

**Honeywell**  
**Jumbo Weather Clock**  
**with Wireless**  
**Indoor/Outdoor**  
**Thermometer**

USER MANUAL

(RCW33W)

## **INTRODUCTION**

Thank you for selecting the Honeywell Jumbo Weather Clock with Wireless Indoor/Outdoor Thermometer.

This device includes weather forecast with pressure trend, precise time keeping and temperature monitoring features that you can use from the comfort of your home. In this package you will find:

- Main unit (receiver)
- Remote sensor (transmitter) TS13

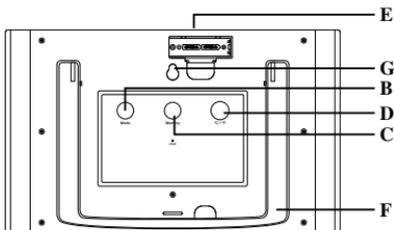
Please keep this manual handy as you use your new item. It contains practical step-by-step instructions, as well as technical specifications and precautions you should know.

## **PRODUCT OVERVIEW**

### **MAIN UNIT**

#### **FEATURES**

- Jumbo LCD display
- Wireless sensor transmits temperature to the main unit from up to 100 feet away
- Indoor and Remote Temperature display
- Weather forecast in 5 large graphic icons: Sunny, Partly Cloudy, Cloudy, Light Rain and Heavy Rain
- Precise time and date set via RF signal from the US Atomic Clock
- Calendar displays date with month
- Weekday displayed in English, Spanish, French, German or Italian
- Wall mount or desktop option



**A WEATHER CLOCK IN TWO - LINE LCD DISPLAY**

Shows the weather forecast with trend, indoor/outdoor temperature and calendar clock.

**B MODE BUTTON**

- 1). Toggles between 2 display modes: SECONDS setting and WEEKDAY.
- 2). Sets the year, date and time.

**C “UP” BUTTON**

- 1). Increases the setting.
- 2). Enables Atomic Clock.
- 3). Enables Time Zone selection.

**D “DOWN” BUTTON**

- 1). Decreases the setting.
- 2). Enables remote sensor signal search.

**E BATTERY COMPARTMENTS**

Accommodates 2 (two) UM-3 or AA 1.5V alkaline batteries.

**F UNFOLDING TABLE STAND**

Holds unit in upright position.

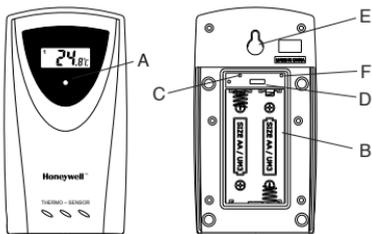
**G WALL-MOUNT RECESSED HOLE**

Allows mounting unit on the wall.

## REMOTE SENSOR

### FEATURES

- Remote temperature transmission to the main unit via 433 MHz signal
- Case can be wall mounted using built-in hanger
- 100 feet transmission range without interference
- LCD display of measured temperature
- Temperature display unit (C° or F°) selection
- Transmission channel selection



### A LED INDICATOR

- 1). Flashes once when the remote sensor transmits the reading to the main unit.
- 2). Flashes twice indicating low battery.

### B BATTERY COMPARTMENT

Holds two AA-size batteries.

### C RESET

Resets all previous settings.

### D CHANNEL SWITCH

Selects the desired channel.

### E WALL-MOUNT RECESSED HOLE

Keeps the remote sensor on the wall.

### F °C/°F SWITCH

Selects the temperature display in Fahrenheit or Celsius.

## BEFORE YOU BEGIN

1. We recommend using alkaline batteries for the main unit and remote sensor.
2. Avoid using rechargeable batteries.
3. Insert batteries before first use, matching the polarity as shown in the battery compartment.
4. Always install batteries in the remote sensor before the main unit.
5. Press RESET after each battery change, using a paper clip or similar tool.
6. During an initial setup, place the main unit as close as possible to the remote sensor.
7. After reception is established (remote temperature will appear on the receiver's display), position the remote sensor and main unit within the effective transmission range of 100 feet.

### NOTE:

1. Avoid setting the time and date on the main unit before the outdoor temperature is displayed.
2. The effective operating range may be influenced by the surrounding building materials and how the receiver and transmitter are positioned.
3. Position the remote sensor so that it faces the main unit (receiver), minimizing obstructions such as doors, walls, and furniture.
4. Though the remote sensor is weather-resistant, it should be placed away from direct sunlight, rain or snow.

## BATTERY INSTALLATION REMOTE SENSOR

NOTE: Install the batteries; select the channel and type of temperature (°C/°F) before you mount the sensor.

1. Remove the screws from the battery compartment with a small Phillips screwdriver.
2. Set the channel. The switch is located in the battery compartment. Channel 1 is typically selected if only one remote sensor is being used.
3. If you are using more than one sensor, select a different channel for each sensor.
4. Install two "AA" size alkaline batteries (not included) matching to the polarities shown in the battery compartment.
5. Replace the battery compartment door and secure the screws.
6. Secure the remote sensor in the desired location.

