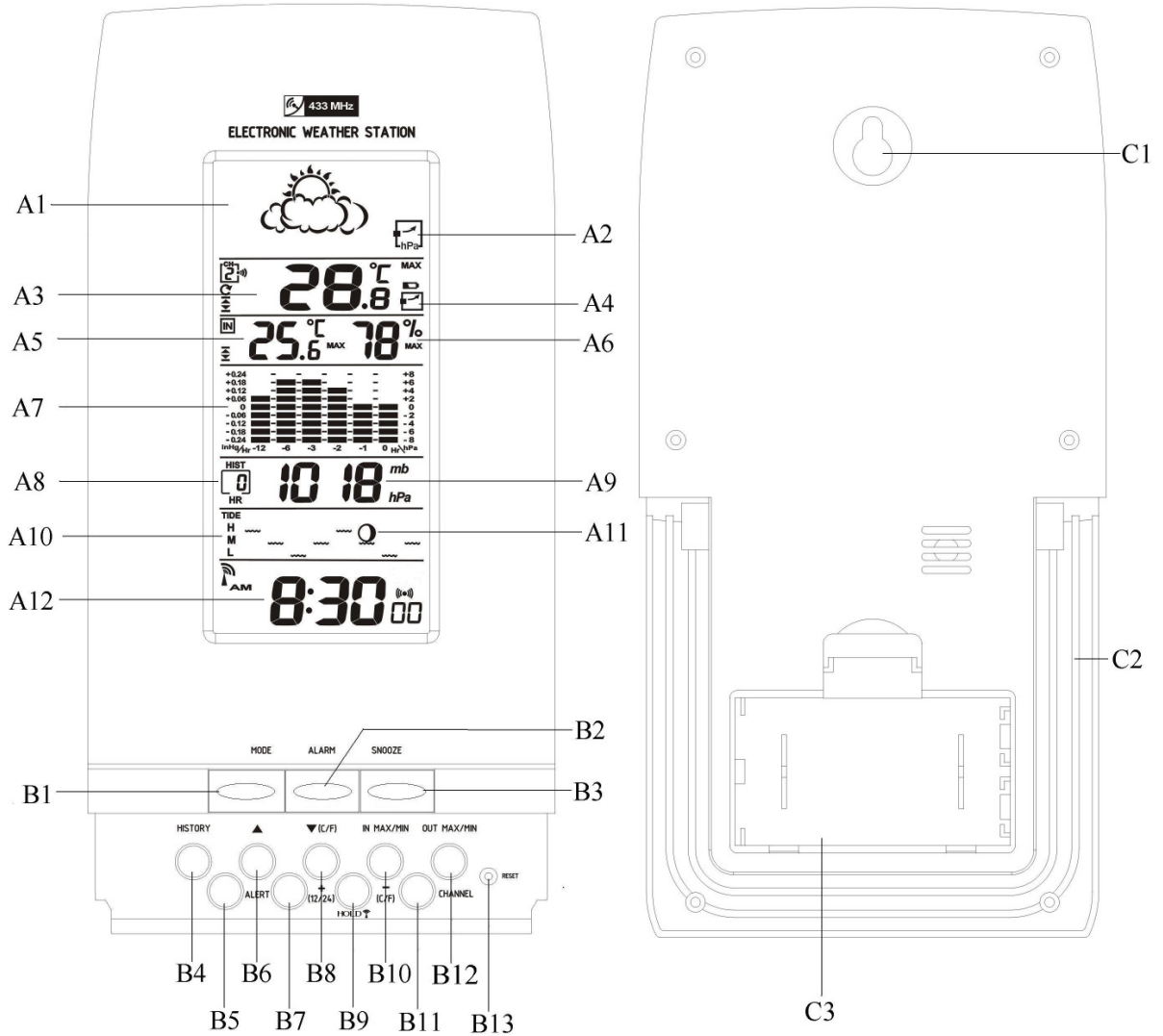


## 205311

### Features:

- Radio controlled time with manual setting option
- Barometric Pressure Measurement.
  - Weather Forecast with Sunny, Slightly Cloudy, Rainy and Cloud Burst.
  - Barometric Pressure Bar Chart and past 12 hr Barometric Pressure Reading.
- 433MHz RF receiving frequency.
- Maximum three selectable RF channels with wireless Thermo Sensor.
- Transmission range: 30 meters ( open area ).
- Measuring range:
  - Indoor temperature : 0°C ~ +50°C
  - Humidity : 30% ~ 90%
  - Outdoor temperature : -50°C ~ +70°C
- Outdoor temperature alert function.
- Max/Min Memory for Humidity, Indoor and Outdoor Temperature.
- Moon Phase Display.
- High Tide, Medium Tide and Low Tide Indication.
- Low-battery indicator for Weather Station and Outdoor Remote Sensor.
- Perpetual Calendar Up to Year 2069.
- 12/24Hour time display selectable.
- Day of week in 7 Languages Selectable.
- Battery:
  - KW5089W : DC 1.5 V AA size x 2 pcs
  - Thermo Sensor Unit : DC 1.5 V AA size x 2 pcs
- Size : 190 x 95 x 22 mm

