

CLXEAST TM2227B86-N-AR

CLXEAST 24 Inch LED Self-Illuminated Outdoor Metal Clock

Brand: CLXEAST | **Model:** TM2227B86-N-AR

1. INTRODUCTION AND OVERVIEW

The CLXEAST 24-inch LED Self-Illuminated Outdoor Metal Clock is designed for both indoor and outdoor use, offering precise timekeeping along with integrated temperature and humidity monitoring. Its unique AI smart light sensor technology automatically activates a warm, ambient dial backlight in low-light conditions, ensuring visibility day or night. The clock features a durable, waterproof, and UV-resistant construction, making it an ideal addition to patios, gardens, or any living space.



Figure 1: The CLXEAST outdoor clock, demonstrating its appearance in both daylight and illuminated night modes.

2. KEY FEATURES

- **AI Smart Light Sensor Technology:** Automatically activates dial backlight during dark conditions and shuts off in daylight. Offers three backlight modes: Always On, Always Off, and 4-hour timer.
- **Accurate Timekeeping:** Utilizes a precise Youngtown quartz movement, achieving a daily error rate of +/- 1 second.
- **Integrated Thermometer & Hygrometer:** Measures temperatures from -40°F to 140°F and humidity from 1% to 99% relative humidity. These are adjustable for calibration.
- **Durable Construction:** Features an IP56 waterproof and UV-resistant design with a hand-brushed oil-rubbed bronze finish. Sealed with front and back rubberized gaskets for protection against outdoor elements.
- **Premium Materials:** Constructed with acrylic, glass, and metal for longevity and aesthetic appeal.