## BATTERY INSTALLATION: MAIN UNIT

1. Open the battery compartment door.
2. Install two batteries (UM-3 or "AA" size 1.5V) matching the polarity as shown in the battery compartment.
3. Replace the battery compartment door.

## LOW BATTERY WARNING

A low-battery indicator [  ] will appear on the indoor or outdoor temperature reading line of the main unit warning that the corresponding sensor's batteries have to be replaced.

## HOW TO USE THE TABLE STAND

The main unit has an unfolding table stand on the back, that supports it on the flat surface. The main unit can also be mounted on the wall using the recessed screw hole. The stand must be removed prior to mounting. The remote sensor can be similarly mounted or placed on a flat surface.

## GETTING STARTED

After batteries are installed, remote sensors will transmit temperature readings at 45 second intervals. The main unit may take up to 2 (two) minutes to receive the initial readings. Upon successful reception, remote temperature will be displayed. Then the main unit will automatically update readings at 45-second intervals.

If no signals are received from the remote sensor within (2) two minutes, dashes " --- " will be displayed. Press and hold [DOWN] button on the main unit for 2 seconds to initiate another signal search.

## CHECKING REMOTE AND INDOOR TEMPERATURES

The wave icon on the main unit located near the remote sensor reading line indicates a good reception from the remote sensor. If the temperature goes above or below the temperature operating range stated in specifications, the display will show dashes " --- ".

### READING THE KINETIC WAVE DISPLAY

The kinetic wave display shows the main unit (receiver) signal reception strength.

The unit is in searching mode	
Temperature readings are securely registered.	
No signals.	

### WWVB RADIO CONTROLLED TIME

The NIST (National Institute of Standards and Technology) radio station is located in Ft. Collins Colorado. It transmits an exact time signal continuously throughout the continental United States at 60 KHz frequency. The Jumbo Weather Clock with Wireless Indoor/Outdoor Thermometer can receive this WWVB signal through its internal antenna from up to 2,000 miles away. Due to the nature of the Earth's ionosphere, reception can be limited during the daylight hours. The radio controlled clock will search for an alternate station that derives its signal from the NIST Atomic clock in Boulder, Colorado.

The WWVB tower icon on the main unit's display will flash indicating radio signal reception from the WWVB station. If the tower icon is not fully lit, or if the time is not set automatically, please consider the following:

- \* During night-time hours, atmospheric disturbances are typically less severe and reception may improve. A single daily reception is sufficient enough to keep the accuracy reading within 1 second.
- \* Make sure the main unit is positioned at 8 feet minimum distance from any interference source such as a TV, computer monitor, microwave, etc. The successful reception of the atomic time signal depends on the positioning and location of the clock. Always place the main unit by the window for better reception.
- \* Within concrete wall rooms such as basements or office buildings, the received signal may be weakened. Always place the unit near the window.

### OUTDOOR TEMPERATURE TREND

The temperature trend indicator shows the trend of temperatures collected at particular remote sight. There are three trends will be shown: rising, steady, and falling.

### WEATHER FORECAST

The weather station is capable of detecting pressure changes. Based on collected data, it forecasts the weather for the next 12 to 24 hours.

When the display shows...					
Forecast is...	Sunny	Partly Cloudy	Cloudy	Light Rain	Heavy Rain

### NOTE:

1. The weather forecast accuracy is approximately 70%.
2. Display shows forecasted, not current conditions.
3. The "Sunny" icon indicates clear weather, even when displayed during night-time.

### BAROMETRIC PRESSURE

The barometric pressure arrows indicate if pressure is rising, steady, or falling.

Arrow indicator			
Pressure Trend	Rising	Steady	Falling

### LOST COMMUNICATION

If the main unit display for the remote sensor goes blank, press and hold [DOWN] button for 2 seconds to begin a new signal search. If the signal still isn't received, please make sure that:

1. The remote sensor is in the proper location.
2. The distance between the main and remote units is not over 100 feet.

3. The path between units is clear of obstacles. Shorten the distance between units if necessary.
4. Fresh batteries are installed correctly in both remote sensor and main unit.

Note: When the temperature falls below freezing, the batteries in outdoor remote sensor may have reduced voltage supply and a shorter effective range. We recommend to *Use lithium-ion batteries at the temperatures below 32°F*

If everything listed above is in order and there is no reception anyway, please perform the following steps:

1. Bring main unit and remote sensor close together.
2. Remove 4 small screws from the back of the remote sensor and open the battery compartment.
3. Remove the batteries from the battery compartment and reinstall them in the same manner. Remote sensor LED indicator will flash showing transmission of the signal.
4. Remove the batteries from the main unit and reinstall them in the same manner.
5. On the main unit select the same channel number as set on the remote sensor. Outdoor temperature on the display will show that transmission is being received successfully.

