

# Honeywell

## Atomic Projection Clock with Temperature

(PCR11ELW)  
USER MANUAL

### INTRODUCTION

Thank you for selecting the Honeywell Atomic Projection Clock with Temperature. This device includes precise time keeping, alarm, moonphase, temperature monitoring and projection features that you can use from the comfort of your home.

In this package you will find:

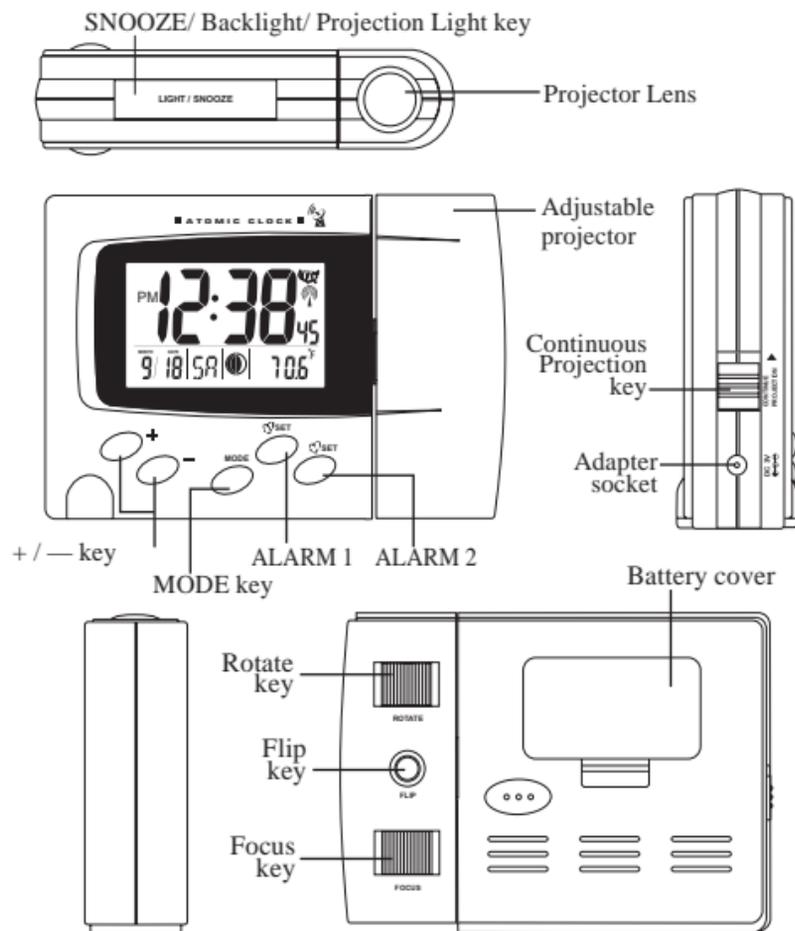
¥ Atomic Projection Clock with Temperature

