315911

Package Contents:

Carefully unpack and remove the contents:

- 1x weather station main unit
- All in one sensor with solar panel
- 1x stainless steel mast
- Stainless steel accessory for fixing.
- 1x adapter

Features:
- Radio controlled clock with manual time setting option.
- Automatic receiving of time signal DCF77 to display exacts time
- Automatically switches to summer/winter time
- Manually set the time.
- +/-12 total 24 adjustable time zones
- Weather forecast with symbols for sunny, slightly sunny, cloudy, rainy, storm
- Date, Month and Day of week
- Continuous perpetual calendar up to 2099
- Day of week display available in 7 languages (German, English, Italian, French, Dutch, Spanish, Danish)
- Time display in 12 or 24-hour format
- Temperature display in °C or °F
- Alarm function for two alarm times with snooze function.
- Barometer and bar of 12 hours history for air pressure
- Measuring range:
  - Indoor temperature: 0°C - +50°C
  - Humidity: 20% ~ 95%
  - Outdoor temperature: -20°C - +60°C
- MAX/MIN memory for humidity, indoor and outdoor temperature
- Comfort indicator
- Moon phase
- Wind speed in mph /kmh, wind speed 0~256kmh
- Wind direction
- Rainfall in mm and inch and display of 1hour, 24hour, TOTAL （0~999.99mm）
- UV index (17 grades)
- Feel like
- Dew point

- Wind Chill
- Heat index
- Sunshine time
- Battery status indicator for main unit and sensor
- Power save function
- Batteries:
  - Main station: 2 AA batteries (not included) and adapter (included)

All in one outdoor sensor , solar powered:

- Frequency: 868MHz
- Transmission range: 100 meters in open area.
  ** Actual distance may be varied depending upon the environment, it will be shortened if with interference, such as concrete wall etc.
- Solar powered + batteries: 4 x AA

Settings:

- Connect the adapter to the base station, then insert the batteries.
- For the outdoor sensor, open the battery cover with tools, push the inside black switch ON and insert 4XAA batteries into the battery compartment and close the battery cover. Make sure the cover are closed properly.
- The red LED light will flash around 1 minutes when transmitting the signal to inside main unit.

Note:

- First insert the batteries of main unit and connect adapter to main unit. Then insert the batteries of the outdoor sensor within 3 minutes after the main unit is powered on, to assure that the sensor data will be received well.
- After adapter has been connected, or holding "SNOOZE/LIGHT" button (F) for 3 seconds, pressure reading's digits flashes (2). Enter the height, in meter, of the main unit above sea level by pressing "+" (B) or "-" (C) buttons. Press "SNOOZE/LIGHT" button (F) to confirm the setting. After entered the height, the pressure reading shows the correct barometric pressure. The weather forecast may not be accurate if the height entered is not correct.
- In case of the outdoor sensor data received failure, press **"OUT"** key for more than 3 seconds to synchronize the RF signal.
- The sensor cannot work with solar power only, it needs 4 x AA not rechargeable batteries, and the solar panel only works when the sunshine intensity is very strong and it will switch automatically, at this time the battery will not consume power.
- After appr. 30 minutes the correct temperature IN will be displayed!
- Every time the batteries are replaced, outdoor sensor will synchronize with the main

unit again. You have to press the **"OUT "** key for more than 3 seconds to synchronize the RF signal.
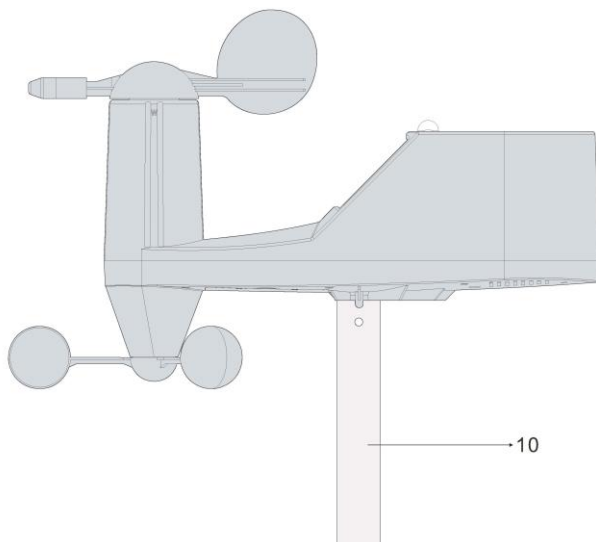
Mounting the main unit:

The main unit can be placed on any flat surface or wall mounted at the desired location by hanging hole. It is important to check that the radio signal can be received before mounting.

