WS9252 - RADIO CONTROLLED WIRELESS WEATHER STATION

USER'S INSTRUCTION

Please read the instructions carefully and keep the manual well for future reference.

GETTING START
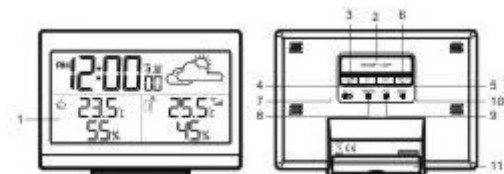
Before using the main unit and transmitter:
1. Remove the battery door of the main unit and transmitter.
2. Install 2 new AA size batteries for both main unit and transmitter, according to the polarity mark on the battery compartment.
3. Replace the battery door.
4. After the batteries are installed, all LCD segment will be shown.
5. Press the "RESET" key of main unit first, and press the "RESET" key of transmitter.
6. It will automatically receive 433 MHz signal from transmitter for channel test in 8 seconds.
7. After 5 minutes channel test, it will turn to RC signal reception automatically.
8. Radio controlled function, the current time & date automatically synchronized with the time signal transmitted from Germany(DCF77).

Note:
1. The unit can operate up to 3 remote transmitters.
2. Position the unit and transmitter within the effective transmission range: 50 meters in usual circumstances.
3. In some cases, you may not receive the signal immediately, you can reset the unit and transmitter again as described above.
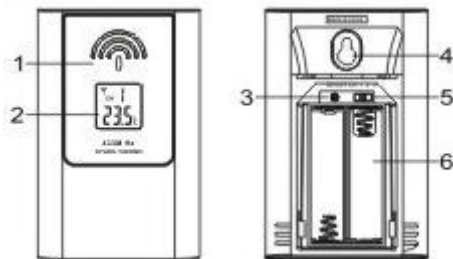
MAIN FEATURES

MAIN UNIT:

1. LCD display
- Display of the time, alarm time, outdoor & indoor temperature & humidity and weather forecast.
2. SNOOZE / LIGHT key
- Press it to turn on backlight for 5 seconds.
- When the alarm is sounding, press it to stop the current alarm and activate snooze.
3. ALARM SET key
- Press it to display alarm time for 5 seconds. During alarm time displayed, press it to turn on/ off alarm function.
- Press and hold it for 3 seconds to enter alarm setting mode.
- In alarm setting mode, press it to step the setting item, and press it to save and exit the setting.
4. CH/+ key
- In normal mode, Press it to select channel 1 to channel 3.
- Press and hold it for 3 seconds to turn to channel auto-change mode. Press it again to return to normal mode.
- In setting mode, press it to adjust the value of the flashing digit upwards. And press it without releasing to speed up the setting.
5. MEM/- key
- In normal mode, press it to check the max./min. indoor and outdoor temperature record for 5 seconds.
- Press and hold it for 3 seconds to delete the max./min. temperature record.
- In setting mode, press it to adjust the value of the flashing digit downwards. And press it without releasing to speed up the setting.
6. DISPLAY SET key
- In normal mode, press and hold it for 3 seconds to enter time setting mode.

- In time setting mode, press it to step the setting item, and press and hold it for 3 seconds to save and exit the setting.
7. °C/°F slide switch
- Select temperature unit between °C/°F.
8. SENSOR key
- Press it to start 433 MHz channel test for main unit & transmitter.
- During the channel test, press and hold it for 3 seconds to manual turn off.
9. RCC key
- Press it to manual receive RC signal.
- During the RC reception, press and hold it for 3 seconds to turn off synchronisation.
10. RESET key
- In case of mal-function, press it by using a metal wire to reset all the values.
11. Battery door

TRANSMITTER:

1. LED indicator
- Flashes when the remote unit transmitting a reading.
- Display of the channel, temperature and humidity.
2. LCD display
3. CHANNEL slide switch
- Assign the transmitter to Channel 1, 2 or 3.
4. RESET key
- Press it to reset the transmitter.
5. Wall-mounting holder
- Use it to support the transmitter on the wall.
6. Battery compartment

SIGNAL STRENGTH INDICATOR

The signal indicator flashing means time signals are being received. If the RC weather station receives signal successfully, a sync-time symbol "🌦" appears on the LCD. The unit has already received the time signal. Otherwise, the signal strength symbol will disappear from the LCD display.

