Elitech BT-3

Elitech BT-3 Digital Hygrometer Thermometer Instruction Manual

Model: BT-3

INTRODUCTION

This manual provides comprehensive instructions for the Elitech BT-3 Digital Hygrometer Thermometer. This device is designed to accurately monitor both indoor and outdoor temperature, as well as indoor humidity levels, offering essential environmental data for various settings.

PRODUCT FEATURES

- **Digital Thermometer:** Monitors indoor and outdoor temperature in both Fahrenheit (°F) and Celsius (°C). The measuring range is -58°F to +158°F.

- **Humidity Monitor:** Measures indoor relative humidity (RH) within a range of 20% to 99%RH.

- **MAX & MIN Records:** Automatically stores and displays the maximum and minimum recorded values for indoor/outdoor temperature and indoor humidity.

- **Clock Function and Alarming Function:** Features a switchable 12 or 24-hour clock display and a settable alarm time.

- **Three Mounting Options:** Designed for versatility with tabletop, wall-mountable, and magnet-mountable options, allowing convenient placement.

- **Air Comfort Indicator:** Displays the comfort level (DRY/COMFORT/WET) based on current indoor humidity, providing a quick assessment of air conditions.

DEVICE LAYOUT

Figure 1: Front view of the Elitech BT-3 unit, showing the LCD display with indoor/outdoor temperature, time, and humidity readings. Dimensions are indicated as 111mm height, 101mm width, and 23.5mm depth. A "MAX/MIN" button is visible at the bottom.

Figure 2: Rear view of the Elitech BT-3 unit, showing the battery compartment cover and control buttons: MODE, ADJ, CLEAR, RESET, and a °C/°F switch. A keyhole slot for wall mounting is also visible.

Figure 3: Rear view of the Elitech BT-3 unit, illustrating the foldable kickstand for tabletop use and the attached outdoor temperature probe with its long cable.

Figure 4: Close-up view of the open battery compartment on the back of the Elitech BT-3 unit, showing the slot for a AAA battery (not included).

SETUP

Battery Installation

1. Locate the battery compartment cover on the back of the unit (refer to Figure 2).
2. Slide the cover off to open the compartment (refer to Figure 4).
3. Insert one AAA battery, ensuring the correct polarity (+/-) is observed. Note: Battery is not included.
4. Replace the battery compartment cover by sliding it back into place.

Probe Placement

The outdoor temperature probe is connected to the main unit via a long cable. For accurate outdoor temperature readings, place the probe outside in a location that is protected from direct sunlight, rain, and other extreme weather conditions. Ensure the cable is routed safely and does not interfere with windows or doors.

Mounting Options

The BT-3 offers flexible placement options:

- **Tabletop:** Extend the foldable kickstand on the back of the unit (refer to Figure 3) to place it securely on any

flat surface.

- **Wall-Mountable:** Utilize the keyhole slot on the back of the unit (refer to Figure 2) to hang it on a screw or nail on a wall.
- **Magnet-Mountable:** The unit features built-in magnets, allowing it to be conveniently attached to metallic surfaces such as refrigerators or metal cabinets.

OPERATING INSTRUCTIONS

Power On/Off

The unit powers on automatically once the battery is installed. There is no dedicated power button. To turn off, remove the battery.

Temperature Unit Selection (°C/°F)

On the back of the unit, locate the small switch labeled "°C/°F" (refer to Figure 2). Slide this switch to toggle between Celsius and Fahrenheit temperature displays.

Time Setting

1. Press the **MODE** button (on the back) to cycle through display modes until the current time is shown.
2. Press and hold the **MODE** button until the hour digit begins to flash.
3. Use the **ADJ** button (on the back) to adjust the hour.
4. Press **MODE** again to move to the minute digit, then use **ADJ** to adjust the minutes.
5. Continue pressing **MODE** to set the 12-hour (AM/PM) or 24-hour format.
6. Press **MODE** one last time to confirm settings and exit time setting mode.

Alarm Setting

1. Press the **MODE** button until the alarm time is displayed (often indicated by an alarm clock icon).
2. Press and hold the **MODE** button until the alarm hour digit flashes.
3. Use the **ADJ** button to adjust the alarm hour.
4. Press **MODE** again to move to the alarm minute digit, then use **ADJ** to adjust the minutes.
5. Press **MODE** one last time to confirm and exit alarm setting mode.
6. To activate or deactivate the alarm, press the **ADJ** button when the alarm time is displayed. An alarm icon will appear or disappear on the screen to indicate its status.

MAX/MIN Temperature and Humidity Records

Press the **MAX/MIN** button (on the front of the unit) to view the maximum and minimum recorded indoor/outdoor temperatures and indoor humidity values.

- Press the **MAX/MIN** button repeatedly to cycle through the current readings, maximum readings, and minimum readings.
- To clear the MAX/MIN records, press and hold the **CLEAR** button (on the back of the unit) while the MAX/MIN readings are displayed.

Air Comfort Indicator

The display includes an indicator that categorizes the indoor air comfort level based on humidity:

- **DRY:** Indicates that the indoor humidity level is low.
- **COMFORT:** Indicates that the indoor humidity level is within an optimal and comfortable range.
- **WET:** Indicates that the indoor humidity level is high.

MAINTENANCE

- **Cleaning:** Clean the unit with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the unit in water.

- **Battery Replacement:** Replace the AAA battery when the low battery indicator appears on the display to ensure continuous and accurate operation.

- **Probe Care:** Keep the outdoor probe clean and free from dirt, dust, and debris.

- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight, or excessively high humidity for prolonged periods, as this can affect accuracy and lifespan.

TROUBLESHOOTING

Inaccurate Readings

- **Probe Placement:** Ensure the outdoor probe is correctly positioned and not exposed to direct sunlight, heat sources, or moisture, which can skew readings.

- **Stabilization Time:** Allow the unit sufficient time (up to 30 minutes) to stabilize and provide accurate readings after initial setup or if it has been moved to a new environment.

- **Battery Level:** Check the battery level and replace it with a fresh AAA battery if the indicator shows low power.

Display Not Working

- **Battery Check:** Verify that the battery is installed correctly with the proper polarity.

- **Battery Replacement:** Replace the battery with a new AAA battery.

- **Factory Reset:** If the display remains unresponsive, perform a factory reset by pressing the **RESET** button on the back of the unit. This may require a small pointed object like a paperclip.

SPECIFICATIONS

Specification	Detail
Model Number	BT-3
Color	White
Brand	Elitech
Item Weight	0.16 Kilograms (5.6 ounces)
Battery Type	1 C battery required (Alkaline)
Lower Temperature Rating	32 Degrees Fahrenheit
Upper Temperature Rating	122 Degrees Fahrenheit
Mounting Type	Tabletop, Wall Mount
Voltage	1.5 Volts
Temperature Accuracy	0.1°C
Product Dimensions	4.25 x 5.82 x 1.1 inches

WARRANTY AND SUPPORT

Elitech is committed to providing excellent customer service. The product comes with 24/7 US Technician Support available via email and phone.

For warranty claims, technical assistance, or any product-related inquiries, please contact Elitech customer service directly. Refer to the Elitech official website or product packaging for the most current contact information.

ELITECH COMPANY OVERVIEW

This video provides a general overview of Elitech Technology Inc., its vision, and its range of HVAC/R tools and manufacturing capabilities. It is not specific to the BT-3 product operation but offers insight into the brand's commitment to innovation.

Your browser does not support the video tag.

Video 1: Elitech AI HVAC/R Tools Create Green Future - An overview of Elitech's technology and manufacturing.