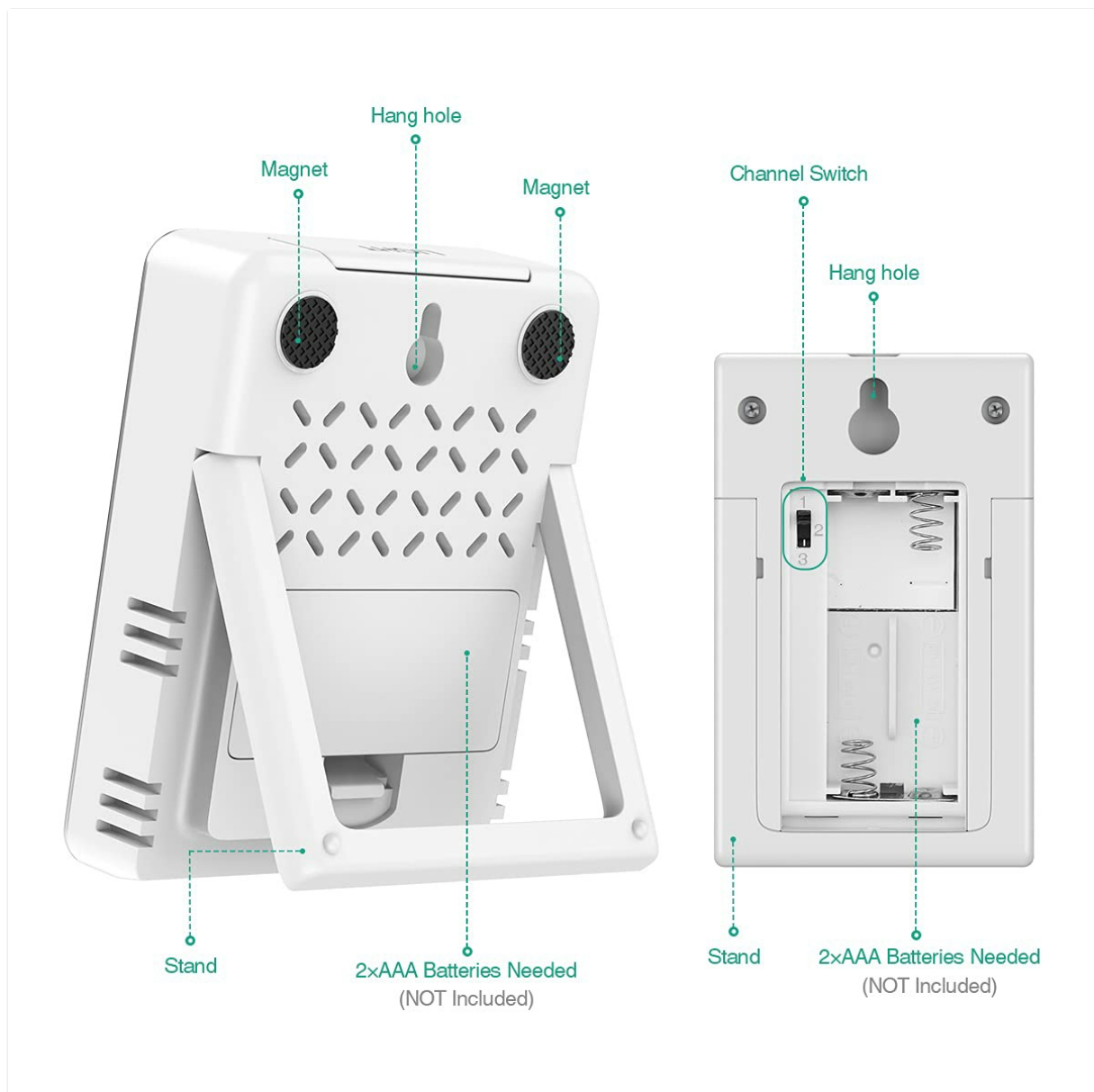


Image 2.3: Rear view of the main unit and remote sensor, highlighting features such as the stand, magnets, hang hole, channel switch, and battery compartments for 2xAAA batteries (not included).

3. SETUP

3.1 Battery Installation

1. **Main Unit:** Open the battery compartment cover on the back of the main unit. Insert 2 AAA batteries (not included) according to the polarity markings (+/-). Close the cover.
2. **Remote Sensor:** Open the battery compartment cover on the back of the remote sensor. Insert 2 AAA batteries (not included) according to the polarity markings (+/-). Close the cover.