#### TRANSMISSION COLLISION

Signals from other household devices, such as doorbells, home security systems, and entry controls, may interfere with this product and may cause temporary reception failure. This is normal and will not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference subsides.

#### ATOMIC CLOCK

1. After the main unit receives temperature and humidity readings from the remote sensor(s), the WWVB time signal receiver will automatically search for the time signal. This takes about 5-8 minutes. Always place the main unit by the window for better reception.
2. If the radio signal is received, the date and time will be set automatically, and the [🕒] icon will appear.

3. If after 8 minutes the time signal has not been received, press the “**MODE**” button to set the time manually. The clock will continue to search for the WWVB time signal daily from 1:00 am to 4:30 am. When the signal has been successfully received, the time and date will be updated automatically.

#### SETTING CLOCK MANUALLY

##### TIME ZONE

1. Press **MODE** button selecting the HOUR/ MINUTE/ DAY OF THE WEEK display mode.
2. Set the time zone by pressing and holding the “UP” button for 2 seconds.
3. Keep holding until the desired time zone (Pacific, Mountain, Central or Eastern) is selected on the display map.

##### YEAR, DATE, TIME, TEMPERATURE UNIT

Press and hold **MODE** for 3 seconds: the year will flash. Press **UP** or **DOWN** to change the flashing digits. After the first value is set, press **MODE** again. Continue setting month, date, 12 or 24 hour time format, day, hour, minutes, weekday language, and Fahrenheit or Celsius display. When you've set the last value, press **MODE** for the last time to return to regular mode.

##### PRECAUTIONS

This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:

1. Do not immerse the units in water.
2. Do not clean the units with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
3. Do not subject the product to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
4. Do not tamper with the units' internal components. Doing so will invalidate the warranty and may cause damage. These units contain no user-serviceable parts.
5. Use only fresh batteries. Do not mix new and old batteries.
6. Read the user's manual thoroughly before operating the units.

## SPECIFICATIONS

### *Temperature Measurement*

#### *Main unit*

Indoor Temperature	
Proposed operating range	: -5.0°C to +50.0°C / 23.0°F to 122.0°F
Temperature resolution	: 0.1°C/ 0.2°F

#### *Remote Sensor*

Proposed operating range with alkaline batteries	: -20°C to + 70°C / -4°F to 158°F
Proposed operating range with lithium batteries	: - 38°F to 158°F ( -38.8 C° to 70°C)
Temperature resolution	: 0.1°C/ 0.2°F

RF Transmission Frequency	: 433 MHz
Maximum number of Remote sensors	: 1
RF Transmission Range	: Maximum 100 feet
Temperature sampling cycle	: approximately 45 seconds

### *Calendar and Clock*

12/24 hour display in hh : mm format	
Date Format : Month – Day format	
Day of week : User-selectable in 5 languages (English, Spanish, French, German, Italian)	

### *Power*

Main unit	: 2 AA batteries alkaline suggested (not included)
Remote Sensor	: 2 AA batteries alkaline suggested (not included)
lithium batteries are suggested at low temperatures	

### *Dimensions*

Main unit	: 11.18(L) x 6.77(H) x 1.26(D) inches
Remote sensor	: 2.37(L) x 4(H) x 1(D) inches

## FCC STATEMENT

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received,  
including interference that may cause undesired operation.

Warning: Changes or modification to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment had been tested and found to comply with the limits for a Class B Digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio / TV technician for help.

## DECLARATION OF CONFORMITY

We

Name: Hideki Electronics, Inc.  
Address: 7865 SW Mohawk, Tualatin, OR 97062  
Telephone No.: 1-503-612-8395

declare that the product

Product No.: RCW33W  
Product Name: Jumbo Weather Clock with Wireless  
Indoor/ Outdoor Thermometer  
Manufacturer: Hideki Electronics Ltd.  
Address: Unit 2304-06, 23/F Riley House, 88 Lei Muk Road,  
Kwai Chung, New Territories, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.  
This device must accept any interference received, including interference that may cause undesired operation.

The information above is not to be used as contact for support or sales. Please call our customer service hotline (refer to the warranty statement) for all inquiries instead.

## STANDARD WARRANTY INFORMATION

This product is warranted from the manufacturing defects for one year from date of retail purchase. It does not cover damages or wear resulting from accident, misuse, abuse, commercial use, or unauthorized adjustment and repair.

Note that online product registration is required to ensure valid warranty protection.

To register your product, go to our Company website at: [www.hidekielectronics.us](http://www.hidekielectronics.us). Click Online Product Registration under the Customer Service menu.

Should you require assistance with this product and its operation, please contact our Customer Service Hotline 1(866) 443 3543

Please direct all returns to the place of the original purchase.

Should this not be possible, contact Customer Service Hotline for assistance and to obtain a Return Merchandise Authorization (RMA). Returns without a return authorization will be refused. Please retain your original receipt as you may be asked to provide a copy for proof of purchase.

Hideki Electronics, Inc. reserves the right to repair or replace the product at our option.

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