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Honeywell

RN507 & PRC507W

Public Alert Atomic Clock Radio

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(PCR507 shown)

USER MANUAL
Version Date: July 13, 2007

INTRODUCTION

Thank you for selecting the Honeywell Public Alert Atomic Clock Radio. This product combines a Public Alert Weather Radio and an Atomic Projection Clock (PCR507W) with FM Radio. The **Weather Radio** (National Weather Radio) operates at a **NWR** (National Weather Radio) frequencies and can receive **NOAA** (National Oceanic and Atmospheric Association) messages advising or warning you about the hazardous weather and other events within a 40-mile radius.

The FM band range of the **Atomic Clock with FM Radio** is from 87.5 to 108.1 MHz and (PCR507) projects precise atomic time and indoor temperature onto the wall or the ceiling.

In this package you will find:

- One Public Alert Clock Radio
- One 9v AC/DC adapter
- One User Manual

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 FEATURES:

Weather Radio

- NOAA SAME technology
- Public alert certified device
- AC/DC adapter included for operation

FM Radio

- FM radio station auto-tuning
- Memory storage of 18 preset radio stations
- Sleeping timer setting
- Radio alarm

Atomic Clock

- Precise time and date set via RF signals from the US Atomic Clock
- Indoor temperature
- Projects atomic time and indoor temperature on to the ceiling or the wall (PRC507W)
- Focus adjustment (PRC507W)
- Control image with 180° rotation or flip (PRC507W)
- Calendar displaying date with month and day in English, Spanish or French
- 12 or 24 hour time format
- Dual crescendo time alarm with programmable snooze
- Temperature unit selection in Fahrenheit or Celsius
- Blue backlight
- AC/DC adapter included. Required for weather radio & continuous projection (PRC507W)

BATTERY INSTALLATION

- Open the battery compartment door
- Install 6 batteries (UM-3 or “AA” size 1.5V) matching the polarity as shown in the battery compartment.
- We recommend using alkaline batteries
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements).
- Replace the battery compartment door.

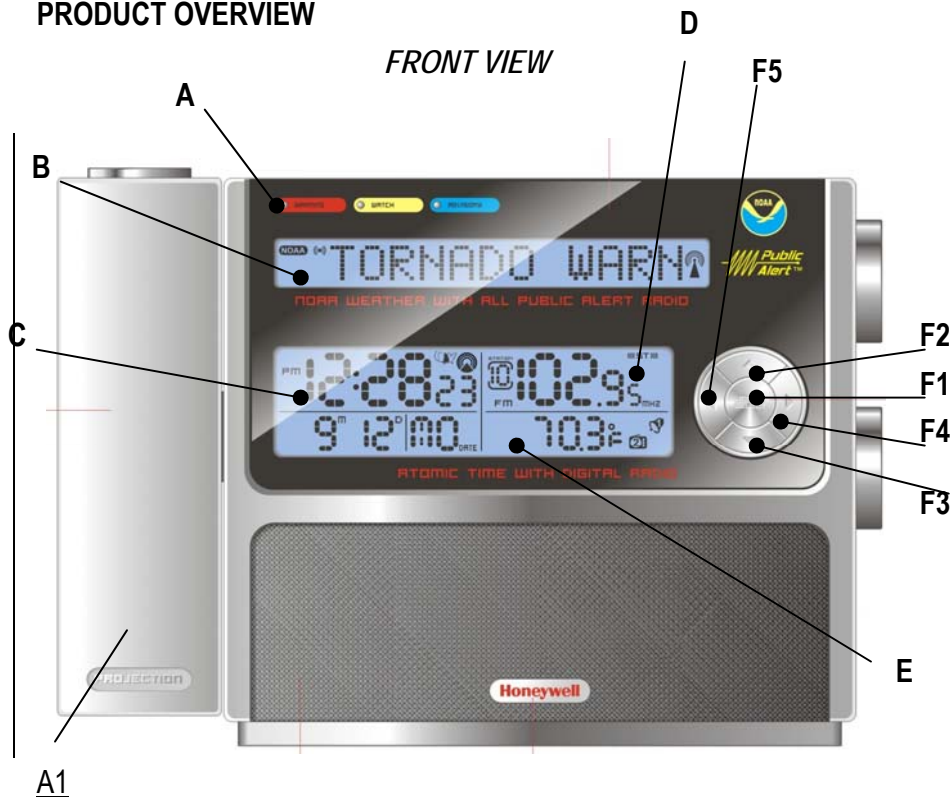
- Connect 9V AC/DC adapter provided to the main display unit and plug into the power outlet.

NOTE: The Weather Radio segment operates at frequency band from 162.400MHz to 162.500MHz and requires AC/ DC adapter connected at all times. Emergency situations where power is not available to maximize operation with batteries, turn the FM radio OFF. Maximum operational period on batteries only, is typically 72 hours.

NOTE: Continuous projection requires the AC/ DC adapter.

