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› Houdian Digital Indoor Hygrometer Thermometer User Manual

Houdian E0828

Digital Indoor Hygrometer Thermometer

MODEL: E0828

User Manual

Introduction

Thank you for choosing the Houdian Digital Indoor Hygrometer Thermometer. This device is designed to provide accurate and real-time measurements of indoor temperature and humidity, helping you maintain a comfortable and healthy living environment. Its compact design, large display, and multiple features make it an essential tool for any home or office.



Image: Front view of the Houdian Digital Indoor Hygrometer Thermometer displaying temperature, humidity, time, and a comfort indicator.

Key Features

- **Air Comfort Display:** Features face symbols to quickly indicate dry, comfort, or wet air conditions, guiding adjustments to humidifiers or dehumidifiers.
- **High Accuracy & Fast Update:** Provides temperature accuracy of $\pm 1^{\circ}\text{C}$ and humidity accuracy of $\pm 5\%$ RH, with data updated every 10 seconds for real-time environmental changes.
- **Compact Design with Large Digits:** Slim and lightweight (8.9 x 8.6 cm, 30g) with a 2.3-inch large LCD display for easy and clear reading of temperature and humidity.
- **Backlight & Clock Function:** Enables clear readings at night or in dark conditions and includes a convenient alarm clock function.
- **Multiple Mounting Options:** Equipped with a table stand and a hanging hole for versatile placement in various indoor

environments such as living rooms, kitchens, offices, or cellars.



Image: The device highlighting its various functions, including temperature, humidity, comfort, backlight, and clock, shown in a home setting.

Package Contents

Please check the package contents upon unboxing:

- 1 x Houdian Digital Indoor Hygrometer Thermometer (Model: E0828)
- 2 x AAA Batteries (pre-installed or included separately)
- 1 x User Manual (this document)

Setup

1. Battery Installation

1. Locate the battery compartment on the back of the device.
2. Open the battery cover by sliding it down or pressing the latch.
3. Insert 2 AAA batteries, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery cover securely.

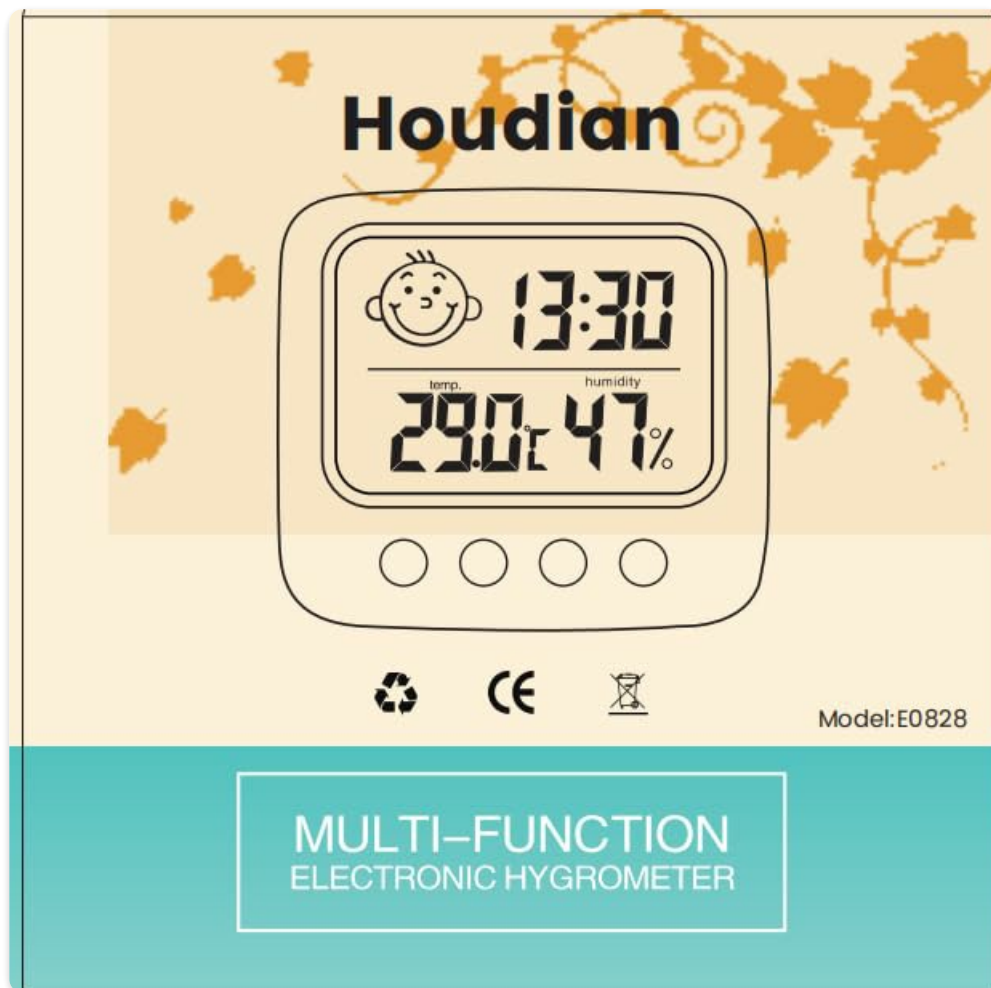


Image: Rear view of the device showing the battery compartment and how to insert batteries.

