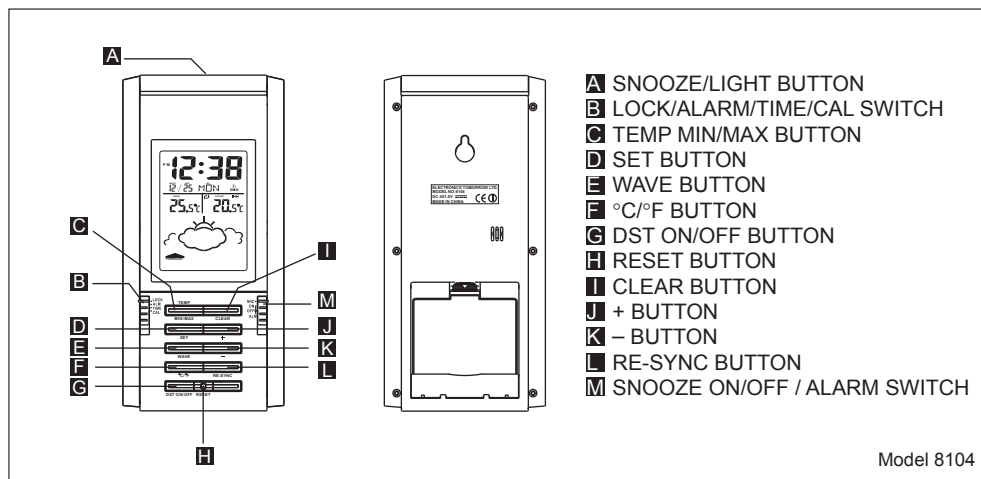


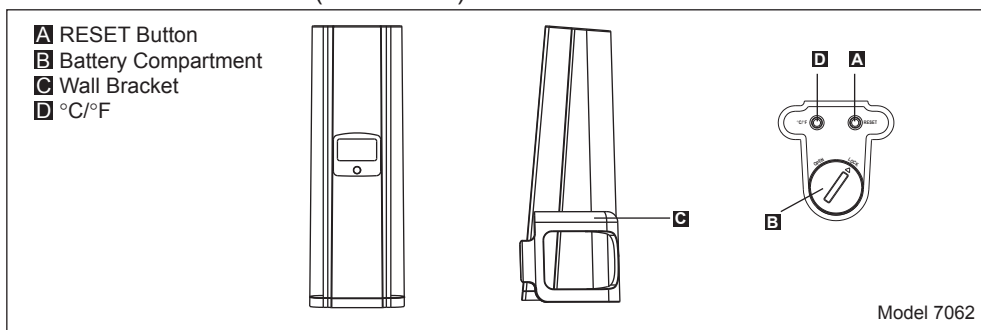
INSTRUCTION MANUAL

Locations of Control

Main Unit



Outdoor Remote Sensor (Transmitter)



- The configuration of your clock may differ somewhat from that shown in the illustration.
- "AA" or "AAA" size battery. This clock may use more than one piece of battery. Please refer to the engraved battery marks inside the battery compartment for the correct battery type.

Feature

- Calendar with day of the week display from January 1, 2003 to December 31, 2069
- Hour and minute display
- 12 or 24-hour format
- Indoor temperature and remote temperature
- Centigrade or Fahrenheit readout
- Clock operating temperature from 0°C to 50°C (32°F to 122°F)
- Indoor, Outdoor Temperature measuring range from -50°C to 70°C (-58°F to 158°F)*
- Temperature resolution 0.1°C

*If using the wireless transmitter with temperature below 32°F or above 122°F, user are ☐ recommended to use Lithium battery to enhance batteries life.

Before You Begin

To ensure proper functioning of the RF Thermo Clock, please follow this set up procedure.

- Insert batteries for main unit (Refer to instructions for battery installation).
- Place the main unit as close as possible next to the remote unit and insert batteries for the ☐ remote unit.
- Position the remote unit and main unit within effective transmission range, which in usual ☐ circumstances is 20 to 30 meters.

Note that the effective range is affected by the building materials and where the main and remote unit are positioned. Try various setup for the best results.

Batteries Installation

Batteries installation of the clock

- Insert 2 "AA" batteries in polarity (+) and (-) as indicated
- Close the battery cover
- The low battery icon will show in the clock window when your batteries need replacing

Batteries installation of wireless transmitter

- Insert new batteries into transmitter
- Insert 2 "AA" size batteries in proper polarity (+) and (-) as indicated
- Close the battery door

Warning : Do not mix old and new batteries

- ☐ Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel cadmium) ☐ batteries.