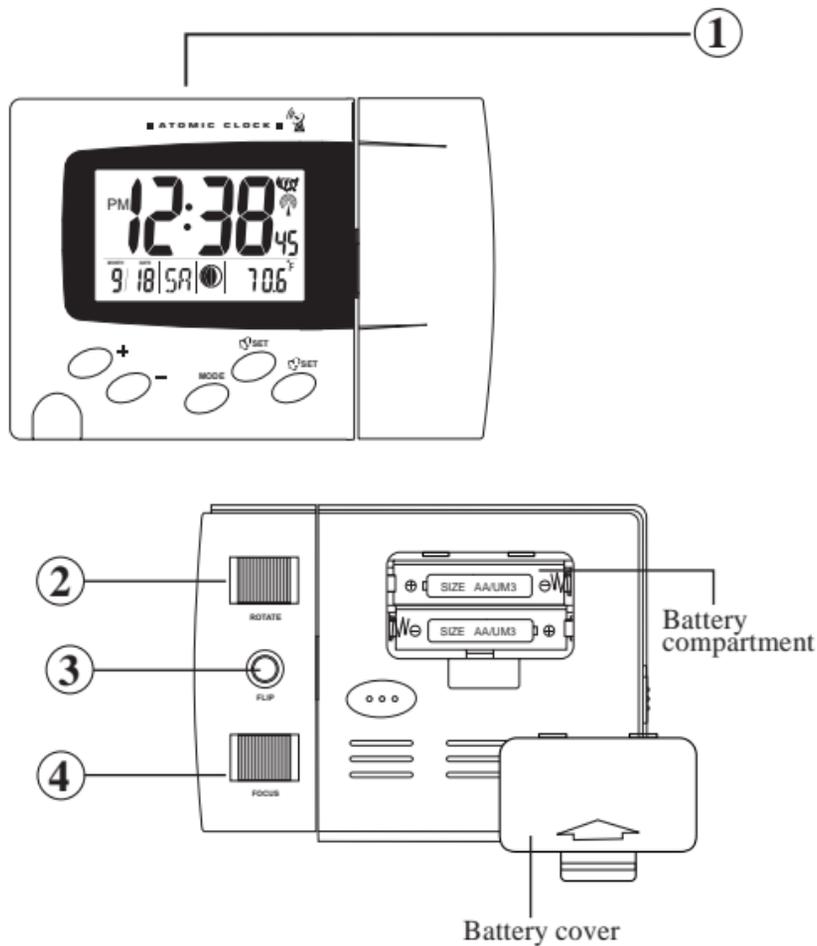
¥ AC/DC adaptor

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.

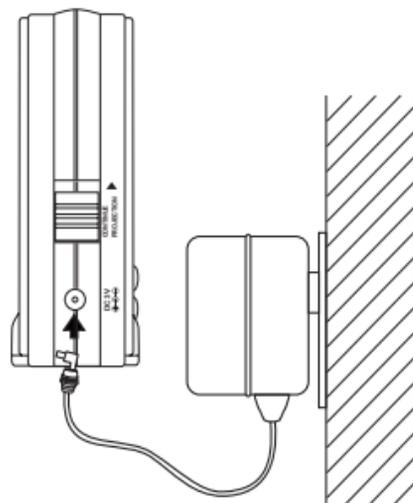
## FEATURES

- \* Current time image is projected onto the wall or ceiling in bright red digits.
- \* Precise time and date are set via RF signal from the US Atomic Clock in Colorado.
- \* US map with designated Time Zones
- \* Projected image rotation, flip and focus control
- \* Calendar displays date with month
- \* Weekday in English, Spanish and French
- \* Indoor temperature
- \* Moon phase display
- \* Dual crescendo alarm with snooze
- \* Blue backlight





**DISPLAYING PROJECTED INFORMATION CONTINUOUSLY**  
**Connect AC/DC adapter as shown below.**



Use 2 X AA, 1.5V batteries and AC-DC adapter (AC120V, 60Hz-DC3V, 100mA) included.

**Important:**

Please make sure your household voltage matches the voltage supported by the adapter, or it will damage your clock and adapter.

## ATOMIC TIME AND WWVB SIGNAL

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 Atomic Projection Clock with Temperature 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 be improved. A single daily reception is sufficient enough to keep the clock 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.

INDICATOR	STANDING FOR	INDICATOR	STANDING FOR
	RADIO SIGNAL	Z'	REPEAT ALARM INDICATION
DATE	DATE	MONTH	MONTH
	TIME ZONES		MOONPHASE
PM	PM (12 HR DISPLAY ONLY)	°C	DEGREE CELSIUS
AM	AM (12 HR DISPLAY ONLY)	°F	DEGREE FAHRENHEIT
	ALARM 1		ALARM 2

## GETTING STARTED

- \* After batteries are installed, the WWVB time signal receiver will automatically search for the time signal. This will take about 5 – 8 minutes.
- Always place clock by the window for better reception.



- \* If the radio signal is received, the date and time will be set automatically and the icon  will appear.



- \* 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 1:00am to 4:30am. When the signal has been successfully received, the time and date will be updated automatically.

