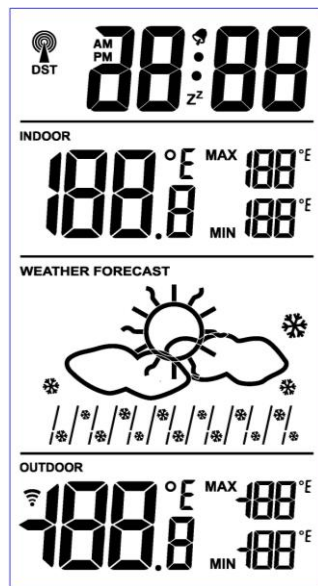


WS9135 INSTRUCTION MANUAL

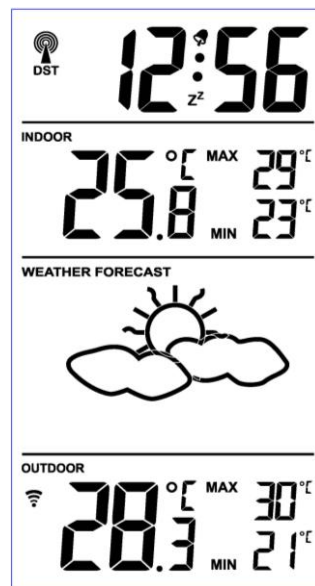
1. Main functions:

- 5 function keys: SNOOZE, SET, +/C/F, -/WAVE, ALARM
- Time display of 4 digits in hours and minutes
- Time in 12/24HR format
- DCF-77 radio-controlled clock
- Indoor /outdoor temperature
- RF distance 50m (free field)
- Temperature in °C/°F
- Max/Min memory of thermometer, the data will be cleared every day on 0:00
- Alarm function
- 7 weather forecast symbols: sunny, semi-sunny, cloudy, rainy, rainstorm, snow, heavy snow

2. LCD display:



Full display diagram



Normal display

3. INSTALL /CHANGE BATTERY AND RESET

- In the main unit (receiver): Install 2x AAA 1,5V batteries (not included), according to polarities.
- In the transmitter : Install 2 x AA 1,5V batteries (no included), according to polarities.
- While started or when reset, the LCD is fully displayed for 3 seconds. Then proceeds to standard mode to test temperature, barometer, RF reception and DCF-77 reception.
- Default parameter
 - Calendar displays in 0:00, 1st Jan., 2014
 - Time displays in 0:00 (24HR)
 - Alarm displays in 6:00
 - The weather icon displays in semi-sunny.
 - Temperature display in °C,

4. KEY FUNCTIONS AND OPERATION:

4.1. Normal mode:

- Hold "SET" for more than 2 seconds to enter the manual settings.
- Press "+/C/F" once to choose between °C or °F.
- Hold "-/Wave" for more than 2 seconds to start the DCF-77 reception.

- Press "🔔" once to switch to alarm time display, it will back to normal when there is no key operation within 10 seconds.
- Hold "🔔" more than 2 seconds to enter the alarm setting mode.
- While the alarm sounds, press "SNOOZE" and the alarm will ring again in 5 minutes.

4.2. Manual Setting mode

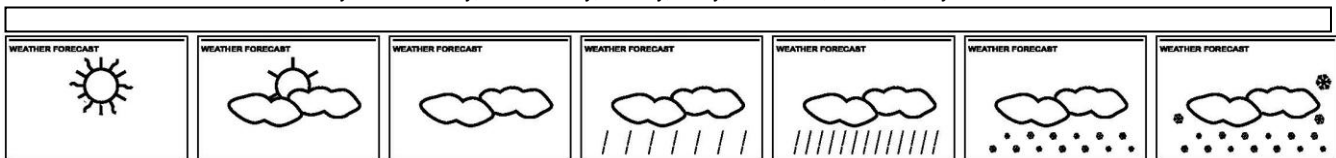
- In normal display, hold the "SET" button for more than 2 seconds to enter manual setting mode.
- The year digits flash on the LCD, press "+/C/F" or "-/wave" to adjust the year. Hold a button for more than 2 seconds to accelerate this operation.
- Press "SET" once and the month digits flash on the LCD. Press "+/C/F" or "-/wave" to adjust the month.
- Press "SET" once and the date digits flash on the LCD. Press "+/C/F" or "-/wave" to adjust the date.
- Press "SET" once and "00" is flashing on the LCD. Press "+/C/F" or "-/wave" to adjust the time zone.
- Press "SET" once and "24 Hr" is flashing on the LCD. Press "+/C/F" or "-/wave" to choose between 12 Hr or 24 Hr time display.
- Press "SET" once and the hour digits flash on the LCD. Press "+/C/F" or "-/wave" to adjust the hour.
- Press "SET" once and the minute digits flash on the LCD. Press "+/C/F" or "-/wave" to adjust the minutes.
- Press "SET" again or press no key pressed for approx. 20 seconds to exit the setting mode.

