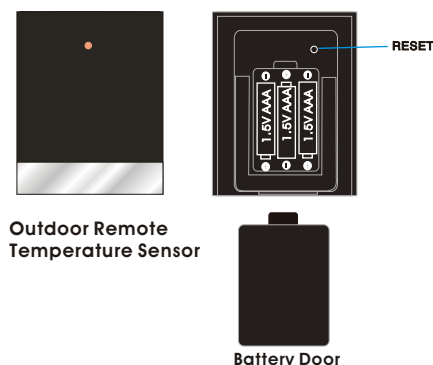
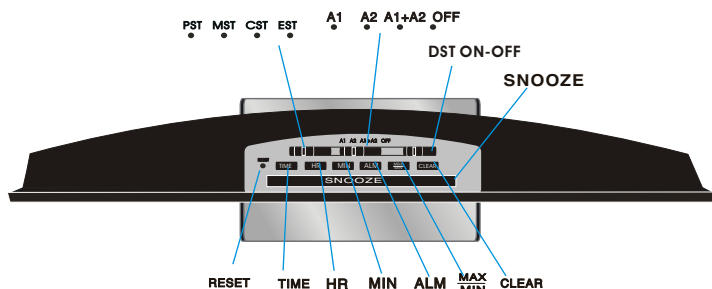
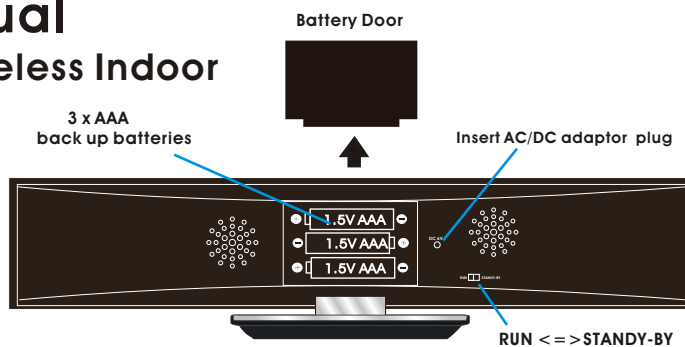


E0060-W Instruction Manual

Radio Controlled LED Clock with Wireless Indoor and Outdoor Temperature



Installation

1. Plug the AC/DC adaptor into any 120V U.S. AC household outlet. Plug the DC jack into the back of the clock. The front of the clock will show the real U.S. P.S.T. time.
2. Slide the Time Zone switch to select the correct time zone.

DST (Daylight Saving Time)

Always keep the DST switch at ON position. Slide to OFF when you use this atomic clock-thermometer in areas where the DST is not applicable i.e. part of Indiana or Arizona.

Battery Back Up

1. When AC power is off, the batteries will power the clock to keep track of the time and alarm time setting.
2. When only the back-up batteries is used, the LED panel is off.

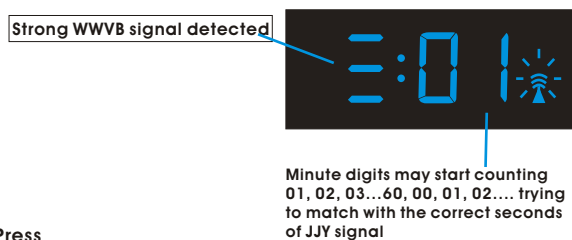
Power Up Reception and Signal Strength Display

1. When the atomic clock-thermometer is receiving the WWVB signal, the icon blinks. To view the strength of the WWVB signal at the location where you place your atomic clock-thermometer, press **HR** button once. The time display changes to .
2. When strong WWVB signal is detected, display shows with 3 bars .

When weak or no WWVB signal is detected, display keeps showing 1 bar or . You will need to place the clock to another area for better reception, or unplug the AC/DC jack to start over reception again.

During reception, the signal strength may move from 1 bar to 2 bars to 3 bars. This is normal since the clock is decoding WWVB signal with other signals in the air at the same time.