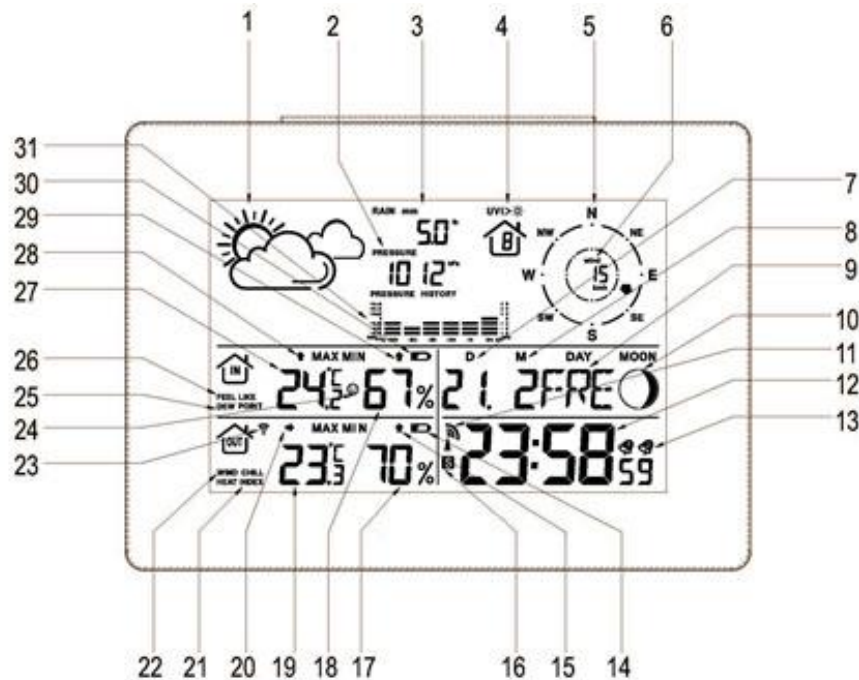## Mounting the outdoor sensor on the stainless steel mast:

For accurate results, the outdoor sensor mast should be securely mounted at a horizontal surface where is at least 1 meter above the ground, and in an open area away from trees and other coverings where rainfall or wind speed may be reduced and cause inaccurate reading.
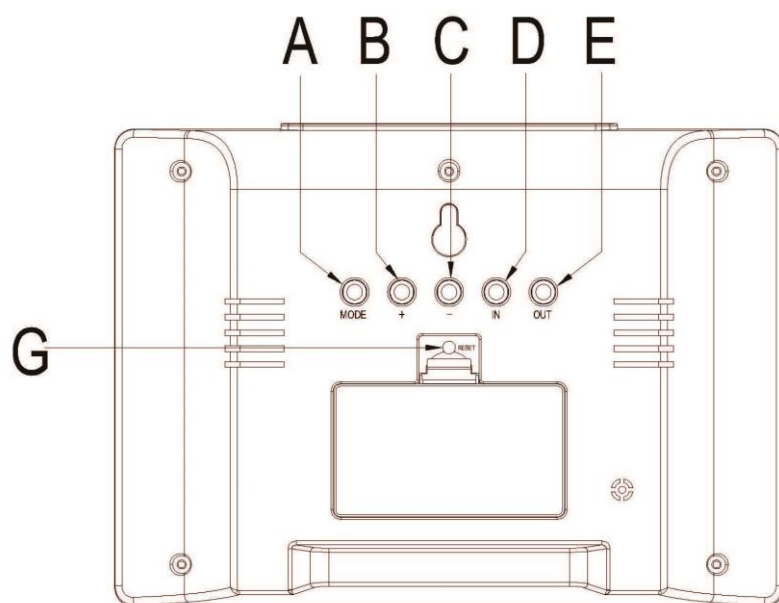
Note:
- take care not to let the wind sensor parts withstand the whole weight of the sensor when you place it somewhere.
- There are marks W,S,E,N on the shaft of the wind sensor. Make sure N points to Nord direction.
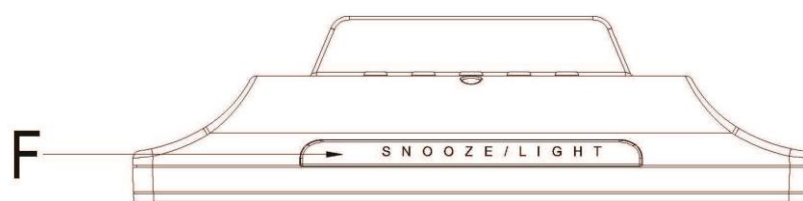
LCD overview