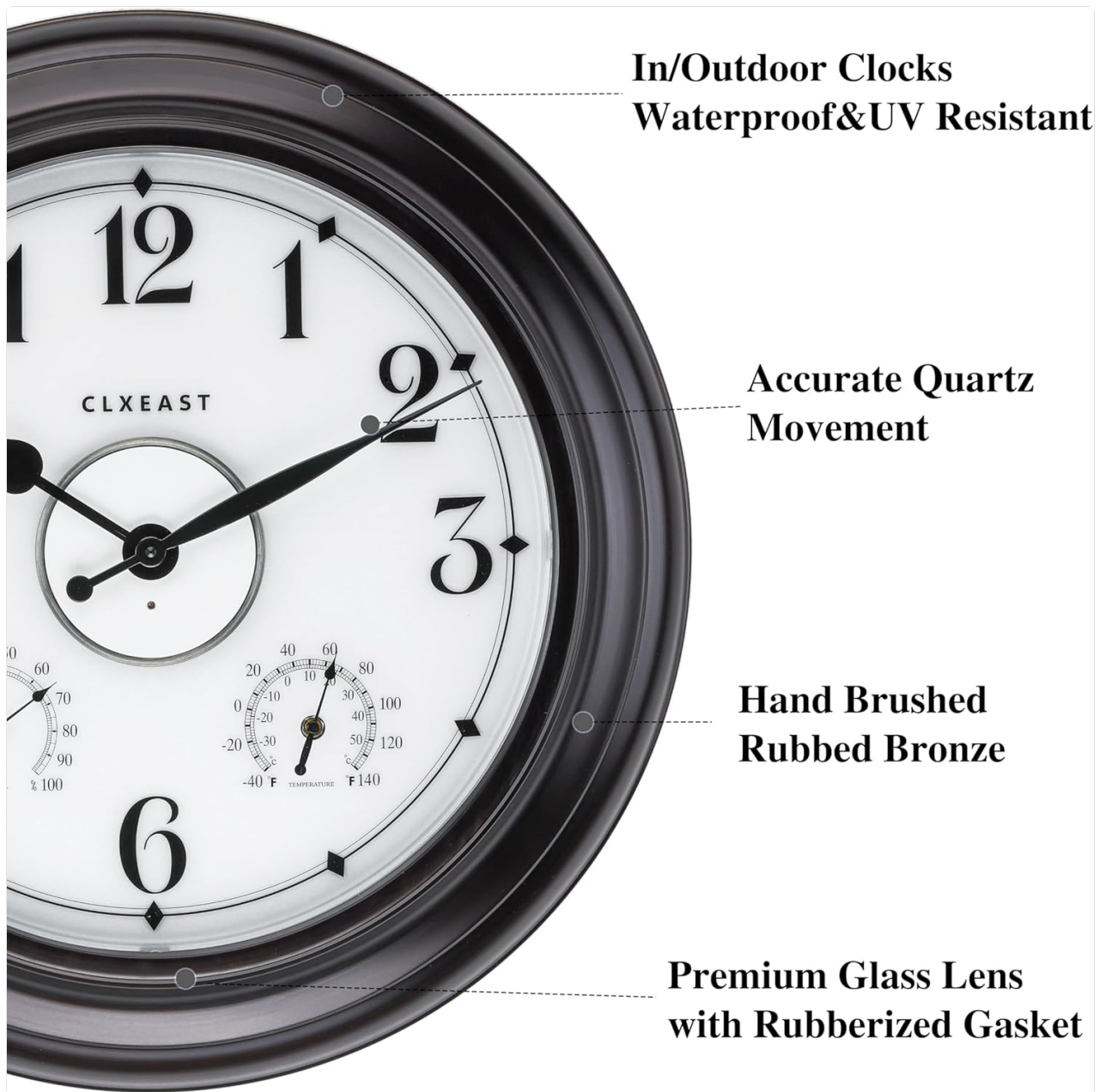


Figure 2: Diagram illustrating the durable and precise features of the clock.



**Humidity readings
from 0%-100% RH**

**Temperature readings
from -40 ° F to 140 ° F**

**A Smart Sensor Detects the Environment
and Automatically turn On/Off Lights
(3 Backlight Modes - Always On, Always Off, 4-hour timed)**

Figure 3: Detailed view of the smart sensor and environmental gauges.

3. SETUP INSTRUCTIONS

3.1 Battery Installation

The clock requires 1 AA battery for the quartz movement and 4 D batteries for the LED night light sensor. Batteries are not included. Ensure correct polarity when inserting batteries.

1. Carefully remove the back cover of the clock.
2. Locate the battery compartments. Insert 4 D-size batteries into the LED light sensor compartments.
3. Insert 1 AA-size battery into the quartz movement compartment.
4. Replace the back cover securely.

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Video 1: Demonstrates the battery installation process for the CLXEAST outdoor clock.

3.2 Initial Calibration of Thermometer & Hygrometer

Allow the thermometer and hygrometer at least 3 hours to fully adjust to the environment where the clock is placed before expecting accurate readings. These gauges are adjustable for calibration if needed.

3.3 Mounting the Clock

The clock is designed for wall mounting. Use appropriate hardware for your wall type to ensure secure installation. Consider placing the clock in a location that is protected from direct, prolonged exposure to extreme heat, sunlight, and constant heavy rain for optimal performance and longevity.



Figure 4: Example of the clock mounted indoors above a fireplace.

4. OPERATING INSTRUCTIONS

4.1 Setting the Time

To set the time, locate the time adjustment knob on the back of the clock's quartz movement. Rotate the knob to move the hands to the correct time.

4.2 Backlight Modes

The LED backlight is controlled by a smart light sensor. There are three modes:

- **Always On:** The backlight remains continuously lit.
- **Always Off:** The backlight remains off.
- **4-hour Timer:** The backlight will activate automatically in dark conditions and stay on for 4 hours before turning off.

Select your preferred mode using the switch located near the D-battery compartments on the back of the clock.



Figure 5: Visual representation of the clock's day and night illumination.

5. MAINTENANCE

- **Cleaning:** Wipe the clock face and frame with a soft, damp cloth. Avoid abrasive cleaners or solvents that may damage the finish or acrylic lens.
- **Battery Replacement:** Replace batteries when the clock stops keeping accurate time or the backlight dims/stops working. It is recommended to replace all D batteries simultaneously for consistent backlight performance. The LED light sensor batteries typically last 6 to 12 months depending on usage and environment.
- **Environmental Protection:** While waterproof and UV resistant, prolonged exposure to extreme weather conditions (e.g., direct, intense sunlight, heavy downpours, or freezing temperatures) can affect the clock's lifespan. Position the clock in a sheltered area if possible.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Clock hands not moving or inaccurate time.	Dead or improperly installed AA battery.	Check and replace the AA battery, ensuring correct polarity.

Problem	Possible Cause	Solution
Backlight not working or dim.	Dead or improperly installed D batteries; incorrect backlight mode selected; insufficient darkness for sensor.	Check and replace D batteries. Verify backlight mode switch setting. Ensure ambient light conditions are dark enough for the sensor to activate.
Inaccurate temperature/humidity readings.	Not enough time for calibration; extreme environmental changes; sensor obstruction.	Allow at least 3 hours for sensors to adjust. Ensure sensors are not obstructed. Calibrate if necessary (refer to product manual for specific calibration steps if available, or contact support).
Condensation inside the clock face.	Extreme temperature fluctuations or high humidity.	Move the clock to a more stable environment. Ensure rubber gaskets are properly sealed. If persistent, contact customer support.