Note:
You may press "RCC" key to receive the time signal manually. The receive mode will be off automatically after 6-16 minutes. Receive mode consumes more battery power that may reduce battery lifetime.
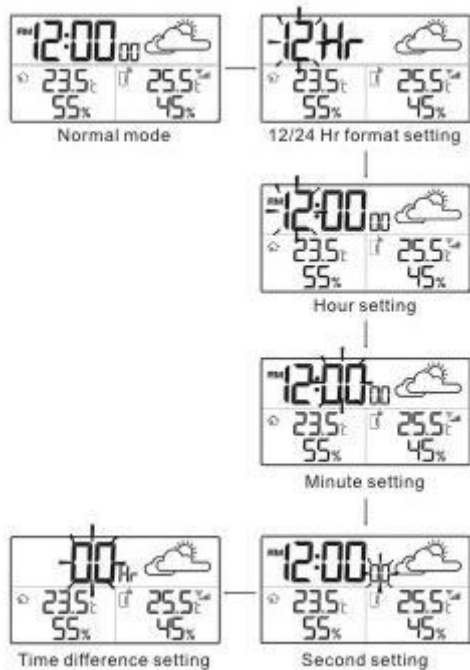
DAYLIGHT SAVING TIME(DST)

The weather station has been programmed to automatically switch when daylight saving time is in effect. Your weather station will display "DST" on the LCD during the summer.

TIME AND CALENDAR SETTING

If the weather station does not receive the time signal successfully, you can set the time manually. As soon as the transmitter is received again, the clock will automatically synchronize with the received time.
1. In normal mode, press and hold "DISPLAY SET" key for 3 seconds until the Hour format digit flashing.
2. Press "+" / "-" key to select 12/24 hour format.
3. Press "DISPLAY SET" key again to step the setting item to Hour with the Hour digit flashing.

4. Press "+" / "-" key to adjust the value of the flashing digit.
5. Do the above operation in this sequence: 12/24 Hr > Hour > Minute > Second > Time difference.
6. Press and hold "DISPLAY SET" key for 3 seconds to save and exit the setting.

Normal mode   12/24 Hr format setting

Hour setting

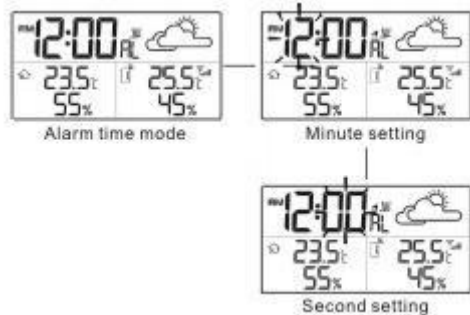Minute setting

Time difference setting   Second setting

Note:
If your local time is different from the RC received time, you can set the desired time difference. The available time difference is from -23 hours to +23 hours. After setting the desired time difference, the weather station will show the time that RC received time plus/minus the time difference.

ALARM TIME SETTING

1. In normal mode, press and hold "ALARM SET" key for 3 seconds until the Hour digit flashing.
2. Press "+" / "-" key to adjust the value of the flashing digit.
3. Press "ALARM SET" key again to step the setting value to Minute with the Minute digit flashing.
4. Press "+" / "-" key to adjust the value of the flashing digit.
5. Press "ALARM SET" key to save and exit the setting.

Alarm time mode   Minute setting

Second setting

Note:
1. In alarm mode, the "AL" icon will display on the LCD.
2. The alarm function will turn on automatically once you set the alarm time.

USING ALARM AND SNOOZE FUNCTION

1. Set the desired alarm time as described in the above section.
2. Or press "ALARM SET" key to display the alarm time, press it again to turn on alarm function with the alarm icon "🔔" displayed on the LCD.
3. When weather station reach the alarm time, alarm sound will start. Where, it can be stopped by following operation:
a). Auto-stop after two minutes alarming if without any operation and it will re-alarm by the next day.
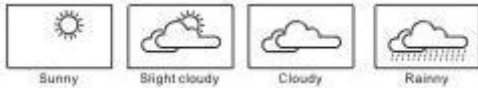b). By pressing "SNOOZE" key to enter snooze that the alarm will sound again after 5 minutes.

c). By pressing "ALARM SET" key to turn off the alarm function.

Note:
1. The snooze could be used continuously in 24 hours.
2. During the snooze, the alarm icon will keep flashing.

ABOUT THE WEATHER INDICATOR

The built-in barometer can notice atmosphere pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 12-24 hours.
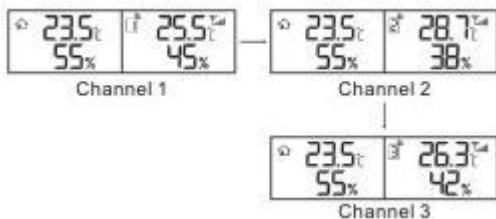

Sunny   Slight cloudy   Cloudy   Rainny

Note:
1. The accuracy of a general pressure-based weather forecast is about 70% to 75%.
2. The weather forecast is meant for the forthcoming 12-24 hours. It may not necessarily reflect the current situation.