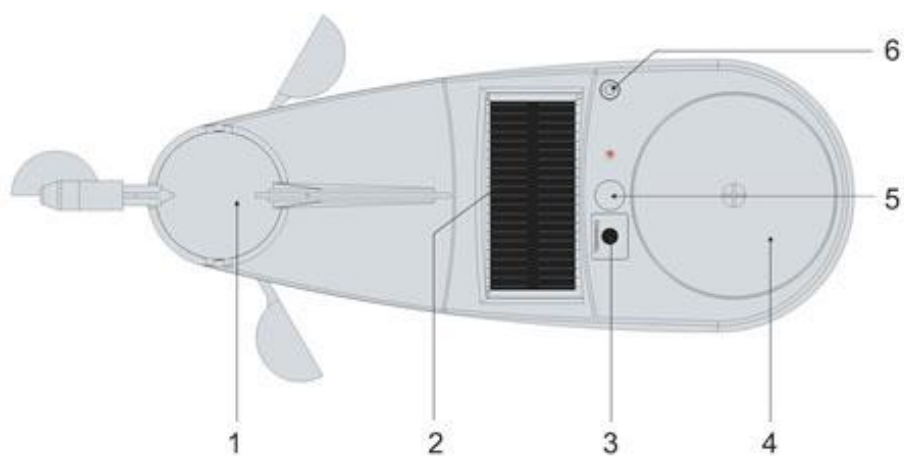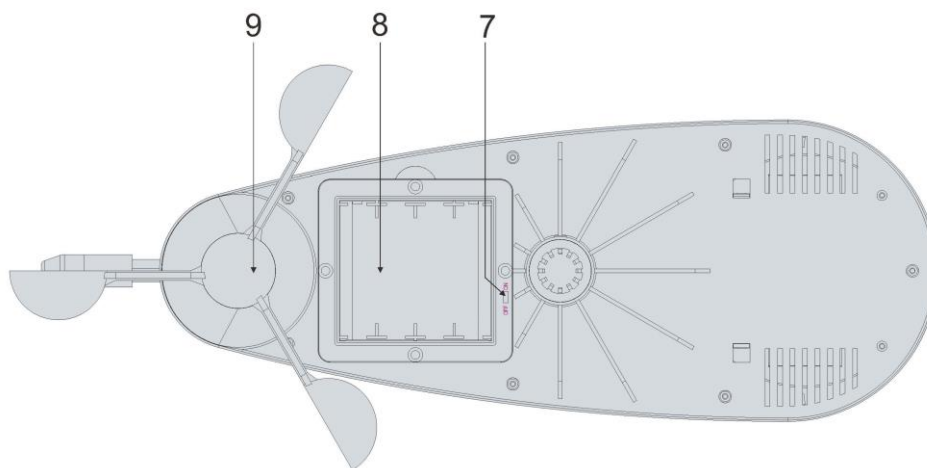|	
1. Weather	17. Outdoor humidity
2. Air pressure	18. Indoor humidity
3. Rain	19. Outdoor temperature
4. UV	20. Outdoor temperature trend
5. Wind direction	21. Heat index
6. Wind speed	22. Wind chill
7. Date	23. RF symbol
8. Month	24. Living face
9. Day of week	25. Dew Point
10. Moon phase	26. Feel like
11. Radio controlled symbol	27. Indoor temperature
12. Time	28. Indoor temperature trend
13. Alarm	29. Indoor humidity trend
14. Low battery	30. Low battery
15. Outdoor humidity trend	31. Bar of 12 hour air pressure history

16.Summer/Winter time symbol

A=MODE	D=IN	G=reset
B=+	E=OUT	
C=-	F=SNOOZE/LIGHT	

1.Wind Direction

2.Solar panel

3.RF channel (hold for transmitting RF signal)

4.Rain gauge

5.UV sensor

6.Balance indicator (to judge if set up horizontally)

7.ON/OFF for power

8.Battery cover

9.Wind speed sensor

10.Metal mast

Reception of radio controlled signal:

- DCF radio signal search starts automatically about 3 minutes after battery exchange. The "radio tower" signal is flashing.
- Press "+" and "-" button at the same time for more than 3 seconds to enter or quit the Radio controlled signal reception.
- The clock synchronizes with the DCF radio signal automatically and daily from AM 1:00 to 3:00 to correct potential time deviations each hour. If the synchronization is unsuccessful ("radio tower" symbol disappears), a further synchronization attempt is made From 4:00 and 5:00 until success. This process is repeated up until 5:00 AM. If still not success, daily reception stop.