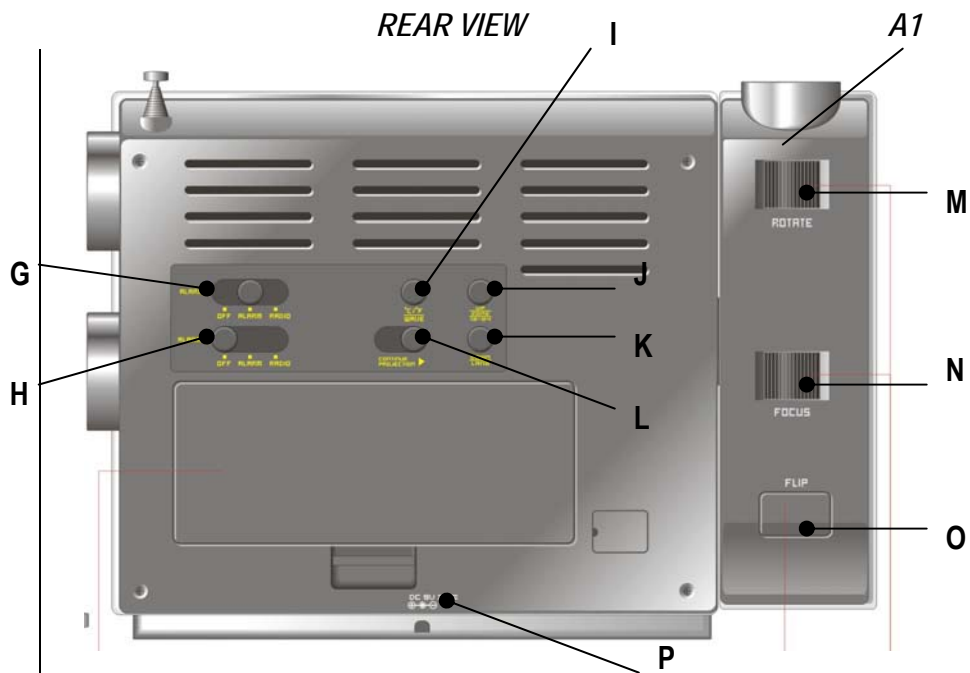
PRODUCT OVERVIEW

FRONT VIEW



WATCH, ADVISORY	- Flash for 60 seconds when alert is received
A1. Projection Clock (PCR507 Only)	- Projects atomic clock time on to wall or ceiling
B. WEATHER RADIO DISPLAY	- Reflects Weather Radio modes selection and radio signal reception status
C. TIME & CALENDAR WINDOW	- Displays time with seconds and US map - Displays month, date and day of the week abbreviation
D. DIGITAL RADIO WINDOW	- Displays a maximum of 18 FM radio stations at the corresponding band and channel
E. TEMPERATURE AND ALARM WINDOW	- Displays indoor temperature and alarms
F1. MENU/SELECT	- Weather Radio Control. Toggles between auto and manual radio modes - Allows programming all radio modes
F2. UP	- Weather Radio Control. Selects the next or following mode
F3. DOWN	- Weather Radio Control. Selects the previous mode
F4. RIGHT	- Weather Radio Control. Allows displaying and changing FIPS codes
F5. LEFT	- Weather Radio Control. Exits from the programming mode

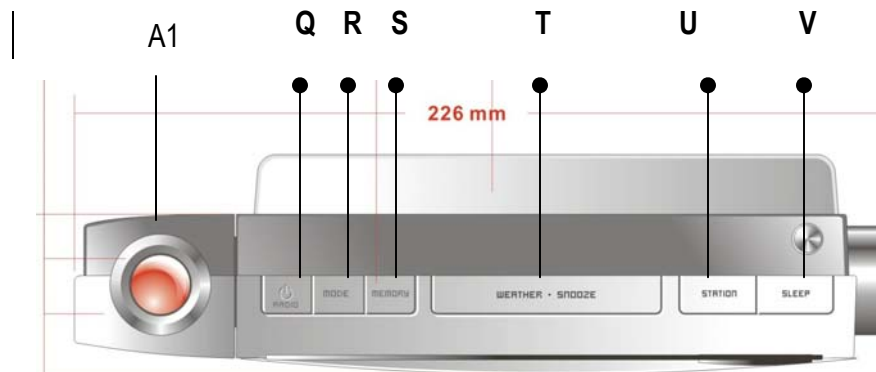
A. WARNING,	- Weather Radio events indicators – Warning (Red), Watch (Orange) and Advisory (Yellow)
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G. ALARM 1	- Activates or deactivates alarm 1 - Selection of radio sound or beep sound
H. ALARM 2	- Activates or deactivates alarm 1 - Selection of radio sound or beep sound
I. °C/°F & WAVE BUTTON	- Toggles between degree C/ degree F - Enforces atomic time reception
J. UP/ ZONE/ 12-24 BUTTON	- Increases all function parameters - Allows toggling between 12 and 24 hour time format - Activates US Time Zone selection
K. DOWN/ LANG BUTTON	- Decreases all function parameters - Activates a language selection mode for the day of the week
L. CONTINUOUS PROJECTION	- Activates a continuous projection of the time or indoor temperature (PCR507W)
M. ROTATE KNOB	- Allows rotating of the projected image

(PCR507W)	clockwise or anticlockwise
N. FOCUS KNOB (PCR507W)	- Allows adjusting the projected image sharpness
O. FLIP BUTTON (PCR507W)	- Flips the projected image 180° degrees - Activates a rotation between projected time and indoor temperature
P. AC/ DC ADAPTOR INPUT	- Allows connecting clock with the power outlet through the AC adapter provided

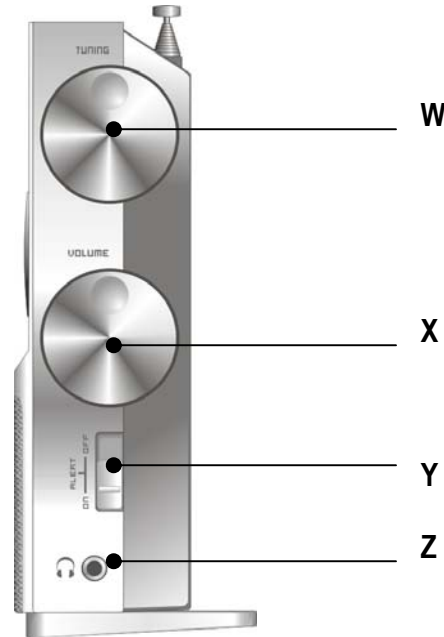
TOP VIEW



Q. RADIO BUTTON	- Turning on or off the radio
R. MODE BUTTON	- Toggles between Alarm 1, Alarm 2 and indoor temperature - Manual time setting
S. MEMORY BUTTON	- Stores favorite radio stations in 18 memory locations
T. WEATHER/ SNOOZE BUTTON	- Activates Weather Radio audio for listening to the broadcast - Activates backlight for 5 seconds and snooze function

U. STATION BUTTON	- Toggles among the 18 preset radio station and radio station program setting
V. SLEEP BUTTON	- Sleeping mode setting

SIDE VIEW



W. VOLUME KNOB	- Selection of the desired sound volume
X. TUNING KNOB	- Selection of the desired frequency
Y. ALERT ON/ OFF SLIDE SWITCH	- Enables or disables audible Weather Radio alerts
Z. HEADPHONE JACK	- Jack for headphone or auxiliary/volume speaker

OPERATION

Once the unit is powered, it will show all available LCD display segments. The **Weather Radio** display line will remain blank for 2 seconds. Then, **SIGNAL LOSS** statement with RF reception icon will appear and radio

will start scanning through all 7 NOAA channels. If the reception is successful, it will detect and lock on the available channel.

