

HTC-2 LCD Digital Thermometer Hygrometer User Manual

Model: HTC-2

1. INTRODUCTION

Thank you for purchasing the Reland Sung HTC-2 LCD Digital Thermometer Hygrometer. This device is designed to provide accurate indoor and outdoor temperature readings, indoor humidity levels, and time display. It features a large LCD screen for easy readability and offers various functions including a clock, calendar, and alarm.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Keep the device away from water and other liquids.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified personnel for service.
- Dispose of batteries according to local regulations. Do not mix old and new batteries or different types of batteries.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x HTC-2 Temperature & Humidity Meter
- 1 x 1.5m Outdoor Sensor Probe
- 1 x English User Manual
- *Note: AAA size batteries (1.5V*1) are not included and must be purchased separately.*

4. PRODUCT OVERVIEW



Figure 1: Front view of the HTC-2 device. This image displays the large LCD screen showing indoor and outdoor temperatures, humidity, and time. The control buttons (MODE, ADJ, MEMORY) are visible on the right side.



Figure 2: Angled view of the HTC-2 device, highlighting its compact design and the attached outdoor sensor probe with its cable.



Figure 3: Rear view of the HTC-2 device, showing the battery compartment cover and the integrated stand/wall-hanging hole for versatile placement options.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the back of the device (refer to Figure 3).
2. Slide open the battery compartment cover.
3. Insert one 1.5V AAA size battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely. The device will power on automatically.

5.2 Placement

- **Desk-top Placing:** Use the integrated stand on the back of the device to place it on any flat surface.
- **Wall Hanging:** Utilize the hanging hole on the back of the device to mount it on a wall using a suitable screw or hook.

5.3 Outdoor Sensor Probe

The device comes with a 1.5m long outdoor sensor probe. This probe is designed to measure outdoor temperature. Carefully extend the probe cable and place the sensor tip outdoors, ensuring it is protected from direct sunlight and precipitation for accurate readings. The main unit should remain indoors.

6. OPERATING INSTRUCTIONS

6.1 Display Information

The large LCD display shows the following information:

- **IN:** Indoor Temperature
- **OUT:** Outdoor Temperature (measured by the external probe)
- **RH%:** Indoor Humidity
- **Time:** Current time (12-hour or 24-hour format)
- **Date:** Month and Day

6.2 Button Functions

Button	Function
MODE	Switches between Time/Date display, sets time/date, and activates alarm.
ADJ	Adjusts values during setting mode. Toggles between °C/°F.
MEMORY	Displays MAX/MIN temperature and humidity values. Clears recorded values.

6.3 Setting Time and Date

1. In normal time display mode, press the **MODE** button once to switch to Date display.
2. Press and hold the **MODE** button for approximately 3 seconds until the hour digits start flashing.
3. Use the **ADJ** button to adjust the hour.
4. Press **MODE** again to move to minutes, then adjust with **ADJ**.
5. Continue pressing **MODE** to cycle through Year, Month, and Day settings, adjusting each with **ADJ**.
6. After setting the Day, press **MODE** one more time to exit setting mode.

6.4 12/24 Hour Display Selection

In normal time display mode, press the **ADJ** button to toggle between 12-hour (AM/PM) and 24-hour display formats.

6.5 Celsius (°C) / Fahrenheit (°F) Selection

In normal display mode, press the **ADJ** button to switch between Celsius (°C) and Fahrenheit (°F) temperature units.

6.6 Alarm Function

1. In normal time display mode, press the **MODE** button twice to enter Alarm setting mode. The alarm time will be displayed.
2. Press and hold the **MODE** button for approximately 3 seconds until the alarm hour digits start flashing.
3. Use the **ADJ** button to adjust the alarm hour.
4. Press **MODE** again to move to alarm minutes, then adjust with **ADJ**.
5. Press **MODE** one more time to exit alarm setting mode.
6. To activate or deactivate the alarm, press the **ADJ** button while in alarm display mode. An alarm icon (bell symbol) will appear on the screen when the alarm is active.

6.7 MAX/MIN Temperature and Humidity Memory

The device automatically records the maximum and minimum temperature and humidity values since the last reset.

- Press the **MEMORY** button once to display the maximum (MAX) recorded values for temperature and humidity.
- Press the **MEMORY** button again to display the minimum (MIN) recorded values.
- Press the **MEMORY** button a third time to return to the current readings.
- To clear the MAX/MIN records, press and hold the **MEMORY** button for approximately 3 seconds while MAX or MIN values are displayed. The records will reset to current values.

7. FEATURES

- Large LCD display for clear readability.
- Simultaneous display of indoor temperature, outdoor temperature, indoor humidity, and time.
- Memory function for maximum and minimum measured values.
- Selectable 12-hour / 24-hour time display system.
- Switchable Celsius (°C) and Fahrenheit (°F) temperature units.
- Integrated Clock, Date, and Calendar function (month and date).
- Daily alarm function.
- Versatile placement: suitable for desk-top use or wall hanging.
- Low power consumption for extended battery life.
- High stability and accuracy in measurements.

8. SPECIFICATIONS

Parameter	Value
Device Color	White
Temperature Range (Indoor & Outdoor)	-50°C ~ +70°C (-58°F ~ +158°F)
Humidity Range	10% ~ 99% RH
Humidity Accuracy	+/- 10% RH
Temperature Accuracy	+/- 1 °C
Power Supply	1 x 1.5V AAA size battery (not included)
Device Dimensions	10.5 x 9.8 x 2.4 cm (4.13 x 3.86 x 0.94 inches)
Device Weight	126g (approx. 4.44 oz)
Outdoor Probe Length	1.5m

9. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Battery Replacement:** When the display becomes dim or inaccurate, replace the battery with a new 1.5V AAA size battery.
- **Storage:** If storing the device for an extended period, remove the battery to prevent leakage. Store in a cool, dry place.

10. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or dim display	Low or dead battery; incorrect battery polarity.	Replace battery with a new one; ensure correct battery orientation.
Inaccurate temperature/humidity readings	Sensor blocked or exposed to extreme conditions; device placed near heat/cold source.	Ensure sensors are clear; reposition device away from direct heat/cold sources or drafts. Ensure outdoor probe is correctly placed and protected.
Outdoor temperature not displayed	Outdoor sensor probe not connected or damaged.	Check the connection of the outdoor probe. If damaged, contact support.
Buttons not responding	Temporary software glitch; low battery.	Remove and reinsert the battery to reset the device. Replace battery if low.