2. Placement Options

The device offers two convenient placement methods:

- **Desktop Stand:** Extend the integrated stand on the back of the device to place it upright on any flat surface, such as a desk, table, or shelf.
- **Wall Mount:** Use the hanging hole located on the back of the device to mount it on a wall using a nail or screw (not included).

Placement Methods



Hanging on the wall



Stand on Desktop



Image: Illustration of the device's versatile placement options, including wall mounting and desktop standing.

Operating Instructions

1. Power On/Off

The device automatically powers on once batteries are inserted. There is no manual power on/off button. To turn off, remove the batteries.

2. Reading the Display

The large LCD display shows the following information:

- **Time:** Displays the current time (AM/PM indicator).
- **Temperature:** Shows the current indoor temperature in °C or °F.

- **Humidity:** Displays the current indoor relative humidity in percentage (%).
- **Comfort Indicator:** A face icon indicates the air comfort level:
 - *Happy Face:* Comfortable (40% < Humidity < 70%)
 - *Neutral Face:* Dry (Humidity < 40%)
 - *Sad Face:* Wet (Humidity > 70%)

Air Comfort Indicator

Always be aware of changes in your home
with just a quick glance



Humidity < 40%



40% < Humidity < 70%



Humidity > 60%

Image: The device's display showing the air comfort indicator and its corresponding humidity ranges.

3. Backlight Function

Press the **light bulb icon button** (often labeled with a sun or light symbol) on the front of the device to activate the backlight. This improves visibility in low-light conditions. The backlight will automatically turn off after a few seconds to conserve battery life.



Image: The device with its backlight illuminated, demonstrating improved readability in dark environments.

4. Switching Temperature Units (°C/°F)

Press the **°C/°F button** on the front of the device to toggle between Celsius and Fahrenheit temperature units.

5. Setting Time and Alarm

The device includes a clock function. Use the **MODE** and **ADJ** buttons to set the time and alarm. Refer to the specific button functions:

- **MODE Button:** Press to cycle through display modes (e.g., Time, Alarm). Press and hold to enter setting mode for the current display.
- **ADJ Button:** Use to adjust values when in setting mode (e.g., hours, minutes).

Detailed Time/Alarm Setting Steps:

1. From the normal time display, press and hold the **MODE** button until the hour digits start flashing.
2. Press the **ADJ** button to adjust the hour.

3. Press the **MODE** button again to move to minute setting, then use**ADJ** to adjust minutes.
4. Continue pressing **MODE** to set other parameters like 12/24 hour format, date (if applicable), and alarm time.
5. Once all settings are complete, press**MODE** one last time or wait for a few seconds for the device to exit setting mode.

Maintenance

- **Cleaning:** Wipe the device gently with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Battery Replacement:** When the display becomes dim or the readings are inconsistent, it's time to replace the batteries. Follow the battery installation steps in the "Setup" section.
- **Storage:** If storing the device for an extended period, remove the batteries to prevent leakage and damage. Store in a cool, dry place.

Troubleshooting

Problem	Possible Cause	Solution
No display or dim display	Batteries are dead or incorrectly installed.	Replace batteries with new AAA batteries, ensuring correct polarity.
Inaccurate temperature/humidity readings	Device placed near heat/cold sources or in direct sunlight/drafts. Sensor obstructed.	Relocate the device to a central area away from extreme temperature fluctuations. Ensure ventilation holes are clear.
Backlight not working	Low battery power. Backlight button not pressed correctly.	Replace batteries. Press the backlight button firmly.
Buttons unresponsive	Temporary software glitch. Low battery.	Remove and reinsert batteries to reset the device. Replace batteries if low.

Specifications

Model Number:	E0828
Brand:	Houdian
Product Dimensions:	8.89 x 7.62 x 2.29 cm; 90 g (approx. 8.9W x 7.6H cm)
Temperature Range:	-50°C to 70°C (-58°F to 158°F)

Temperature Accuracy:	±1°C (±1.8°F)
Humidity Range:	0% RH to 99% RH
Humidity Accuracy:	±5% RH
Measurement Frequency:	Every 10 seconds
Power Source:	2 x AAA Alkaline Batteries (included)
Mounting Type:	Tabletop, Wall Mount



Image: Visual representation of the device's technical specifications.

Warranty and Support

This product is manufactured by Houdian. For any questions, technical support, or warranty claims, please refer to the contact information provided by your retailer or the official Houdian website. Please retain your proof of purchase for warranty purposes.

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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

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Email

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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