WEATHER RADIO

ABOUT THE NATIONAL WEATHER RADIO SYSTEM

The National Weather Service (**NWS**) is a government agency within the National Oceanic and Atmospheric Administration (**NOAA**) that operates the nationwide radio network known as NOAA Weather Radio (**NWR**). NWR is a nationwide radio stations network continuously broadcasting information about all types of hazardous events both environmental and technological. Broadcasts consist of local, regional and marine weather conditions & forecasts that are repeated every few minutes. During emergencies, routine broadcasts are interrupted to report specific warnings.

NWR works with the Federal Communications Commission's (**FCC**) Emergency Alert System (**EAS**), to provide the most complete, single source of nationwide weather and emergency information. As a nationwide network, the NWR consists of over 940 transmitters in all 50 US states, adjacent coastal waters, Puerto Rico, the US Virgin Islands and US Pacific Territories. This network also includes Weather Radio Canada which is a part of Meteorological Service of Canada (**MSC**). When the NWR broadcasts specific warning, a digital code of Specific Area Message Encoding (**SAME**) is included as part of the message. The SAME code consists of specific information containing the geographical area affected, the expiration time of the message and the message itself. Your **Weather Radio** has been designed to receive and decode warning, watch or non-emergency messages that are broadcast in digital SAME code by the National Weather service. Once received, the message will be presented visually and by voice announcement. The SAME code contains the type of message, country(s) affected, and message expiration time. Your radio should provide reception for up to 40 miles distant from the NWR transmitter depending on terrain and man made structures, either of which can reduce that distance.

You can customize the radio to only receive event messages occurring in your specific location. You can program up to nine (9) specific county locations based on system **FIPS** (Federal Information Processing Standard) codes you have entered into the radio memory.

NOTE: For customizing your Weather Radio use the Weather Radio Control Panel buttons located on the front of the main unit.

CUSTOMIZING YOUR WEATHER RADIO

Weather Radio allows selecting and programming of several different features, including the weather radio channel, country, language of the events (alerts), alerts, location, signal reminder, alert reminder and alert mode.

CHANNEL SEARCH

There are two options available for searching of NWR channels – an **auto** and **manual**.

The default channel search mode is **auto**.

If an **auto search** is selected, leave the **Weather Radio** in the default mode after the main unit has been powered. Then the **Weather Radio** will scan automatically through all 7 NOAA frequencies (channels) and lock on the strongest available channel.

When an **auto search** is selected and reception is successful, the **Weather Radio** will display the number of the received channel (for example: **CHANNEL 7**).

If no channel is detected at this time, the message **NO CHANNEL AVAILABLE BACK TO CHANNEL X** will be displayed.

If a **manual search** is selected, follow this programming procedure:

- Press **MENU/SELECT** button until message **MANUAL** is displayed
- Press **MENU/SELECT** once entering into the channel search programming mode – a channel number will be displayed
- Press **▲** or **▼** adjusting the desired channel number - 1 through 7
- Press **WEATHER/SNOOZE** button on the main unit to listen a NWR broadcast – the icon **NOAA** will be displayed next to the reception status icon [📶]
- Press **◀** to exit

NOTE: If your Weather Radio is receiving a NWR broadcast on more than one channel, the one with the best reception may not be the best option for your location. Contact NWS for information regarding broadcasting stations locations.

To contact the NWS by telephone, dial 1-888-NWR-SAME (1-888-697-7263)

To obtain NWS radio channels and SAME codes on Internet:

www.nws.noaa.gov/nwr/indexnw.htm

COUNTRY SELECTION (US or Canada)

- Press **MENU/SELECT** button entering into the programming mode. Continue button presses until **SELECT CH** is displayed
- Press **▲** button until the **SET COUNTRY** message is displayed
- Press **MENU/SELECT** button to enter country programming mode
- Press **▲** or **▼** to select either the US or Canada
- Press **MENU/SELECT** button to confirm – the unit will beep once confirming the country selection
- Press **◀** to exit

LANGUAGE SELECTION

- Press **MENU/SELECT** button entering into the programming mode until **SELECT CH** message is displayed
- Press **▲** or **▼** buttons until the **SET LANGUAGE** message is displayed
- Press **MENU/SELECT** button to enter language programming mode
- Press **▲** or **▼** selecting English, Spanish or French
- Press **MENU/SELECT** button to confirm – the unit will beep once confirming the language selection
- Press **◀** to exit

ALERTS SELECTION

Your **Weather Radio** contains all NWR events (alerts) pre-programmed; many of them are set to **ON** by default.

There are three events (alerts) categories may be displayed – **Advisory**, **Watch** or **Warning**

Advisory- an advisory is issued when a hazardous weather or hydrologic event is occurring, imminent or likely. Advisories are for less serious conditions than warnings, which cause significant inconvenience and if caution is not exercised, could lead to situations that may threaten life or property.

Watch –potential severe weather approaching your area. It does not mean severe weather occur, but that the right conditions exist which could lead to severe storms. You should be prepared for the weather to deteriorate rapidly.

Warning –severe weather is imminent or present in your vicinity. You should immediately take precautions to protect yourself and your family.

Refer to **Appendix 2** for a list of NWS events (alerts) to determine the events you would like to receive and those to disable.