## Main Unit Appearance



Front View

Back View

### Part A- LCD

- |   |  |
|---|--|
| A1: Weather Forecast                    | A2: Pressure Trend Indicator             |
| A3: Outdoor Temperature                 | A4: Outdoor Temperature Trend Indicator. |
| A5: Indoor Temperature.                 | A6: Indoor Humidity                      |
| A7: Barometric Pressure Trend Bar Chart | A8: Past Hour Indicator                  |
| A9: Barometric Pressure Meter           | A10: Tide Indicator.                     |
| A11: Moon Phase Indicator.              | A12: Radio Controlled Time               |

### Part B- Buttons

- |                           |                            |
|---------------------------|----------------------------|
| B1: "MODE/SET" button     | B2: "ALARM ON/OFF" button. |
| B3: "SNOOZE/LIGHT" button | B4: "HISTORY" button       |
| B5: "ALERT" button        | B6: " " button $\Delta$    |

B7: “+(12/24)” button

B8: “ ” button ▽

B9: “-(°C/°F)” button

B10: “MAX/MIN” button

B11: “CHANNEL” button

B12: “MEM” button

B13: “RESET” button

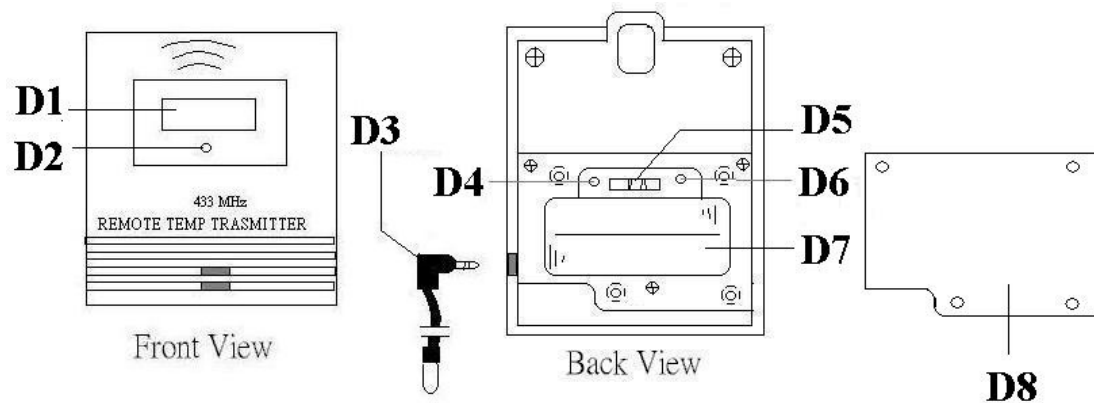
### Part C- Structure

C1: Wall Mound Hole

C2: Stand

C3: Battery Compartment.

### Thermo Sensor Unit Appearance.



D1: Outdoor Temperature

D2: Transmission Indication LED

D3: Temperature Probe

D4: “TX” button

D5: Channel Selecting Switch

D6: “°C/°F” button

D7: Battery Compartment

D8: Battery Door

### Radio Controlled Clock:

- The clock automatically starts scanning the RF 433MHz signal to register new Thermo Sensor Unit after new batteries inserted. After registered new channels or press “CHANNEL” button to stop scanning, the clock will then scan the DCF frequency signal ( “ ” flashes on the LCD )
- The clock automatically scans the time signal at 2.00 a.m. everyday to maintain accurate timing. For failed reception in 5 minutes, scanning stops ( “ ” on the LCD disappear ) and repeats again at 3.00 a.m. 4.00a.m. and 5.00a.m.
- The clock manually scans the time signal by holding “ - ” button for 3 seconds. For failed reception in 5 minutes, scanning stops. ( “ ” on the LCD disappear ).

- Press “-” button to stop scanning when receiving DCF signal.

“📶” flashes indicate now is receiving DCF signal

“📶” turns on indicate signal received successfully

### Manual Time Setting:


- Hold “MODE” button for 2 seconds.
- Press “+” or “-” buttons to adjust Hour, Minutes, Second, Year, Month/Day sequence, Month, Day, Time Zone, Day-of-week language.
- Press “MODE” button to confirm each setting.
- 7 languages can be selected in Day-of-week, they are: German, English, Denmark, Dutch, French, Italian and Spanish. The languages and their selected abbreviations for each day of the week are shown in the following table.