VIEW THE CHANNEL

1. The default displayed channel is channel 1. In normal mode, press "+CH" key to check the outdoor temperature & humidity from channel 1 to channel 3.
2. Press and hold "+/CH" key for 3 seconds to turn to channel auto-change mode that the channels change automatically.
3. Press "+/CH" key again to return to normal mode.

Channel 1   Channel 2

Channel 3

Note:
In channel auto-change mode, channels change automatically in every 4 second.

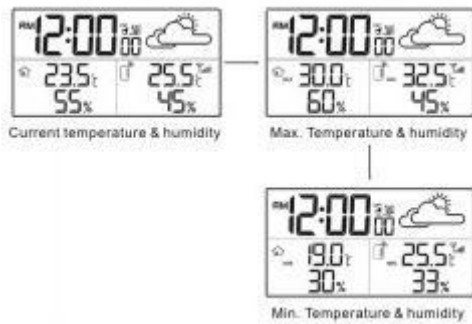## READING INDOOR&OUTOOR TEMPERATURE AND HUMIDITY RECORDS

1. Push "°C/°F" switch to change the temperature unit to Celsius or Fahrenheit.
2. Press "CH/+" key to change the channels among 3 channels and check their temperature and humidity.

Note:
1. Once the channel is assigned to one transmitter, you can only change it by removing the batteries or resetting the unit.
2. If no signals are received or the transmission is interfered, "---" will appear on the LCD.
3. Relocate the weather station or the transmitter in other positions and make sure the transmission is within the effective range of 50 meters approx.
4. After several trials in vain, please reset the weather station thoroughly. Try out where your multifunctional weather station receives the signals best.

CHECKING AND DELETING MAX./MIN. TEMPERATURE AND HUMIDITY REOCRDS

1. Press "MEM/-" key to check and keep the maximum / minimum temperature record for 5 seconds.
2. Press and hold the "MEM/-" key for 3 seconds to delete the maximum and minimum temperature records.
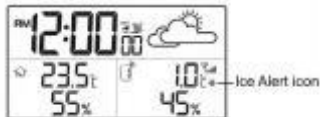
Current temperature & humidity

Max. Temperature & humidity

Min. Temperature & humidity

Note:
Once you reset or re-install batteries for the main unit, all the value will be defaulted.

ICE ALERT

1. When the outdoor temperature within the range of -2°C~3°C (28°F~37°F), the Ice Alert icon " ❄ " will display on LCD & flashing continuously.
2. Ice Alert icon " ❄ " will disappear when outdoor temperature out of above temperature range.

BATTERY REPLACEMENT

When the LCD becomes dim, replace with 2 AA size batteries at once; while if the low battery indicator " ❄ " displays in the outdoor window, it indicates that the battery power of the transmitter is not enough, and you should replace with 2 AA size batteries at once.

SUGGESTION

1. Everyday the unit will automatically search for the time signal at 2:00, 8:00, 14:00 and 20:00.
2. Always place the unit away from interfering sources such as TV set, computer, etc.
3. Avoid placing the unit on or next to metal plate.
4. Closed area such as airport, basement, tower block or factory is not recommended.
5. Do not start reception on a moving article such as vehicle or train.

SPECIFICATION

MAIN UNIT

Temperature measurement range:	-40.0~70.0°C (-40.0~158.0°F)
Recommended operating range:	0~45.0°C (32.0~113.0°F)
Resolution:	0.1°C/°F
Humidity measurement range:	20%~90%RH
Recommended operating range:	20%~90%RH

Resolution:	1%RH
Radio Controlled signal:	DCF77

REMOTE SENSOR

Temperature measurement range:	-40.0~70.0°C (-40.0~158.0°F)
Recommended operating range:	-20.0~55.0°C (-4.0~131.0°F)
Resolution:	0.1°C/°F
Humidity measurement range:	20%~90%RH
Recommended operating range:	20%~90%RH
Resolution:	1%RH
RF transmission frequency:	433 MHz
RF transmission range:	Maximum 50 meters
No. of remote sensor:	Up to 3 units
Temperature sensing cycle:	Around 60~64seconds

<u>POWER</u>

Main unit:	3V, use 2×AA 1.5V battery
Remote sensor:	3V, use 2×AA 1.5V battery

<u>DIMENTION</u>

Main unit:	140(W)×100(H)×47(D)mm
Remote sensor:	65(W)×100(H)×35(D)mm