Use this procedure for programming **Weather Radio** alerts:

- Press **MENU/SELECT** button entering into the programming mode until **SELECT CH** message is displayed
- Press **▲** or **▼** button until the **SET ALERTS?** message will be displayed
- Press **MENU/SELECT** button entering into the alerts programming mode
- Press **▲** or **▼** selecting **ADVISORY**, **WATCH** or **WARNING**
- Press **MENU/SELECT** button to select the event type – the first specific event will be scrolling on the display
- Press **▲** or **▼** button selecting **ALERT ON** or **ALERT OFF**
- Press **MENU/SELECT** button to select and confirm the setting
- Press **◀** to exit

PROGRAMMING YOUR LOCATION

Your **Weather Radio** is pre-programmed to receive seven NOAA broadcast frequencies (channel1-7):

NOAA Radio Channels

1	2	3	4	5	6	7
162.400MHz	162.425MHz	162.450MHz	162.475MHz	162.500MHz	162.525MHz	162.550MHz

After the strongest available channel has been detected by your **Weather Radio**, all FIPS codes specific for your location (state and county) are automatically pre-set.

You can customize your radio and program it with FIPS codes to listen for only those events that you are interested in. You can enable advisories, watch and warnings, to report only on events that are happening in your surrounding location for example.

Programming Locations

- Press **MENU/SELECT** button mode until **SELECT CH** message is displayed
- Press **▲** or **▼** button until **LOCATION** message is displayed
- Press **MENU/SELECT** button to enter location programming mode
- Press **▲** or **▼** to select from the following three options: **ALL**, to receive messages from all counties within a 40 mile radius, **SINGLE** to receive only your county information or **MULTIPLE**

option permits alert signals for up to 9 pre-programmed locations only.

To select ALL locations in your area:

- Press **▲** or **▼** button to select **ALL** from the internal list
- When **ALL** is displayed in the window, press **MENU/SELECT** button to confirm **ALL** locations
- Press **◀** to exit location programming

To select a Single location, SAME alert signals for only one programmed location:

- Press **▲** or **▼** button to select **SINGLE** from the internal list
- Press **MENU/SELECT** button to confirm single location
- Press **MENU/SELECT** button – the message **EDIT?** will be displayed. You can now select to **edit** or **delete** a single location
- Press **MENU/SELECT** button to select **EDIT** or **DELETE**. If you want to edit the county location, press **▶** after county name is displayed.
- Press **▲** or **▼** button to select a new state and county from the internal list
- Press **MENU/SELECT** button to select and confirm the setting
- Press **◀** to exit

To select Multiple locations, up to 9 stored locations:

- Press **▲** or **▼** button to select **MULTIPLE** from the internal list
- Press **MENU/SELECT** button to confirm
- Press **▲** or **▼** button to view the 9 **EMPTY** memory locations
- Press **MENU/SELECT** button – the message **EDIT?** will be displayed. You can now select to **edit** (add) or **delete** a single county location
- Press **▲** or **▼** button to select: **EDIT?** or **DELETE?**
- Press **MENU/SELECT** button and select **EDIT** If you want to **add** or **change** a location.
- Press **▲** or **▼** button selecting a state
- Press **MENU/SELECT** button
- Press **▲** or **▼** button selecting a county
- Press **MENU/SELECT** button to select and confirm the setting. Repeat above steps as many times as desired, to fill up to 9 or fewer locations
- Press **◀** to exit

NOTE: The Weather Radio may miss alerts while being programmed. When selecting an empty location after adding a specific county or area to the memory, press **◀ once to select a county from a**

previously selected state. Press ◀ again to select another state. The Weather Radio will also permit FIPS code updates to the location name. If the new entered FIPS code does not match the NOAA list, the message NOT FOUND will be displayed instead of the county name.

If ◀ pressed when the cursor is at the farthest left digit of the FIPS code, your change will not be saved.

SIGNAL LOSS REMINDER

- Press **MENU/SELECT** button entering into the programming mode until **SELECT CH** message is displayed
- Press ▲ or ▼ button until the **SIG REMINDER** message is displayed
- Press **MENU/SELECT** button to activate it or deactivate the signal loss reminder - the unit will beep and display (•) when activated and 🗣 when deactivated.
- Press ◀ to exit

NOTE: If the signal is lost, the **SIGNAL LOSS** message will appear with the reception icon [📶] flashing. The **WARNING**, **WATCH** and **ADVISORY** indicators will periodically flash. If the signal has been detected and lost within 10 minutes, no signal loss reminder will sound.

MISSED ALERT REMINDER PROGRAMMING

When the missed alert reminder is set for a **TONE** mode, your Weather Radio will beep every 30 seconds after the end of the alert broadcast, until the effective time of the alert will expire.

When missed alert reminder is set for a **VOICE** mode, a voice alert will broadcast for up to 5 minutes. Then radio will beep every 30 seconds until the effective time of the alert will expire.

- Press **MENU/SELECT** button entering into the programming mode until **SELECT CH** message is displayed
- Press ▲ or ▼ button until the **ALT REMINDER** message is displayed
- Press **MENU/SELECT** button to activate it or deactivate the alert loss reminder – the unit will beep and display a flashing speaker icon ((•)) when activated and a speaker icon 🗣 when deactivated
- Press ◀ to exit

NOTE: Press any button to mute the missed alert reminder

ALERT MODE SELECTION

There are two options available for the alert type – voice or tone. If the **VOICE** option is selected, the alert sounds for 10 seconds and then the weather broadcast will turn on automatically for five (5) minutes. The **Weather Radio** display will reflect alert description and duration. If the **TONE** option is selected, the alert tone will sound for five (5) minutes. The **Weather Radio** display will reflect an alert description and duration.

To mute the alert tone sooner, press **WEATHER/SNOOZE** button on the top of the main unit.

- Press **MENU/SELECT** button entering into the programming mode until **ALERT MODE** message is displayed
- Press ▲ button until the **ALERT MODE** message is displayed
- Press **MENU/SELECT** button entering into the alert type programming mode
- Press ▲ or ▼ selecting tone or voice
- Press **MENU/SELECT** button to confirm – the unit will beep once confirming the alert type selection
- Press ◀ to exit

ACTIVATING OR DEACTIVATING AUDIBLE ALERTS

For activating audible alerts slide the **ALERT ON/OFF (N)** switch to **ON** position.