Do not touch any other buttons or settings on your clock. It will automatically receive the remote temperature.

Getting Started

Upon power up of the transmitter (or pressing the reset button), the temperature RF signal is immediately sent to the clock. The clock attempts to receive the RF temperature signal for 5 minutes. The clock refreshes the RF temperature every 3 minutes.

Check IN / REMOTE Temperature

The indoor temperature is displayed on the IN temperature field and the remote temperature will be displayed on the REMOTE temperature field.

If the RF temperature signal is not received within 5 minutes after power up of the receiver (or pressing the reset button), blank "----" will appear in the outdoor temperature window of the clock. In this case, press the HR/SYNC button of the clock. The clock will attempt outdoor temperature reception for another 6 minutes.

After the remote temperature shows in the lower LCD panel, place the remote transmitter outside in a shaded, dry area to protect it as if under an umbrella.

Try relocating the clock or the transmitter if the clock does not display the outdoor temperature after 6 minutes.

Maximum and Minimum IN / REMOTE Temperature

The maximum and minimum recorded temperature readings will automatically be stored in the memory.

Press the Max/Min button once to display the INDOOR maximum and minimum record. Press the button again to show the REMOTE maximum and minimum record. The respective indicators, IN and REMOTE will be displayed.

To clear the memory, press CLEAR when the maximum and minimum temperature records are shown, it will clear the record of the shown temperature field.

To Set Calendar

Press **SET** one time, upper LCD show year "2002" and blinks. Press + or - button to set year. Press and hold + or - will accelerate setting in faster speed.

Press **SET** again, upper LCD changes to 1M 1D and blinks, press + or - button to set month and date.

Press and hold + or - will accelerate setting in faster speed.

To Set Time

Press **SET** again, time digits blink, press + or - button to set time in minutes.

Press and hold + or - will accelerate setting in faster speed.

To Set 12HR / 24 HR Time Format

Press **SET** again, upper LCD shows 12H and blink, press + or - button to select 12H or 24H.

Press **SET** again to go back to current time display or if no button is further pressed for few minutes, the clock will go back to normal time display automatically.

To Set Daily Alarm Time

When the clock is at normal time display, press + or - to set your desired alarm time. Press and hold + or - will accelerate setting in faster speed.

To Activate Alarm Function

1. Slide the SNZ/ALARM ON/OFF switch to ON position, the sign  will appear on the time ☐ display. The alarm function is activated.
2. When the alarm sounds, press the Snooze/Light button. The alarm will sound the same ☐ time of the next day.
3. To deactivate the alarm function, slide the SNZ/ALARM ON/OFF switch to OFF position.

To Activate the snooze alarm

1. Slide the SNZ/ALARM ON/OFF switch to SNZ position. The sign  and **Zz** will appear on ☐ the time display.
2. When the alarm sounds, press the Snooze/Light button. The alarm will sound again in ☐ approximately 5 minutes. You may repeat this function for 10 minutes.
3. To deactivate the snooze alarm, slide the SNZ/ALARM ON/OFF switch to the OFF position.

Centigrade (°C) or Fahrenheit (°F) set

Press the °C/°F button to choose the Centigrade or Fahrenheit readout. Note that the remote temperature display on the main unit is dominated by the selection on the main unit. Whatever the display unit of the remote unit is, it will be automatically converted to the chosen one of the main unit.

Check weather forecast

- The Weather Forecast Station is displayed in the weather forecast reading. There are five ☐ readings for the forecast: sunny, sunny & cloudy, cloudy, rainy and stormy.



- When the weather tendency is indicated up, it means the weather is going better. If the ☐ weather tendency is indicated down, the weather is going bad. While the weather ☐ tendency is indicated still, the weather remains unchanged under atmosphere pressure.



Reset the Weather Forecast Station

- Press the RESET button when the Weather Forecast Station does not operate normally. Notes: Once resetting the Weather Forecast Station, the reliable weather data can be obtained after about 24 hours.

Receiver stage indicator

The RF Temperature signal indicator in the clock's outdoor temperature window will show the following:

	NO SIGNAL DETECTION
	SIGNAL DETECTION
	SUCCESSFUL RECEPTION

Losing Synchronization of the wireless thermometer

If the clock displayed a proper outdoor temperature in the past but now displays blank "--", the wireless transmitter and clock may have lost synchronization. If this occurs, press the HR/RE-SYNC button of the clock. The clock will attempt outdoor temperature reception for another 6 minutes and reinitiate synchronization with the wireless transmitter. If the remote temperature cannot be received, check:

1. ☐ The distance of the clock or wireless transmitter should be at least 3-4 feet away from ☐ any interfering sources such as computer monitors or TV sets.
2. ☐ Avoid placing the receiver onto or in the immediate proximity of metal window frames.
3. ☐ Using other electrical products such as headphones or speakers operating on the same ☐ signal frequency (433MHz) may prevent correct signal transmission and reception.
4. ☐ Neighbors using electrical devices operation on the 433MHz signal frequency can also ☐ cause interference.