## DISPLAYING TEMPERATURE AND ALARMS

\*Press **MODE** to display the ALARM 1 time:



\*Press **MODE** again to display the Alarm 2 time:



\*Press **MODE** the third time to display the Temperature:



## SETTING TIME AND DATE MANUALLY

The time piece date and time can be set by pressing and holding the **MODE** buttons for 3 seconds in Time/Temperature display with the atomic time receiver disabled. To disable atomic time receiver, press and hold [ — ] key until the atomic reception icon will appear from the display.

### Setting the Time

\*Press **MODE** : the year digits will flash and year can be set by pressing **UP** [+] or **DOWN** [—] key.



\*Press **MODE** again: the month digits will flash and month can be set by pressing **UP** [+] or **DOWN** [—] key.



\*Press **MODE** again : the date digits will flash and date can be set by pressing **UP** [+] or **DOWN** [—] key.



\*Press **MODE** again : the hour digits will flash and hour can be set by pressing **UP** [+] or **DOWN** [—] key.



\*Press **MODE** again : the minute digits will flash and minute can be set by pressing **UP** [+] or **DOWN** [—] key.



\*Press **MODE** again : the temperature display between Celsius or Fahrenheit will flash and measurement unit can be set by pressing **UP** [+] or **DOWN** [—] key.



\*Press **MODE** one last time: the normal time display appears.



## SETTING 12 OR 24 HOUR TIME FORMAT

\*Pressing "+" will display time in 12 or 24 hour format.

N.B.:1. If no key pressed within 30 seconds, the clock returns to the

Time / Temperature Display setting.

2. During any programming press and hold **UP** [+] or **DOWN** [-]

key for 2 seconds for faster scrolling through the digits.

## Calendar

To change the weekday display from one language to another, press

and hold **DOWN** [-] key for 3 seconds - the display will show the

current language ① "EN" for English → ② "SP" for Spanish

→ ③ "FR" for French

To set weekday on another language, press & Hold **DOWN** key for

2 seconds.

## SETTING ALARMS

### ALARM 1 setting

-In the ALARM 1 Display:

\*Press and hold **SET 1** for about 3 seconds: the alarm hour digits will

flash and then hour can be set by pressing **UP** [+] or **DOWN** [-] key.

\*Press **SET 1** again: the alarm minute digits will flash and then minute

can be set by pressing **UP** [+] or **DOWN** [-] key.

\*Press **SET 1** the third time, and the alarm minute digits "04" will flash

to set snooze time interval. Press **UP** [+] or **DOWN** [-] key. key to set

the required time period.

\*Press **SET 1** again, the Alarm1 time is set and [🔔] icon will be displayed.

### ALARM 2 setting

-In the ALARM 2 Display,

\*Press and hold **SET 2** for about 3 seconds: the alarm hour digits will

flash and alarm hour can be set by pressing **UP** [+] or **DOWN** [-] key.

\*Press **SET 2** again: the alarm minute digits will flash and minute

can be set by pressing **UP** [+] or **DOWN** [-] key.

\*Press **SET 2** for the third time, the alarm minute digits "04" will

flash to set snooze time interval. Press **UP** [+] or **DOWN** [-] key to

set the required time period.

\*Press **SET 2** again, the Alarm 2 time is set and the [🔔] icon will

turn on.

### Enable Alarm 1/Alarm 2:

\*Press **SET 1** to enable ALARM 1 with

[🔔] icon to enabled.

\*Press **SET 2** to enable ALARM 2 with

[🔔] icon to turned on.



## Activating the Alarm

When the **ALARM 1** or **ALARM 2** is ringing, the relative alarm icon [🔔] or [🔔] will be flashing.

- \* Press **SET1 / SET2** key to turn the alarm off.
- \* Press button ① - alarm stops and the backlight will turn on for 5 seconds
- with the repeat alarm indicator (⌘) flashing.
- \* If the alarm is not turned off, it will stop in 4 minutes.