When alert is received, it will sound and the alert speaker sound icon ((•)) will appear on the display.

For deactivating audible alerts slide the **ALERT ON/OFF (N)** switch to **OFF** position – the radio will beep twice and the speaker icon 🗣 with a line through it will appear.

NOTE: If the switch **ALERT ON/OFF** is in **OFF** position before unit is powered, the radio will still operate in **ALERT ON** mode until you slide **ALERT ON/OFF** to **ON** position and **OFF** again.

TESTING YOUR WEATHER RADIO

Every Wednesday between 11 AM and 1PM the NWS broadcasts a weekly test alert in the United States. To find out the specific test schedule in your area, contact your local NOAA or NWS office. On your


Weather Radio these alerts are turned off. To change your alert settings, please see *ALERT SELECTION* section. For a list of NWS alerts see **APPENDIX 2**.

WWVB RADIO CONTROLLED TIME

The NIST (National Institute of Standards and Technology) radio station (WWVB) is located in Ft. Collins, Colorado. It transmits an exact time signal continuously throughout the most of the continental United States at 60 KHz frequency. The Atomic Time Clock in your Weather Station can receive this WWVB signal through the 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 receives the atomic time signal from the NIST Atomic clock in Boulder, Colorado.

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

- During night-time hours, atmospheric disturbances are typically less severe and radio signal reception may improve. A single daily reception is sufficient enough to keep the clock accuracy within 1 second.
- Make sure the unit is positioned at 8 feet (2 meters) distance from any interference source such as a TV, computer monitor, microwave, etc.
- Within concrete wall rooms such as basements or office buildings, the received signal may be weakened. Always place the unit near the window for better reception.

Once the atomic time signal is received, the date and time will be set automatically, and the  icon will appear.

NOTE: At the time of the initial reception allow at least 24 hours for the atomic time receiver to pick up the signal. In some cases, depending on the location, it may take up to 72 hours





If the initial reception was not successful and the time signal has not been received in this first 8 minutes, you may use the **MODE** button to set the time and date manually. (Refer to the **MANUAL SETTINGS** section). After the clock is set manually, place the main unit by the window for better reception. The atomic clock receiver is programmed that it will

continue to search for the atomic time signal daily for every hour between 1:00 am and 4:30 am.

Once the time signal has been successfully received, the time and date will be updated automatically.

To enable or disable the atomic time receiver:


- Press and hold **UP** - if atomic time reception is activated, a circular tower icon will start flashing next to the clock icon. If reception is disabled, the circular tower icon will disappear.

Icon	Atomic Time Reception Strength
 (flashing)	Undefined data
 (without circle)	Reception failed for the past 24 hours
 (one circle)	Weak signal, but can be decoded
	Strong signal

ATOMIC CLOCK

Immediately after batteries installation, the clock will beep and display all available LCD segments for a moment. Immediately after the atomic time signal receiver will start searching for the atomic time signal. It usually takes between 5-8 minutes.

NOTE: Do not press any buttons on the unit during auto search as it may interrupt product's operation, and you will need to start the set up procedure again.

If the reception is successful and the atomic time signal is received, the date and time will be set automatically, and the  icon will appear on the display.

NOTE: It is necessary to set your Time Zone, having in mind that the

default zone is a **Pacific Standard Time (PST)**. (Refer to a **MANUAL SETTINGS** section)

TEMPERATURE AND ALARM WINDOW

The **Temperature and Alarm Window** displays an indoor temperature and two time alarms. Press the **MODE** button to select among indoor temperature, Alarm 1 and Alarm 2. Press the **°C/°F** button to change the temperature unit between degree Celsius and degree Fahrenheit. (The default display is in degree Fahrenheit.)

TIME AND CALENDAR WINDOWS

The Atomic Clock displays time in an **hour-minutes-seconds** format in the **Time Window** located below the **Temperature and Alarm Window**. The date is displayed in **month-date** format next to the day of the week and moon phase icon in the **Calendar Window**.

MANUAL SETTINGS

If desired, the time, date and other available parameters can be programmed manually. It is necessary to set your Time Zone manually.

TIME ZONE

- Enter the US Time Zone programming mode by pressing and holding the **UP** button for 3 seconds.
- Keep holding **UP** button until the desired time zone (Pacific, Mountain, Central or Eastern) is highlighted on the unit's display map in the **Time Window**
- Release the **UP** button and the desired Time Zone will be selected

CLOCK

- Press and hold **MODE** button for 3 seconds until the **year** digits in the **Calendar Window** will flash
- Press **UP** or **DOWN** adjusting a correct year
- Press **MODE** to confirm and move to the next parameter – the month digit will flash
- Press **UP** or **DOWN** adjusting the current **month** and then press **MODE** to confirm – the date digit will flash
- Press **UP** or **DOWN** adjusting the **date** and then press **MODE** to confirm – the “M” and “D” digits will flash
- Press **UP** or **DOWN** selecting the calendar display format in **M/ D** or **D/ M** - the hour digit will flash in the **Time Window**
- Press **UP** or **DOWN** adjusting the **hour** and then press **MODE** to confirm – the **minutes** will flash
- Press **UP** or **DOWN** adjusting the minutes and then press **MODE** for the last time to confirm after the last parameter is set

DAY OF THE WEEK LANGUAGE

- Press and hold **LANG** button for 3 seconds to enter into the day of the week language programming mode: the default language abbreviation will appear (example – **EN**)
- Continue holding **LANG** button until the desired day of the week language abbreviation is displayed
- Release the **LANG** button and the day of the week will be displayed in selected language

PROJECTION (PCR507W) Only

The Atomic Projection Clock is capable of projecting the information immediately, as well as continuously.

IMMEDIATE PROJECTION

- Press **SNOOZE/LIGHT** button once to project the current time image for five seconds.