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GE	SO	MO	DI	MI	DO	FR	SA
English, EN	SU	MO	TU	WE	TH	FR	SA
Denmark, DA	SO	MA	TI	ON	TO	FR	LO
Dutch, NE	ZO	MA	DI	WO	DO	VR	ZA
French, FR	DI	LU	MA	ME	JE	VE	SA
Italian, IT	DO	LU	MA	ME	GI	VE	SA
Spanish, ES	DO	LU	MA	MI	JU	VI	SA

- The zone is used for the countries where can receive the DCF signal but the time zone is different from the German time.
- When the country time is faster than the German time for 1 hr, the zone should be set to 1. Then the clock will automatically set 1 hour faster from the signal time received.
- The Time Setting Mode will automatically exit in 5 seconds without any adjustment.

### Snooze Alarm Clock Function:

- Press “MODE” button to select to view :  
Time → Date/Month /Weekday → Alarm Time (“ALM” “ Shown on the LCD)
- When viewing the Alarm Time, hold “MODE” button for 3 seconds to enter Alarm Time setting. Press “+” or “-” buttons to adjust the alarm time.

- Press “ALARM” button to switch alarm on or off. If it is on, “ ” shown on the LCD. Hold “ SET/CLEAR” button for 2 seconds to set the alarm time.
- Snooze alarm snoozes for 5 minutes, then it alarms again.
- Press any button to stop the snooze alarm.

#### **Maximum/Minimum Outdoor Temperature recording function:**



- Press “MAX/MIN” button to show the maximum outdoor temperature.  
“**MAX**” is shown on the LCD
- Press “Max/Min” button again to show the minimum outdoor temperature.  
“**MIN**” is shown on the LCD.
- Hold “MAX/MIN” button for 3 seconds to clear the recorded maximum and minimum reading.


#### **Maximum/Minimum Indoor Temperature and Humidity recording function:**


- Press “MEM” button to show the maximum indoor temperature and humidity.  
“**MAX**” is shown on the LCD
- Press “MEM” button again to show the minimum outdoor temperature and humidity..  
“**MIN**” is shown on the LCD.

Hold “MEM” button for 3 seconds to clear the recorded maximum and minimum reading.

#### **Weather Forecast function:**

- After Batteries inserted, or holding “HISTORY” button for 3 seconds, Pressure Reading’s digits flashes(LCD-A9). Enter the height of the weather station above sea level by pressing “  or “  buttons. Press “HISTORY” button to confirm the setting. After entered the height, the Pressure Reading shows the Barometric Pressure at the sea level. The weather forecast may not accurate if height enter is not correct.
- The height should be reentered if the height is changed.
- Totally 5 different weather in the weather forecast.

“  ” means **Sunny** .

“  ” means **Slightly Cloudy**.

“  ” means **Cloudy**.

“  ” means **Rainy**

“  ” means **Cloudburst**.

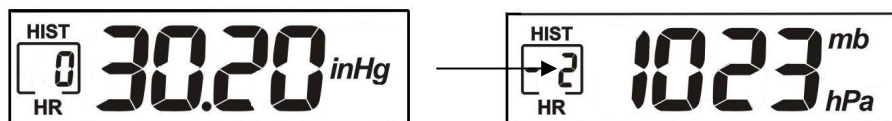
- If there is any inconsistency of weather forecast between Local Weather Station and this unit, the Local Weather Station's forecast should prevail.
- The trend pointer displayed on the LCD indicates the trend of the outdoor temperature.


“  ” indicates the barometric pressure trend is increasing.

“  ” indicates the barometric pressure trend is steady.

“  ” indicates the barometric pressure trend is decreasing.

### Barometric Pressure Meter



- Hold “  ” button for three seconds to select the unit for Barometric Pressure Meter in inHg or mb / hPa.
- Press “ HISTORY ” button to view the past 12 hour Barometric Pressure history. The hour is indicated on the LCD.

- 0 HR = Current Barometric Pressure Reading
- 1HR = Barometric Pressure Reading in 1 hour ago
- 2HR = Barometric Pressure Reading in 2 hour ago .....etc

**Barometric Pressure Trend Bar Chart.**

- The Barometric Pressure Trend recorded in the past 12 hour is shown on the Barometric Pressure Trend Bar Chart. ( LCD-A7).

