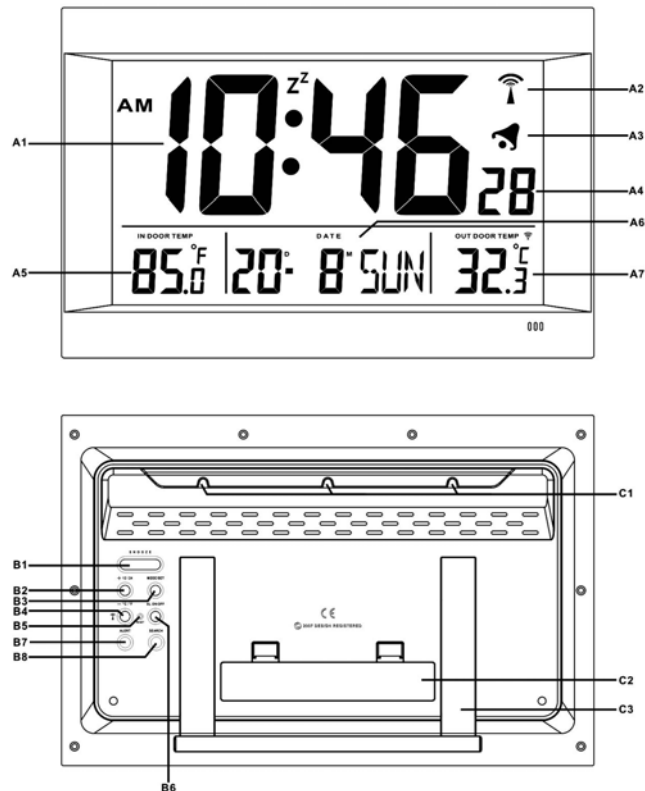


## KW9075RF WWVB

### 1. Features:

- Radio controlled clock with WWVB signal.
- 915MHz RF receiving frequency.
- Perpetual Calendar Up to Year 2069.
- 12/24Hour time display selectable.
- Calendar Display.
- Daily alarm with advance gradually alerting

### 2. Main Unit Appearance:



#### PART A:

A1: Radio Controlled Time.

A2: Radio Controlled Icon

A3: Alarm Icon

A4: Second

A5: Indoor Temperature

A6: Date & Day of Week

A7: Outdoor Temperature

#### PART B:

B1: "SNOOZE" Button

B2: "+/ 12/24" Button

B3: "MODE/SET" Button

B4: "-/ C/F " Button

B5: "RESET" Button

B6: "AL ON/OFF" Button

B7: "ALERT" Button

B8: "SEARCH" Button

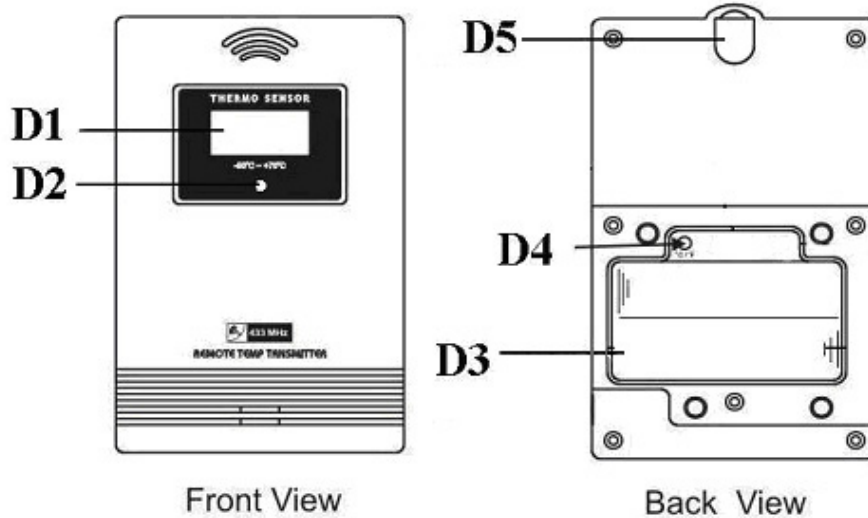
## PART C

C1: Wall Mount Hole

C3: Stand

C2: Battery Compartment Cover

### 3. Outdoor Sensor Appearance.



#### Thermo sensor unit

D1: Outdoor Temperature

D4: °C/°F" button

D2: Transmission Indication LED

D5: Wall Mount Hole

D3: Battery Compartment

## 4. Getting Started:

### 4.1 Main Unit:

- Open main unit battery compartment cover [C2]
- Insert 3 x C size batteries observing polarity [ "+" and " -" marks]
- Replace main unit battery compartment cover [C2]
- Use a pin to press the RESET [B5] button on the rear of the main unit, the main unit is now ready for use

### 4.2 Outdoor Thermo Sensor

- Battery compartment (D3) of thermo sensor is locating behind the back cover, unscrews the batteries cover to open.
- Insert 2 x AA batteries observing polarity [ "+" and " -" marks]

## 5. Installation

### 5.1 Main Unit


The main unit can be placed onto any flat surface (C3), or wall mounted by the hanging hole (C1) at the back of the unit.

### 5.2 Outdoor Thermo sensor

The remote sensor should be securely mounted onto a horizontal surface.