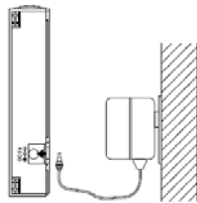
- Press **FLIP** button to rotate projected image 180° clockwise



- Press and hold **FLIP** button for 2 seconds again and the projected image will rotate between the **time** and **indoor** temperature information every 5 seconds

CONTINUOUS TIME AND TEMPERATURE PROJECTION

- Connect AC/DC adapter provided to the AC adapter input





- Slide the **CONTINUE PROJECTION** switch to the arrow direction shown on the unit's side: the current time will be projected on the wall or the ceiling continuously.



ALARM SETTING

The Atomic Clock Radio has two time alarms. If any of the alarms is activated, it will sound at the set time and the alarm icon will flash. Also, you can select the alarm in radio sound or beep sound by switching to the desired position.

BELL ALARM SETTING

- Slide the alarm switch to the **ALARM** position. The alarm icons of  and  will be shown on the display.
- Press **MODE** button to view the **ALARM 1** or **ALARM 2** modes. If the **ALARM 1** is selected, the default time "6:00" with the **AL** label will be displayed. If the **ALARM 2** is selected, the default time "8:00" with the **AL 2** label will be displayed
- Press and hold the **MODE** button for two seconds - the hour digit will flash
- Enter the hour parameter by using **DOWN** or **UP** button
- Press the **MODE** button again, then the minute digits will flash
- Enter the minutes parameter by using **DOWN** or **UP** button
- Press the **MODE** button one last time to confirm the setting.
- Use the same procedure for setting the time for **ALARM 2**

RADIO ALARM SETTING

- Slide the alarm switch to the **RADIO** position. The alarm icons of  and  will be shown on the display.
- Press **MODE** button to view the **ALARM 1** or **ALARM 2** modes. If the **ALARM 1** is selected, the default time "6:00" with the **AL** label will be displayed. If the **ALARM 2** is selected, the default time "8:00" with the **AL 2** label will be displayed
- Press and hold the **MODE** button for 3 seconds - the hour digit

will flash and the radio display will be on.

- Press **STATION** button to select the station that you want to be your wake up station
- Enter the hour parameter by using **DOWN** or **UP** button
- Press the **MODE** button again, then the minute digits will flash
- Enter the minutes parameter by using **DOWN** or **UP** button
- Press the **MODE** button one last time to confirm the setting.
- Use the same procedure for setting the time for **ALARM 2**

HOW TO STOP AN ALARM

- Slide the alarm switch to the **OFF** position, alarms will be disabled and the alarm icons will disappear from the display.

DIGITAL FM RADIO

The band range of **FM Radio** is operated from 87.5 to 108.1 MHz.

GENERAL OPERATION

- Press **RADIO** button (On top) to turn on the radio. The current frequency selection will be shown on the LCD display.
- Rotate **TUNNING** knob (side) to select the desired radio station. Each step of rotation will increase or decrease the frequency by 0.05MHz. Rapid rotation of **TUNNING** knob will jump to the next closest station automatically.
- Rotate **VOLUME** knob to adjust the desired volume. There are total 15 steps of volume. The midrange default value is 6.
- If the reception is weak, extend the antenna to improve the reception.
- Press **RADIO** button to turn off the radio. The radio functions will automatically turn off when the low battery indicator displayed, unless connected to the AC adapter.

RADIO STATION PROGRAM SETTING

Your favorable station can be set in the radio station program. Quick searching of radio station can be done by selection of preset station number.

- Press **RADIO** button once to turn on the radio.
- Rotate **TUNNING** knob to search the desired radio station.
- Press **MEMORY** button until the station number is flashing on the display.
- Press **STATION** button to select the desired station number. There are total 18 stations can be set in the program.
- Press **MEMORY** button once more to confirm
- Then, you can press **STATION** button only to find your preset favorable radio station.

SLEEPING MODE SETTING

You can use sleeping mode turn off the radio automatically.

- Press **SLEEP** button to activate sleeping mode. "SLEEP" will flash when the sleep mode is activated.
- Press **SLEEP** again to select the radio shut down time from 5 to 90 minutes maximum. Each press of **SLEEP** button decreases the shut down time by 5 minutes. The default value is 90 minutes.
- After setting, the display will change back to station frequency. The radio will shut down automatically when the pre-set time is reached.
- Press **LIGHT/ SNOOZE** button to stop sleeping mode and radio will turn off automatically.

HEADPHONE SPEAKERS

Headphone can be used when you connect the headphone (not included) into the headphone jack. This jack can also support computer style speakers and provide additional volume control for the weather radio, if desired.

SNOOZE & BACKLIGHT

Press the **SNOOZE/LIGHT** button to temporarily stop any alarm. After the **SNOOZE /LIGHT** button is depressed, the alarm sound will resume in the programmed snooze period and the blue backlight will be activated for 5 seconds. If the alarm is not disabled after that, it will sound for four more minutes and then will stop by itself. There is no continuous back light.

PRECAUTIONS

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

- Do not immerse the unit in water.
- Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
- 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.
- Do not tamper with the unit's internal components. Doing so will invalidate the warranty and may cause damage. The unit contains no user-serviceable parts.
- Use only fresh batteries. Do not mix new and old batteries.
- Read the user's manual thoroughly before operating the unit.

APPENDIX 1 – CITY CODES

US and Canadian Cities

City	Cod	Zone	DST
Atlanta, Ga.	ATL	-5	SU
Austin, TX	AUS	-6	SU
Baltimore, Md.	BWI	-5	SU
Birmingham, Ala.	BHM	-6	SU
Boston, Mass.	BOS	-5	SU
Calgary, Alba.,	YYC	-7	SU
Chicago, IL	CGX	-6	SU
Cincinnati, Ohio	CVG	-5	SU
Cleveland, Ohio	CLE	-5	SU
Columbus, Ohio	CMH	-5	SU
Dallas, Tex.	DAL	-6	SU
Denver, Colo.	DEN	-7	SU
Detroit, Mich.	DTW	-5	SU
El Paso, Tex.	ELP	-7	SU
Houston, Tex.	HOU	-6	SU
Indianapolis, Ind.	IND	-5	NO
Jacksonville, Fla.	JAX	-5	SU
Las Vegas, Nev.	LAS	-8	SU
Los Angeles,	LAX	-8	SU
Seattle, Wash.	SEA	-8	SU
St. Louis, Mo.	STL	-6	SU
Tampa, Fla.	TPA	-5	SU
Toronto, Ont.,	YTZ	-5	SU