7. SPECIFICATIONS

Attribute	Detail
Brand	CLXEAST
Model Number	TM2227B86-N-AR
Color	Oil Rubbed Bronze&arabic Number
Display Type	Analog
Special Feature	Illuminated Wall Clock with Smart Sensor, Temperature & Humidity Display, Waterproof Weather Station
Product Dimensions	24"W x 24"H
Power Source	Battery Powered (1 AA for clock, 4 D for LED)
Indoor/Outdoor Usage	Indoor, Outdoor
Material	Acrylic, Glass, Metal
Item Weight	8.8 Pounds
Watch Movement	Quartz

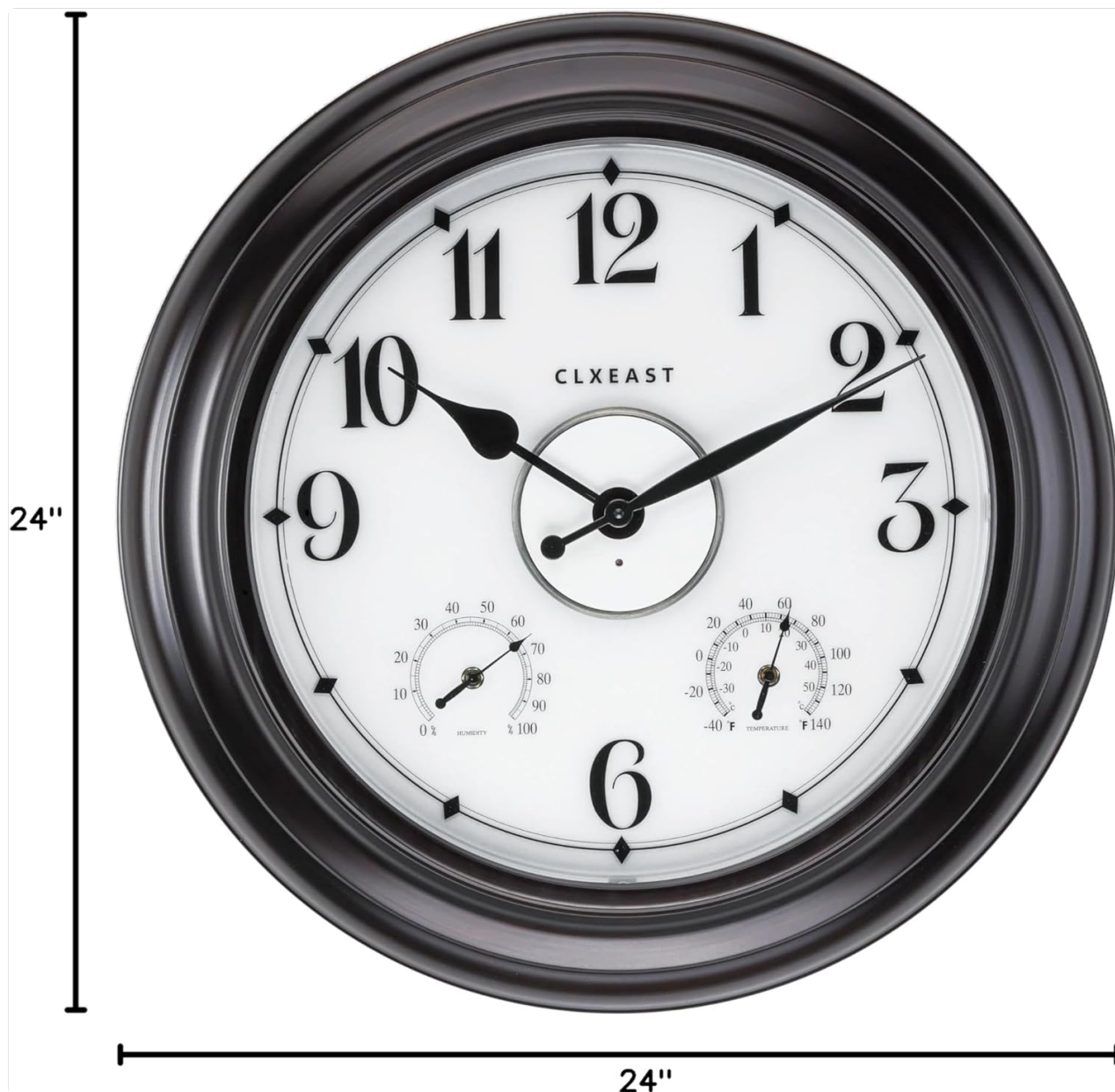


Figure 6: Product dimensions.

8. WARRANTY AND SUPPORT

This CLXEAST product comes with a Limited Warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation included with your purchase or visit the official CLXEAST website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact CLXEAST customer service. You can find contact information on the CLXEAST brand store page or through your retailer.

Visit the official CLXEAST Store for more products and information: [CLXEAST Store](#)