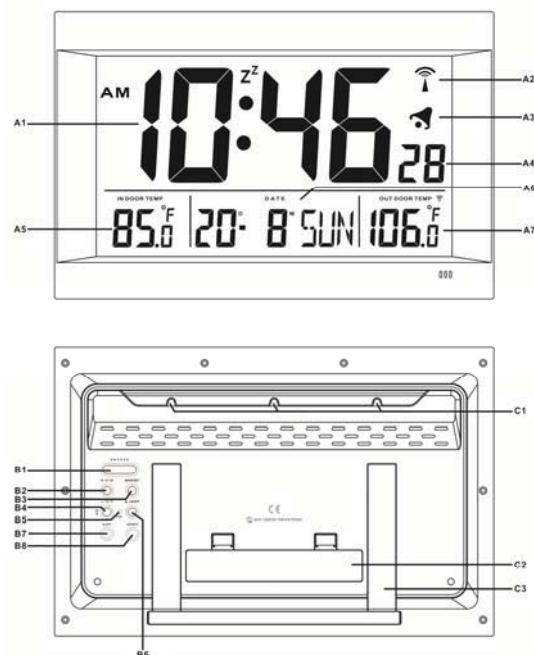**KW9075RF with outdoor cable probe   WWVB**

1. Features:

- Radio controlled clock with WWVB signal.
- 433.92MHz RF receiving frequency.
- Perpetual Calendar Up to Year 2099.
- 12/24Hour time display selectable.
- Daily snooze alarm function
- Indoor Temperature measurement: range 32F ~ 122F
  Outdoor Temperature measurement: range -58F ~ +158F

2. Main Unit Appearance:

PART A:

A1: Radio Controlled Time.   A5: Indoor Temperature

A2: Radio Controlled Icon   A6: Date & Day of Week

A3: Alarm Icon   A7: Outdoor Temperature

A4: Second

PART B:

B1: "SNOOZE" Button   B5: "RESET" Button

B2: "+/ 12/24" Button   B6: "AL ON/OFF" Button

B3: "MODE/SET" Button   B7: "ALERT" Button

                                   B8: "SEARCH" Button

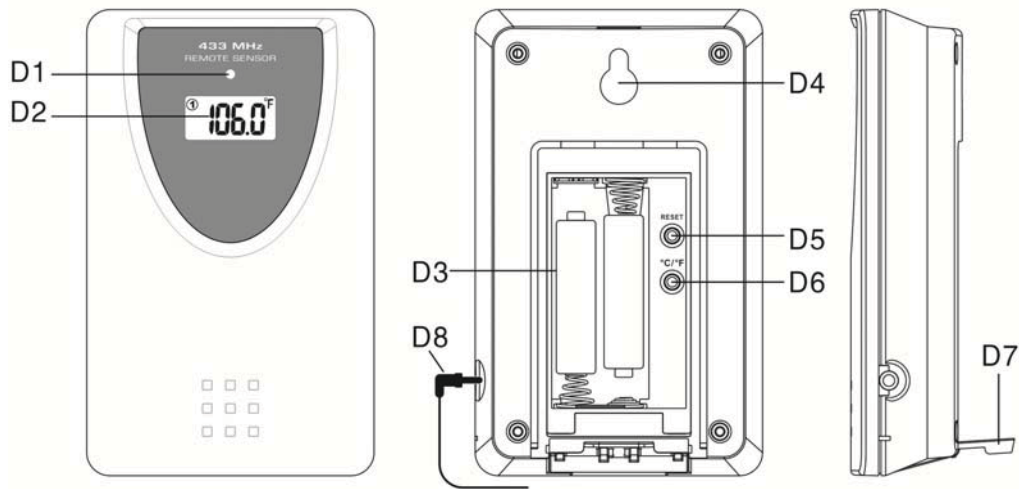B4: "-/ C/F/ 📶 "Button

PART C

C1: Wall Mount Hole   C3: Stand

C2: Battery Compartment Cover

3. Outdoor Sensor Appearance.

D1: Transmission Indication LED   D5: "RESET" button

D2: Outdoor Temperature   D6: °C/°F" button

D3: Battery Compartment   D7: Stand

D4: Wall Mount Hole   D8: Cable probe

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 AAA 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 (D5) 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

- 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 5.00 am.

- 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 (B3) 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 around 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, except "SNOOZE" button, 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 around 5 minutes, then it alerts again. "Z^Z" flashes on the LCD during the snooze time. This process can be repeated 7 times.

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, LL.L (beyond the minimum temperature) or HH.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. The use of temperature probe

- Insert the probe plug (D8) to the jack on the right hand side of the Thermo Sensor Unit.
- Put the probe outside and leave the thermo sensor unit in indoor area to avoid freezing up the battery when the outdoor temperature is below -4F.
  Always use the temperature probe to sense the temperature when the temperature is between the following range: -58F ~ -4F and +122F ~ + 158F

10. Low battery indication:

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

11. 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*

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