## Time Zone setting

- \* Press and hold **UP (+)** key for 3 seconds, to select the corresponding
- time zone.
- \* Keep holding the **UP (+)** button to switch to the time zone in
- the following sequence:
- Pacific time → Mountain time → Central time → Eastern time.
- Press **MODE** to confirm the selected Time Zone

## EL Backlight ON / OFF (PCR11ELW)

- \* Press top button ① [**LIGHT / SNOOZE**] key-light and EL
- backlight will come on and turns off after 5 seconds.

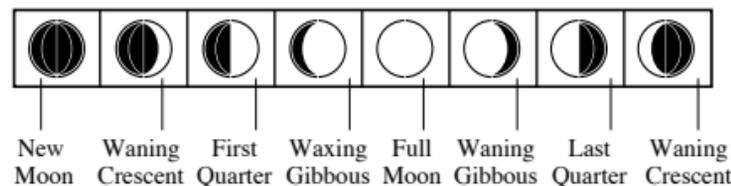
## Projection Light and Adjustment

- \* Press button ① [**LIGHT / SNOOZE**]- projection light will come on
- and turn off after 5 seconds.
- \* After adapter is connected and "**CONTINUE - PROJECTION**"
- button is pressed, the projection light will be enabled for continuous
- projection.

- \* Turn the ④ [**FOCUS**] key knob to adjust the focus of projected image.
- \* Press ③ [**FLIP**] key to rotate the projection image 180° clockwise.
- \* Turn the ② [**ROTATE**] key knob to rotate the image manually.

## MOON PHASE INDICATOR

Displayed in accordance with the calendar



## CARE OF YOUR ATOMIC PROJECTION CLOCK WITH TEMPERATURE

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

1. Do not immerse the unit in water.
2. Do not use any corrosive cleanser or chemical solution on the unit.
- They may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive force, shock, dust,
- temperature or humidity, which may result in malfunction,
- shorter electronic life span, damaged batteries and distorted parts.
4. Do not tamper with the unit's internal components. Doing
- so will invalidate the warranty on the unit and may cause
- unnecessary damage. The unit contains no user-serviceable parts.

5. Only use fresh batteries as specified in the user's manual.
  - Do not mix new and old batteries as the old ones may leak.
  - Always replace both batteries at the same time.
6. Always read the user's manual thoroughly before operating the unit.
7. Replace the batteries promptly when necessary (display becomes
  - dim) or store the batteries when not in use.
8. A soft cloth or paper towel may be used to clean your unit.
9. Keep the unit clean and dry to avoid any problems.

## SPECIFICATIONS

### Temperature Measurement

- |                          |                          |  |
|--------------------------|--------------------------|--|
| Indoor Temperature       | <input type="checkbox"/> | : <input type="checkbox"/> 23°F to +122°F with |
| operating range          | <input type="checkbox"/> | <input type="checkbox"/> 0.2°F resolution      |
|                          | <input type="checkbox"/> | <input type="checkbox"/> 5°C to 50°C with      |
|                          | <input type="checkbox"/> | <input type="checkbox"/> 0.1°C resolution      |
| Temperature display unit | <input type="checkbox"/> | : <input type="checkbox"/> C or °F             |

### Temperature update interval

- |                    |                          |                    |
|--------------------|--------------------------|--------------------|
| Indoor Temperature | <input type="checkbox"/> | : every 15 seconds |
|--------------------|--------------------------|--------------------|

### Calendar and Clock

- 12/24 hour display in hh : mm format
- Date Format: Month – Day format
- Day of week: User- selectable in 3 languages  
(English, French, Spanish)
- Dual 4-minute crescendo alarm with snooze

### Moon Phase Indicator

Moon Phase in 8 graphic icons

Moon Phase scanner from 200 to 2099

Moon Phase history for the last 39 days

### Power source

(Alkaline batteries recommended)

Main unit

AC/DC Adapter

Dimensions:

:  x UM-3 /AA (1.5V)

batteries-alkaline alkaline

(not included)

:  AC120V, 60Hz-DC3A, 100mA

:  5.6"(L) x 4.05"(H) x 1.31"(W) /

41mm(L) x 102mm(H) x 33mm(W)

## **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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