City	Cod	Zone	DST
Memphis, Tenn.	MEM	-6	SU
Miami, Fla.	MIA	-5	SU
Milwaukee, Wis.	MKE	-6	SU
Minneapolis, Minn.	MSP	-6	SU
Montreal, Que., Can.	YMX	-5	SU
Nashville, Tenn.	BNA	-6	SU
New Orleans, La.	MSY	-6	SU
New York, N.Y.	NYC	-5	SU
Oklahoma City, Okla.	OKC	-6	SU
Omaha, Neb.	OMA	-6	SU
Ottawa, Ont., Can.	YOW	-5	SU
Philadelphia, Pa.	PHL	-5	SU
Phoenix, Ariz.	PHX	-7	NO
Pittsburgh, Pa.	PIT	-5	SU
Portland, Ore.	PDX	-8	SU
San Antonio, Tex.	SAT	-6	SU
San Diego, Calif.	SAN	-8	SU
San Francisco, Calif.	SFO	-8	SU
San Jose, Calif.	SJC	-8	SU
Vancouver, B.C., Can.	YVR	-8	SU
Washington, D.C.	DCA	-5	SU
Vancouver, Canada	VAC	-8	SU

World Cities

City	Cod	Time	DST
Addis Ababa,	ADD	3	NO
Adelaide,	ADL	9.5	SA
Algiers, Algeria	ALG	1	NO
Amsterdam,	AMS	1	SE
Ankara, Turkey	AKR	2	SE
Asunción,	ASU	-3	sp
Athens, Greece	ATH	2	SE
Bangkok,	BKK	7	NO
Barcelona, Spain	BCN	1	SE
Beijing, China	BEJ	8	NO
Belgrade,	BEG	1	SE
Berlin, Germany	BER	1	SE
Birmingham,	BHX	0	SE
Bogotá, Colombia	BOG	-5	NO
Bordeaux, France	BOD	1	SE
Bremen,	BRE	1	SE
Brisbane,	BNE	10	NO
Brussels, Belgium	BRU	1	SE
Bucharest,	BBU	2	SE
Budapest,	BUD	1	SE
Buenos Aires,	BUA	-3	NO
Kinshasa, Congo	FIH	1	NO
Kuala Lumpur,	KUL	8	NO
La Paz, Bolivia	LPB	-4	NO
Lima, Peru	LIM	-5	NO
Lisbon, Portugal	LIS	0	SE
Liverpool,	LPL	0	SE
London, England	LON	0	SE
Lyon, France	LYO	1	SE
Madrid, Spain	MAD	1	SE
Manila,	MNL	8	NO
Marseille, France	MRS	1	SE
Melbourne,	MEL	10	SA
Mexico City,	MEX	-6	SU
Milan, Italy	MIL	1	SE
Montevideo,	MVD	-3	SM
Moscow, Russia	MO	3	SK

City	Cod	Time	DST
Cairo, Egypt	CAI	2	sg
Calcutta, India (as	CCU	5.5	NO
Cape Town, South Africa	CPT	2	NO
Caracas, Venezuela	CCS	-4	NO
Chihuahua, Mexico	CUU	-6	SU
Copenhagen, Denmark	CPH	1	SE
Córdoba, Argentina	COR	-3	NO
Dakar, Senegal	DKR	0	NO
Dublin, Ireland	DUB	0	SE
Durban, South Africa	DUR	2	NO
Frankfurt, Germany	FRA	1	SE
Glasgow, Scotland	GLA	0	SE
Guatemala City,	GUA	-6	NO
Hamburg, Germany	HAM	1	SE
Havana, Cuba	HAV	-5	SH
Helsinki, Finland	HEL	2	SE
Hong Kong, China	HKG	8	NO
Irkutsk, Russia	IKT	8	SK
Jakarta, Indonesia	JKT	7	NO
Johannesburg, South	JNB	2	NO
Kingston, Jamaica	KIN	-5	NO
Oslo, Norway	OSL	1	SE
Panama City, Panama	PTY	-5	NO
Paris, France	PAR	1	SE
Perth, Australia	PER	8	NO
Prague, Czech Republic	PRG	1	SE
Rangoon, Myanmar	RGN	6.5	NO
Reykjavík, Iceland	RKV	0	NO
Rio de Janeiro, Brazil	RIO	-3	sb
Rome, Italy	ROM	1	SE
Salvador, Brazil	SSA	-3	NO
Santiago, Chile	SCL	-4	sc
São Paulo, Brazil	SPL	-3	sb
Shanghai, China	SHA	8	NO
Singapore, Singapore	SIN	8	NO
Sofia, Bulgaria	SOF	2	SE
Stockholm Arlanda,	ARN	1	SE

Munich, Germany	MUC	1	SE
Nairobi, Kenya	NBO	3	NO
Nanjing	NKG	8	NO
Naples, Italy	NAP	1	SE
New Delhi, India	DEL	5.5	NO
Odessa, Ukraine	ODS	2	SE
Osaka, Japan	KIX	9	NO

Sydney, Australia	SYD	10	SA
Tokyo, Japan	TKO	9	NO
Tripoli, Libya	TRP	2	NO
Vienna, Austria	VIE	1	SE
Warsaw, Poland	WA	1	SE
Zürich, Switzerland	ZRH	1	SE

DST (Daylight Savings Time) definitions:

- SA** = Australian DST.
- SB** = South Brazilian DST - changes annually.
- SC** = Chile DST
- SE** = Standard European DST.
- SG** = Egypt DST
- SH** = Havana, Cuba DST
- SI** = Iraq and Syria DST
- SK** = Irkutsk & Moscow DST
- SM** = Montevideo, Uruguay DST
- SN** = Namibia DST
- SP** = Paraguay DST
- SQ** = Iran DST maybe changed annually.
- ST** = Tasmania DST
- SU** = Standard American DST.
- SZ** = New Zealand DST
- NO DST** = no = Places that do not observe DST;
- ON** = Always add 1 hour to the local standard time