Note: When the 433MHz signals is received correctly, do not re-open the battery cover of either the wireless transmitter or the clock, as the batteries may spring free from the contacts and force a false reset. Should this happen accidentally then reset both unit (see Getting Started above) otherwise transmission problems may occur.

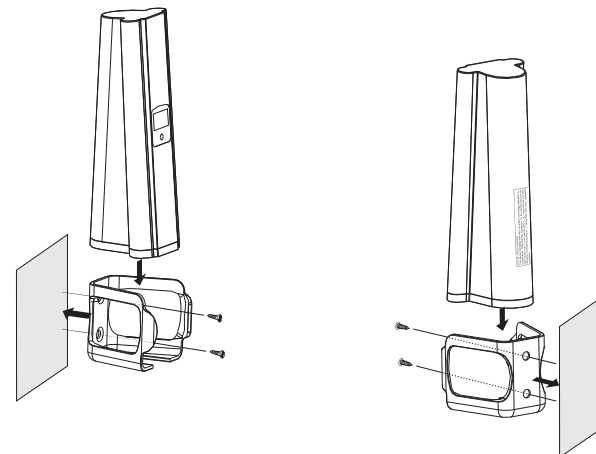
The maximum transmission range is 100 feet from the wireless transmitter to the clock (in open space). However, this depends on the surrounding environment and interference levels. The temperature signal travels in a straight line from the transmitter to the clock. The signal will not curve around blocking object. Each wall or floor the signal must pass through is equal to approximately 20 feet of open space. If no reception is possible despite the observation of these factors, all system units have to be reset (see Getting Started).

Interference

Signals from other household devices, such as entry controls, door bells and home security systems, may temporarily interfere with the clock and cause reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature reading will resume once the interference has stopped.

Using the Stand

The remote unit comes with a wall mount holder which can hold the unit on wall, or just place it on a flat surface.



Trouble-Shooting

- ☐ Press the "Reset" button when the clock is displaying irrelevant temperature reading. This ☐ may happen when external noise is severe enough to interfere with the RF temperature ☐ signal.
- ☐ Press the "Reset" button on the wireless transmitter if the readout is irrelevant or does not ☐ respond.

Care of your clock

- ☐ Avoid exposing your clock to extreme temperatures, water or severe shock.
- ☐ Avoid contact with any corrosive materials such as perfume, alcohol or cleaning agents.
- ☐ Do not subject the clock to excessive force, shock, dust, temperature or humidity. Any of ☐ these conditions may shorten the life of the clock.
- ☐ Do not tamper with any of the internal components of this clock. This will invalidate the ☐ warranty and may cause damage.

Correct usage of the batteries

- ☐ Use 4 new "AA" batteries
- ☐ Do not mix standard of rechargeable batteries
- ☐ Do not mix new and old batteries
- ☐ When the low battery mark "  " appears on the display, replace the appropriate ☐ ☐ batteries ☐ with new ones.

Specification

Temperature measuring range

- Receiver ☐ : ☐ -50°C to +70°C with 0.1°C resolution
☐ ☐ -58°F to 158°F with 0.2°F resolution
- Transmitter ☐ : ☐ -50°C to +70°C with 0.1°C resolution
☐ ☐ -58°F to 158°F with 0.2°F resolution

Temperature checking interval

- Receiver ☐ : ☐ every 16 seconds
- Transmitter ☐ : ☐ every 16 seconds

Transmission distance: ☐ maximum 100 feet in open field, depending upon surrounding structures, mounting location and possible interfering sources.

Power source (Alkaline batteries recommended)

- Receiver ☐ : ☐ 2 "AA" batteries, 1.5V batteries
- Transmitter ☐ : ☐ 2 "AA" batteries, 1.5V batteries
- Battery life ☐ : ☐ about 12 months

Dimension (L x W x H)

- Receiver ☐ : ☐ 132 x 79 x 63 mm
- Transmitter ☐ : ☐ 120 x 40 x 45mm

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 of 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.

Under the environment with radio frequency interference, the sample may malfunction and require user to reset the sample.