4.3. Alarm Setting mode

- In normal mode, press the "🔔" button once to display the alarm time, press "+/C/F" or "-/wave" to activate or deactivate the alarm.
- In normal mode or alarm time display mode, hold the "🔔" button for more than 2 seconds to enter the alarm time setting mode.
- Press "🔔" once and the hour digits flash on the LCD. Press "+/C/F" or "-/wave" to adjust the alarm hour. Hold a button for more than 2 seconds to accelerate this operation.
- Press "🔔" once and the minute digits flash on the LCD. Press "+/C/F" or "-/wave" to adjust the alarm minutes.
- Press "🔔" again or press no key pressed for approx. 20 seconds to exit the setting mode.

5. WEATHER ICONS

- The 7 weather forecast symbols: sunny, semi-sunny, cloudy, rainy, rainstorm, snow, heavy snow



6. ALARM FUNCTION

- While alarm, the 🔔 icon flashes,
- While alarm, press 'SNOOZE' to start 5 minutes snooze time, icons Z^Z & 🔔 icons are flashing.
- Press other keys to stop the alarm

7. RF TEMPERATURE

- The station will automatically receive start the outdoor sensor reception for 3 minutes.
- 📶 Icon will be displayed.
- In normal mode, hold "+/C/F" more than 2 seconds to start the outdoor sensor reception, previous received data will be cleared.
- When in RF receiving mode, other keys are no function except "+/C/F" to exit.
- When the outdoor sensor was not received, it will be displayed again when a new signal is received.

8. DCF-77 Reception

1. DCF-77 will be automatically received after start or reset.
2. Press "-/WAVE" for 2 seconds to start the reception.
3. Automatic reception: On 1:00, 2:00 and 3:00. If the reception fails, it will continue at 4:00 and 5:00.

4. When reception of DCF-77 signal, the display will show the flashing DCF symbol.
5. When receiving the signal, the arc antenna symbol is flashing.
6. When the signal is weak, the arc antenna symbol will not flash.
7. After successful reception, the DCF-77 symbol will be displayed.

SPECIFICATIONS

Temperature testing scope: 0°C to 50°C (32°F to 122°F), it display LL.L or HH.H when the temperature not in the scope.

Temperature testing cycle: 30 seconds

Temperature accuracy: 20°C~24°C(68°F to 75°F): ±0.5°C(±1°F)
0°C~20°C(32°F to 68°F),24°C to 50°C(75°F to 122°F) : ±1°C(±2°F)

Other range : ±2°C(±4°F)

RF temperature scope: -40 °C ~ +70°C(-40°F to 158°F)

Year setting scope: 2000-2099

Trouble shooting

The station receives the time with wireless technology. Same as all wireless devices, the reception is maybe affected by the following circumstances:

- long transmitting distance
- nearby mountains and valleys
- near freeway, railway, airports, high voltage cable etc.
- near construction site
- among tall buildings
- inside concrete buildings
- near electrical appliances (computers, TV's, etc) and metallic structures
- inside moving vehicles

Place the station at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances.

Precautions

- This main unit is intended to be used only indoors.
- Do not subject the unit to excessive force or shock.
- Do not expose the unit to extreme temperatures, direct sunlight, dust or humidity.
- Do not immerse in water.
- Avoid contact with any corrosive materials.
- Do not dispose this unit in a fire as it may explode.
- Do not open the inner back case or tamper with any components of this unit.

Batteries safety warnings

- Use only alkaline batteries, not rechargeable batteries.
- Install batteries correctly by matching the polarities (+/-).
- Always replace a complete set of batteries.
- Never mix used and new batteries.
- Remove exhausted batteries immediately.
- Remove batteries when not in use.
- Do not recharge and do not dispose of batteries in fire as the batteries may explode.
- Ensure batteries are stored away from metal objects as contact may cause a short circuit.
- Avoid exposing batteries to extreme temperature or humidity or direct sunlight.
- Keep all batteries out of reach from children. They are a choking hazard.

Consideration of duty according to the battery law



Old batteries do not belong to domestic waste because they could cause damages of health and environment. You can return used batteries free of charge to your dealer and collection points. As end-user you are committed by law to bring back needed batteries to distributors and other collecting points!

Consideration of duty according to the law of electrical devices



This symbol means that you must dispose of electrical devices separated from the General household waste when it reaches the end of its useful life. Take your unit to your local waste collection point or recycling centre. This applies to all countries of the European Union, and to other European countries with a separate waste collection system.