APPENDIX 2 – NWR ALERT MESSAGES

Event Code	Level	Default
Administrative Message	Advisory	Off
Avalanche Watch	Watch	On
Avalanche Warning	Warning	On
Biological Hazard Warning	Warning	On *
Boil Water Warning	Warning	On
Blizzard Warning	Warning	On
Child Abduction Emergency	Advisory	On
Civil Danger Warning	Warning	On *
Civil Emergency Message	Warning	On *
Costal Flood Watch	Watch	On
Costal Flood Warning	Warning	On
Chemical Hazard Warning	Warning	On *
Contaminated Water Warning	Warning	On *
Dam Watch	Watch	On
Dam Break Warning	Warning	On *
Contagious Disease Warning	Warning	On *
Practice/ Demo	Advisory	Off
Dust Storm Warning	Warning	On
Emergency Action Notification	Warning	On *
Emergency Action Termination	Advisory	On *
Earthquake Warning	Warning	On *
Immediate Evacuation	Warning	On *
Evacuation Watch	Watch	On
Food Contamination Warning	Warning	On *
Flash Flood Watch	Watch	On
Flash Flood Statement	Advisory	On

Event Code	Level	Default
Flash Flood Warning	Warning	On
Flood Watch	Watch	On
Flood Statement	Advisory	On
Flood Warning	Warning	On
Fire Warning	Warning	On
Flash Freeze Warning	Warning	On
Freeze Warning	Warning	On
Hurricane Statement	Advisory	On
Hazardous Materials Warning	Warning	On *
Hurricane Watch	Watch	On
Hurricane Warning	Warning	On *
High Wind Watch	Watch	On
High Wind Warning	Warning	On
Iceberg Warning	Warning	On
Industrial Fire Warning	Warning	On *
Local Area Emergency	Advisory	On *
Law Enforcement Warning	Warning	On *
Land Slide Warning	Warning	On *
National Audible Test	Advisory	Off
National Information Center	Advisory	Off
Network Notification Message	Advisory	Off
National Periodic Test	Advisory	Off
National Silent Test	Advisory	Off
Nuclear Power Plant Warning	Warning	On *
Power Outage Advisory	Advisory	On
Radiological Hazard Warning	Warning	On *
Required Monthly Test	Advisory	Off

Event Code	Level	Default
Required Weekly Test	Advisory	Off
Special Marine Warning	Warning	On
Special Weather Statement	Advisory	On
Shelter In-Place Warning	Warning	On *
Severe Thunderstorm Watch	Watch	On
Severe Thunderstorm Warning	Warning	On
Severe Weather Statement	Advisory	On
Tornado Watch	Watch	On
911 Telephone Outage Emergency	Advisory	On
Tornado Warning	Warning	On *
Tropical Storm Watch	Watch	On
Tropical Storm Warning	Warning	On *
Tsunami Watch	Watch	On *
Tsunami Warning	Warning	On *
Transmitter Backup On	Advisory	Off
Transmitter Carrier Off	Advisory	Off
Transmitter Carrier On	Advisory	Off
Transmitter Primary On	Advisory	Off
Volcano Warning	Warning	On *
Wild Fire Watch	Warning	On
Wild Fire Warning	Warning	On *
Winter Storm Watch	Watch	On
Winter Storm Warning	Warning	On
Unrecognized Watch	Watch	On
Unrecognized Emergency	Advisory	On
Unrecognized Statement	Advisory	On
Unrecognized Warning	Warning	On *

SPECIFICATIONS

Weather Radio

Radio Frequency Band: from 162.400MHz to 162.500MHz
 Operating Range: about 40 miles (65 km) radius
 Channels: Digital PLL tuning for 7 NOAA channels
 SAME programming: All, MULTIPLE (for 9 counties) or SINGLE
 Volume: 16 levels
 Receiving Sensitivity: 100 db V/m
 FIPS/CLC Codes Sensitivity: 0.5 uV
 Signal to Noise Ratio: 45 dB
 Channel Selectivity: 50 dB

Digital Radio

FM frequency: 87.5 to 108 MHz at step frequency 50 KHz
 Volume step: 15 (Digital: 0-15, default: 6)
 Max. Stored Stations: 18

Time

12/24 hour display in hh: mm format
 Date format: month – day
 User-selectable US Time Zone
 Day of the week: Selectable: English, Spanish or French Languages
 Dual 4 minutes crescendo alarm with programmable snooze

Indoor Temperature

Operating range: -5.0°C to +50.0°C/23.0°F to 122.0°F
 Temperature resolution: 0.1°C/0.2°F
 User-selectable (F° or C°) temperature display
 LED backlight: 5 seconds
 Low battery indicator

Projection (PPCR507W)

Focus adjustment
 180° projected image rotation and flip

Power

6 AA size (UM-3) 1.5V batteries (not included)
 AC/DC adapter - 9V, 120mA (included)

Dimensions

(PCR507W) 8.9(L) x 6.26(H) x 2.32(D) inches
 (RN507W) 8.9(L) x 6.26(H) x 2.32(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, installed and used in accordance with the instructions, may cause harmful interference to radio communications.

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 improve or correct turning the interference by one or more of the following measures:

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

DECLARATION OF CONFORMITY

Name: Meade Instruments Corp.
Address: 27 Hubble, Irvine, CA 92618
Telephone No.: 1-949-451-1450

declare that the product
Product No.: PCR507W

Product Name: Honeywell Public Alert Projection Clock Radio

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:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

STANDARD WARRANTY INFORMATION

This product is warranted from 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.

Should you require assistance with this product and its operation, please contact our Customer Service 1(800) 626 3233.

Please direct all returns to the place of the original purchase. Should this not be possible, contact Meade Customer Service Hotline for assistance and to obtain a Return Goods Authorization (RGA). 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.

Meade Instruments Corp. reserves the right to repair or replace the product at our option.

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Honeywell International Inc. makes no representations or warranties with respect to this product.