Note: Ensure batteries are inserted correctly. Replace batteries when the low battery indicator appears on the display.

3.2 Sensor Pairing

After installing batteries in both units, the main unit will automatically search for the remote sensor. The outdoor temperature should appear on the main unit's display within a few minutes. If the outdoor temperature does not display, press and hold the '12/24' button on the main unit for 3 seconds to manually re-establish the connection.

3.3 Sensor Placement

For accurate outdoor temperature readings and to prolong the sensor's life, place the remote sensor in a shaded area, away from direct sunlight and precipitation. The sensor should always be placed with its ventilation holes facing upwards to prevent rain from entering. Ensure it is within the 100-meter (328 feet) transmission range of the main unit, minimizing obstacles like thick walls or metal structures.

4. OPERATING INSTRUCTIONS

4.1 Temperature Unit Selection (°C/°F)

Press the '°C/°F' button on the main unit to switch between Celsius and Fahrenheit temperature displays.

4.2 Time Setting

Press and hold the 'SET' button for 3 seconds to enter time setting mode. Use the 'MAX/MIN' or '12/24' buttons to adjust the hour and minute values. Press 'SET' again to confirm each setting and move to the next. Press 'SET' once more to exit time setting mode.

4.3 12/24 Hour Format

Press the '12/24' button to switch between 12-hour and 24-hour time formats.

4.4 Max/Min Temperature Records

Press the 'MAX/MIN' button to view the maximum and minimum recorded indoor and outdoor temperatures. Press it again to cycle through current, maximum, and minimum readings. The records are typically reset every 24 hours or upon battery replacement.