**Note:** *Transmissions between receiver and transmitter can reach up to 100m in open area. Open Area: there are no interfering obstacles such as buildings, trees, vehicles, high voltage lines, etc.*

## 6. RF Transmission




- The main unit automatically starts receiving transmission from outdoor thermo sensor for outdoor temperature after batteries inserted. RF icon “” flashes on the LCD.
- The thermo sensor unit will automatically transmit temperature signal to the main unit after batteries inserted.
- If main unit failed to receive transmission from outdoor thermo sensor in first 3 minutes after the batteries inserted, “- . -”display on the LCD.
- Hold “SEARCH” button (B8) for 3 seconds to receive transmission manually.
- Press “C/F” button (D4) on thermo sensor unit to select temperature to be displayed in Celsius mode or Fahrenheit mode.


## 7. Time and Alarm Setting

### 7.1 Radio Controlled Clock:




- After batteries inserted and main unit finishes receiving the transmission from outdoor thermo sensor, the clock automatically starts to scan the WWVB time

signal. Radio Control Icon “” flashes on the LCD.

 flashes, Indicating now is receiving WWVB signal	 turns on, Indicating signal received successfully	 disappear, Indicating signal reception failed
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- The clock automatically scans the time signal at 2.00 a.m. every day to maintain accurate timing. If reception fail, scanning stops (“” on LCD disappear) and

repeats again at 3.00 a.m. 4.00a.m. and 5.00a.m.

- The clock can be set to scan the time signal manually by holding “” button (B4) for 3 seconds. Each reception takes around several minutes. If receptions fail, scanning stops. (“” on LCD disappear) and repeats again on next full hour. E.g. scanning failed at 8:20a.m. It will scan again at 9:00a.m.
- Stop scanning by holding “” button (B4) for 3 seconds.

### 7.2 Manual Time Setting:

- In time display mode, hold “MODE” button (B2) for 3 seconds to enter Clock/Calendar setting Mode.
- Press “+” (B2) or “-” (B4) button to adjust the setting and press “MODE” button (B3) to confirm each setting.  
*(By keeping the “+” (B2) or “-” (B4) button pressed, could accelerate the process and reach the desired value more quickly)*
- The setting sequence is shown as follow: Hour, Minute, Second, Year, Month/Day sequence, Month, Date, DST


#### **Note:**

- (1) All Setting mode will automatically exit in 15 seconds without any adjustment
- (2) For Time Zone: the default setting is zone “E”. By holding “+” (B2) button for 3 seconds to adjust to other zones “P” “M” or “C”.
- (3) DST: When DST function is activated, and it's in Daylight Saving Mode (RCC signal with DST) “DST” would be shown on the LCD.

### 7.3 Daily Alarm Function:

- Press “MODE” button (B3) to select to view alarm Time, “AL” shown on the display
- When viewing the Alarm Time, hold “MODE” button (B3) for 3 seconds to enter Alarm Time setting. Press “+” (B2) or “-” (B4) button to adjust the alarm time. Press “MODE” button (B3) to confirm the setting.

### 7.4 Snooze Alarm Function:

- Press “AL ON/OFF” Button (B6) to activate or deactivate the alarm. If the alarm is on, alarm icon “” appears on the display.
- When alarm alerts, press any button to stop the alarm. Otherwise, the alarm signal sounds for about 2 minutes, then stops automatically.

- Press “SNOOZE” (B1) button when alarm alerts. The alarm snoozes for 5 minutes, then it alerts again. “Z<sup>Z</sup>” flashes on the LCD during the snooze time. This process can be repeated 7 times.
- Except “SNOOZE” button (B1), press any button to stop snooze alarm.

#### 7.5 12/24 Hour Display mode:





- Press “12/24” (B2) button to select 12 or 24 hours mode.

## 8. Thermometer


### 8.1 Temperature display

- Press “°C/°F” (B4) button to select Temperature in Celsius mode/ Fahrenheit mode.
- If the temperature is out of the measurable range, L.L.L (beyond the minimum temperature) or H.H.H (beyond the maximum temperature) will be shown on the LCD.

### 8.2 Temperature Alert function

- Press “ALERT” button (B7) to set the Outdoor Temperature Alert function on or off, “” appears on the LCD if temperature alert function is activated.
- Hold “ALERT” button (B7) for 3 seconds to enter outdoor temperature alert setting, upper limit icon “” flash on the display.
- Press “+” (B2) or “-” (B4) button to set the upper “” and lower “” limit of the outdoor temperature. Press “ALERT” button (B7) to confirm the setting.

## 9. Low battery indication:

The low battery icon “” turns on the display (beside the outdoor temperature), indicating that thermo sensor in low battery status. The batteries should be replaced.

## 10. Precautions

- *Use a pin to press the reset button (B5) if the Unit does not work properly.*
- *All Setting Modes will automatically exit in 15 seconds without any adjustment.*

- *The clock loses its time information when the battery is removed.*
- *Avoid placing the clock near interference sources/metal frames such as computer or TV sets.*
- *Do not expose it to direct sunlight, heavy heat, cold, high humidity or wet areas*
- *The outdoor sensor must not be set up and installed under water. Set it up in away direct sunlight and Rain*
- *Never clean the device using abrasive or corrosive materials or products. Abrasive cleaning agents may scratch plastic parts and corrode electronic circuits*

## 11. Specifications

<b>Indoor Data:</b>	
Temperature range:	0 to 50°C [+32 to +122°F]
Temperature Units Measured:	°C or °F [switchable]
<b>Outdoor Data:</b>	
Transmission distance:(open area)	100m @ 915MHz
Temperature range:	-20 ~ 50°C [-4 ~ +122°F]
<b>Main Unit Dimensions:</b>	W410 x h270 x d43 mm
<b>Thermo Sensor Dimensions:</b>	W75 x h113 x d20 mm
<b>Battery Requirements:</b>	
Base Station [indoor]:	3x C size batteries
Sensors [outdoor]:	2 x AA size batteries

**FCC Statement**

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.

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.