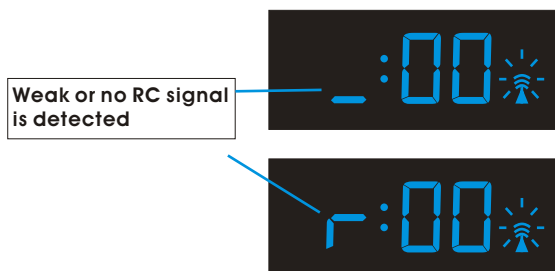
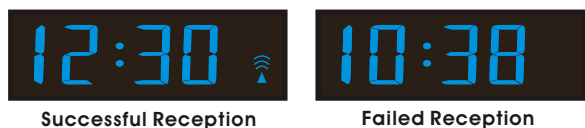
3. If the clock does not catch WWVB time signal for 7 minutes, it will go back to normal time display .
4. During reception, press **TIME** button once will go to normal time display. Press **HR** again will return to reception mode and signal strength indication.



Successful reception or failed reception

The icon becomes static on (stop blinking) when reception is successful

The icon disappears when reception is failed



Automatic Reception and Manual Reception

Automatic reception : this clock starts reception automatically everyday at 1:00am. If auto reception fails at 1:00 am, it will start again at 3:00 am. If fails at 3:00 am, it will start again at 5:00 am.

If auto reception fails at 5:00 am still fails, it will start reception every 3 hours until it succeed to catch correct WWVB time.

Manual reception : press **HR** button once anytime to start manual reception of WWVB time signal. The LED time display will go to radio controlled reception mode .

To Set Time and Alarm Time

After power up, if press **TIME** button once, time digits go to 12:00 am (default start-up time). The clock continues to receive WWVB signal. The  icon is still blinking.

Press **HR** button once will go back to radio controlled reception mode (as above)



TO SET TIME

Press and hold **TIME** button and at the same time press **HR** button once at a time to set hour.

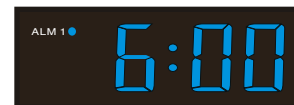
Press and hold **TIME** button and at the same time press **MIN** button once at a time to set minute.

TO SET ALARM 1 TIME

Slide the Alarm Switch to ALM 1.

Press and hold **ALM** button and at the same time press **HR** button once at a time to set hour.

Press and hold **ALM** button and at the same time press **MIN** button once at a time to set minute.



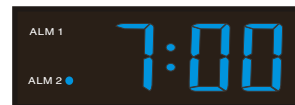
SET ALARM 1

TO SET ALARM 2 TIME

Slide the Alarm Switch to ALM 2.

Press and hold **ALM** button and at the same time press **HR** button once at a time to set hour.

Press and hold **ALM** button and at the same time press **MIN** button once at a time to set minute.



SET ALARM 2

TO TURN ON/OFF ALARM 1 or/and ALARM 2

To turn on Alarm 1 only, slide the alarm switch to **ALM 1**, ALM 1 LED lights up on upper left of the hour digits.

To turn on Alarm 2 only, slide the alarm switch to **ALM 2**, ALM 2 LED lights up on lower left of the hour digits.

To turn on both Alarm 1 and 2, slide the alarm switch to **ALM 1 + 2**, both ALM 1 and ALM 2 LED light up.

To in-activate both Alarm 1 and 2 permanently, slide to **ALM OFF**. Both ALM 1 and ALM 2 LED turn off.

TO USE THE SNOOZE ALARM

When time reaches the set ALARM 1 and/or ALARM 2 time, the clock will beep with the ALM 1 and/or ALM 2 LED blinking. Press the **SNOOZE** button once, the alarm sound will stop and ALM 1 or ALM 2 LED keep blinking. Alarm will sound again in 5 minutes.