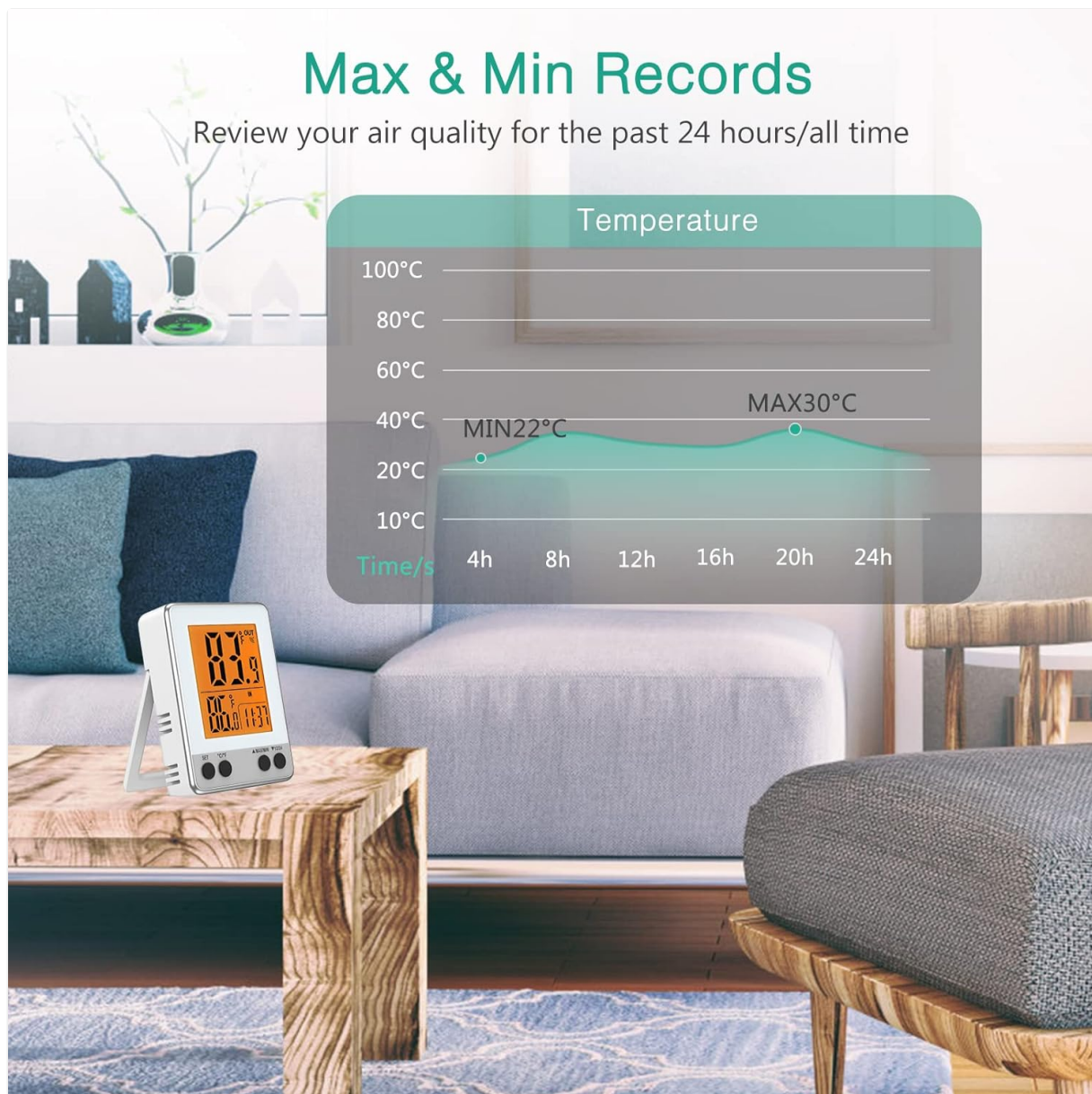


Image 4.1: The display showing maximum and minimum temperature records, allowing users to review temperature fluctuations over time.

4.5 Backlight Activation

Press the 'LIGHT' button (usually located on the top edge of the main unit) to activate the orange backlight for a few seconds, improving visibility in dark environments.

5. FEATURES

- Provides accurate indoor and outdoor temperature readings simultaneously.
- 3-inch LCD display with orange backlight for easy readability day or night.
- Switchable temperature units: Celsius (°C) or Fahrenheit (°F).
- Adjustable time display: 12-hour or 24-hour format.
- Low battery indicator for timely battery replacement.
- Records and displays maximum and minimum temperature values.
- Wireless transmission range of up to 100 meters (328 feet) in open areas.
- Multiple mounting options for the main unit: desktop stand, magnetic attachment, or wall mount.
- Multiple mounting options for the remote sensor: desktop stand, hang, or sucker.

MULTIPLE MOUNTING OPTIONS



Image 5.1: Various mounting options for the main unit (stand, wall mount, magnet) and the remote sensor (stand, hang, sucker), offering flexibility for placement.



Image 5.2: Examples of where the ORIA WA77 thermometer can be used, including refrigerators, baby rooms, bedrooms, warehouses, and greenhouses.

6. MAINTENANCE

6.1 Battery Replacement

When the low battery indicator appears on the display, replace the batteries in both the main unit and the remote sensor with new AAA batteries. Ensure correct polarity.

6.2 Cleaning

Wipe the units with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the display or casing.

6.3 Environmental Considerations

Avoid exposing the units to extremely high or low temperatures, as this can damage electronic components and plastics. Do not immerse the units in water.

7. TROUBLESHOOTING

- **Blank LCD Display:** If the LCD screen goes blank, replace the batteries in the main unit.
- **No Outdoor Temperature Reading:**
 - a. Check if the remote sensor batteries are installed correctly and are not depleted.
 - b. Ensure the remote sensor is within the transmission range (100m/328ft) of the main unit and there are no significant obstructions.
 - c. Press and hold the '12/24' button on the main unit for 3 seconds to manually re-establish the connection with the remote sensor.
- **Inaccurate Readings:** Ensure both units are placed away from direct heat sources, cold drafts, or direct sunlight. The remote sensor should be in a shaded, protected area outdoors.

8. SPECIFICATIONS

Model Number	WA77
Power (Main Unit)	2 x AAA batteries (not included)
Power (Wireless Sensor)	2 x AAA batteries (not included)
Transmission Range	100 meters / 328 feet (open area)
Display Type	Digital LCD with orange backlight
Mounting Options (Main Unit)	Desktop stand, Magnetic, Wall mount
Mounting Options (Sensor)	Desktop stand, Hang, Sucker
Product Weight	168 g
Package Dimensions	11.5 x 9.1 x 6.4 cm

9. SAFETY INFORMATION

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Remove batteries if the device is not used for an extended period.
- Keep out of reach of children.
- Do not attempt to disassemble or repair the unit yourself. Contact customer support for assistance.

10. WARRANTY AND SUPPORT

ORIA products are designed to provide reliable performance. For any questions, troubleshooting assistance, or warranty claims, please contact ORIA customer support through your purchase platform or the official ORIA website. Please have your model number (WA77) and purchase details available when contacting support.