**Thermometer:**

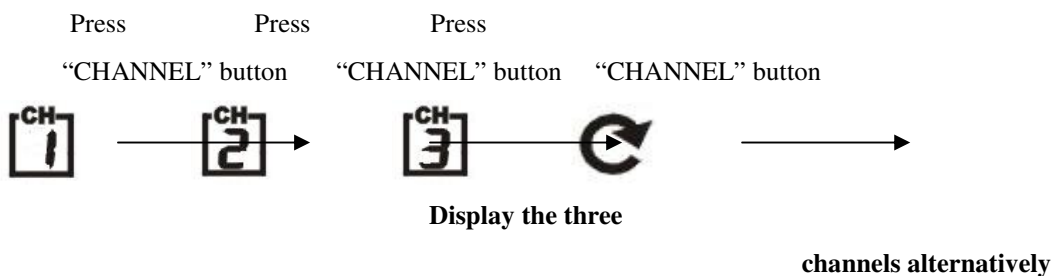
- Press “-(°C / °F)” button to select Outdoor Temperature in Celsius mode/ Fahrenheit mode.
- Press “▽” button to select Indoor Temperature in Celsius mode/ Fahrenheit mode.

**Outdoor thermo sensor unit registration procedure:**

- The weather station automatically starts receiving transmission from Outdoor Thermo Sensor for outdoor temperature after new batteries are inserted.
- The sensor will automatically transmit temperature to the weather station after batteries inserted. Batteries compartment of thermo sensor is locating behind the back cover, unscrews to open.
- For having more than one external transmitter (Maximum3), select the Channel, CH1, CH2 or CH3 to ensure each sensor is transmitting difference channel before inserting batteries. The channel select switch is at the back of the thermo sensor.
- Press “TX “ button on the thermo sensor unit to transmit temperature to the weather station manually. The weather station gives a “beep” sound if it received the temperature.

**Display outdoor temperature :**

- Press “ CHANNEL” button to view the 3 Channels’ temperature. The sequence is shown as follow:




- Hold “ CHANNEL” button for 3 seconds to cancel unused channel manually. It will

automatically register a new channel again if a new channel is received.

- The trend pointer displayed on the LCD indicates the trend of the outdoor temperature.

“  ” indicates the outdoor temperature is increasing.

“  ” indicates the outdoor temperature is steady.





“  ” indicates the outdoor temperature is decreasing.

- Press “ °C /°F” button, on the Thermo Sensor unit, to select Thermo Sensor displayed in Celsius mode or Fahrenheit mode.

#### **The use of 1.5m cord Temperature Probe:**

- Insert the probe plug on the right hand side of the Thermo Sensor Unit.
- Put the metal casing outside and leave the Thermo Sensor Unit in a indoor area to avoid freezing up the battery when the outdoor temperature is below -20 °C.
- Always use the temperature probe to sense the temperature when the temperature is between the following range:  
-50 °C ~ 0°C and +50°C ~ + 70°C

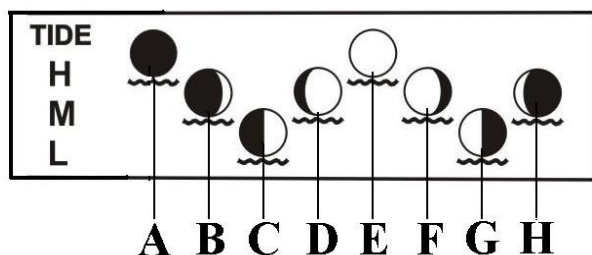
#### **Outdoor Temperature Alert function:**

- Press “ ALERT” button to set the Outdoor Temperature Alert function on or off  
  
( “  ” appears on the LCD if this function is on).
- Hold “ ALERT” button for 3 seconds to enter the Alert setting. Outdoor temperature flashes.
- Press “ +” or “-” button to select the channel for the temperature alert.
- Press ”ALERT” button to confirm the settings.
- Press “ +” or “-” button to set the upper “  ” and lower “  ” limit of the temperature.



## Moon Phase and Tide Indication

The Moon Phase of each day is shown on the LCD.





A: New Moon                      B: Waxing Crescent                      C: First Quarter  
D: Waxing Gibbous                      E: Full Moon                      F: Waning Gibbous  
G: Last Quarter                      H: Waning Crescent

Tide Status :

H : High Tide                      M: Medium Tide                      L: Low Tide

### Low batteries indicator:

- Low battery icon “” appear at indoor temperature row indicating weather station in low battery status.
- Low battery icon “” appear at outdoor temperature row in particular channel indicating the external transmitter of the channel in low battery status.

*Note:*

- *Always read the users manual carefully before operating the Unit.*
- *Avoid placing the clock near interference sources/metal frames such as computer or TV sets.*
- *The clock loses its time information when the battery is removed.*
- *Buttons will not function while scanning for DCF or outdoor temperature signal unless they are well received or stopped manually.*
- *All Setting Mode will automatically exit in 5 seconds without any adjustment.*