TO STOP THE ALARM

When time reaches the set ALARM 1 and/or ALARM 2 time, the clock will beep with the ALM 1 and/or ALM 2 LED blinking.

Press and hold the **SNOOZE** button for 2 seconds, the alarm sound will stop and ALM 1 or ALM 2 LED becomes static.

Alarm 1 and/or Alarm 2 will sound again same time next day.

TO TURN OFF ALARM 1 AND/OR ALARM 2 PERMANENTLY

Slide the alarm switch to **ALM OFF**. Alarm sound will stop and both ALM 1 and ALM 2 LED's turn off.

TO SET SNOOZE DURATION (from 05 to 60 minutes)

Press and hold **SNOOZE** for 2 second the time display will show "05" (default snooze duration) and at the same time press **MINUTE** button to set your desired snooze duration.

TO READ MAXIMUM-MINIMUM INDOOR-OUTDOOR TEMPERATURES

Simply press the  button to view the maximum indoor and outdoor temperatures. Press **CLEAR** to reset the Max readings. The readout will now appear as --- and will start to record the maximums again.

Then press the  button to view the minimum indoor and outdoor temperatures. Press **CLEAR** to reset the Min readings. The readout will now appear as --- and will start to record the minimums again.

IF YOU LOSE THE OUTDOOR TEMPERATURE

When the outdoor temperature digits show '---', the wireless transmission is either interrupted or lost. Press the **CLEAR / OUT TEMP FINDER** button on the clock once, then press **RESET** located on the back of the outdoor transmitter. If you continue to lose the outdoor temperature display, try placing the transmitter in a different location until you have smooth transmission of temperature data.

TROUBLE SHOOTING

Press the **RESET** button on the top of the clock- thermometer and then press **RESET** button located on the back of the outdoor transmitter. Once you do this, your clock will be reset to default setting and needs to be up-dated by WWVB time signal again.

AUTO DIMMER SENSOR

Your atomic clock-thermometer is equipped with an automatic light sensor. The clock-thermoeter will adjust the brightness of the LED display automatically during daytime or in the dark.

CARE OF YOUR CLOCK

1. Do not expose your clock to extreme temperatures, water or direct sunlight.
2. Avoid contact with any corrosive materials
3. Do not subject the clock to excessive force, dust or humidity
4. Do not open the inner back case or tamper with any components of this clock
5. Do not plug in any other AC/DC adaptor with incorrect specifications or voltage

TROUBLE SHOOTING

When your clock displayed irrelevant time, calendar or temperatures, which might be caused by electrostatic discharge or interferences of other wireless signal in the air e.g. TV, computer monitor, radios, walkie-talkie etc. Press **WAVE** or **OUT TEMP FINDER** once respectively to adjust to correct time and temperatures. If such situation still persists, press the **RESET** button to set the clock to factory default setting. However, the smart set US time will reset to default time. You will need to set the time and calendar manually to restore the smart set feature.

STATEMENT OF FCC COMPLIANCE

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 modifications 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 has 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 :-

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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.

SPECIFICATIONS:-

Outdoor temperature measuring range: -10C to +60C / 14F to +140F

Indoor temperature measuring range: 0C to 50C / +32F to +122F

Temperature checking interval:-

Outdoor: every 3 minute

Indoor: every 1 minute

RF temperature transmission interval: every 3 minutes

Power up operation:

RF reception duration: 4 minutes

RC reception times: 1 AM, 3 AM, 5 AM

Remote transmitter transmission: instant transmission after power up

Transmission distance: up to 100 ft in open field, depending upon surrounding structures, mounting location and possible interfering sources

Power Source (Alkaline batteries recommended)

Atomic Clock: 4 x AAA, 1.5V batteries

Transmitter: 3 x AAA, 1.5V batteries

Battery life: about 12 months

Warranty

This Product is warranted to be free of defects in manufacturing for a period of 2 years from the date of purchase. Defective clocks should be returned to the place of retail purchase.

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Model 81112