Information

- Flashing "radio tower" symbol stands for DCF radio signal reception started.
- Continuous "radio tower" symbol stands for DCF radio signal reception successful.
- Please observe a minimal distance of 2.5m to sources of interference such as televisions or computer screens.
- The radio signal is weaker in rooms with concrete walls (e.g. in the basement) and in office buildings. For extreme cases, please put the main unit near a window.

- There are less atmospheric disturbances at night. A radio time signal reception is usually possible at that time. One synchronisation per day is sufficient to keep the time display accuracy at 1 second.

Tip

You can adjust the time manually in case the clock cannot receive the DCF radio signal (due to interferences, large distance to the sender, obstructions like mountains, etc.) As soon as the radio signal can be received, the clock wil be adjusted automatically.
Radio signal sender coverage up to 1500km distance to Frankfurt/Main.

Manual time set-up (Please also follow the steps to choose some setting, such as 12/24hour, time zone, C/F ,languages etc.)

- Press and hold key "MODE" for 3 seconds.
- The 12/24 hour flashing. Use "+ " and "- " to select
- Press "MODE " to confirm.
- The display for the time zone is flashing. Use "+ " and "- " to select the time zone
  (-12 to +12).
- Press "MODE " to confirm
- The DM/MD flashing, Use "+ " and "- " to select
- Press "MODE " to confirm.
- The display for the year is flashing. Use "+ " and "- " to select the year.
- Press "MODE " to confirm.
- The display for the month is flashing. Use"+ " and "- " to select the month.
- Press "MODE " to confirm.
- The display for the date is flashing. Use "+ " and "- " to select the date.
- Press "MODE " to confirm.
- The display for the hour is flashing. Use "+ " and "-" to select the hour.
- Press "MODE " to confirm.
- The display for the minutes is flashing. Use "+ " and "- " to select the minutes..
- Press "MODE " to confirm.
- The language selection for the display of the weekdays is flashing. Use "+ " and "- " to select the language.
- Press "MODE " to confirm
- The C/F for temperature flashing, Use "+ " and "- " to select .
- Press "MODE " to confirm.
- The hpa/inhg for air pressure flashing, Use "+ " and "- " to select .
- Press "MODE " to confirm.
- The mm/inch for rainfall and kmh/mpg flashing, Use "+ " and "- " to select .

- Press "MODE " to confirm.

Note:
- The time zone is used for countries in which the DCF time signal can be received, but that are located in another time zone. If the time in the country is 1 hour ahead on the radio controlled time of the DCF signal (GMT+1), the time zone has to be set on the value +1. The clock will then automatically add 1 hour to the value of the received time signal.
- If no button is being pressed for 15 seconds, the setting mode will be closed.

Alarm function with two alarm times:

- Press "MODE" to switch from time display to A1 display
- Press and hold the key "MODE" for 3 seconds ,the flashing alarm time are shown
- The hour display of the alarm time is flashing. Use "+ " and "- " to select the hour. Press "MODE" to confirm.
- Then follow the minutes. Use "+ " and "- " to select the minutes. Press "MODE" to confirm.
- The same setting as for A2

Alarm on/off:
- 1st press "- " to activate the alarm 1 with alarm symbol showing.
- 2nd press "- " cancel the alarm 1.
- The same for alarm 2.
- The clock automatically changes from set-up mode to time mode if no keys are pressed for 20 seconds.
- The alarm sounds for 2 minutes if no key is pressed to stop it.

Snooze function:

To activate the snooze function, follow the steps below

- Press the key "**SNOOZE/LIGHT**", while the alarm sounds, to activate the snooze function.
- If the snooze function is activated, alarm symbol is flashing.
- The alarm repeat after 5 minutes.
- The snooze function can be stopped by pressing any key.

12/24 hours mode:

The time display can be in 12 AM/PM）or 24 hours mode, please follow the manual set-up to select.

°C/°F temperature display:

The temperature display can be in °C or °F, please follow the manual set-up to select.

Max./ Min. for the indoor/outdoor temperature and humidity:

Press **"+"** for displaying of indoor/outdoor max./min. of temperature and humidity, hold **"+"**for more than 3 seconds to clear up the max./min.

Weather forecast function:

- For the weather forecast the device uses one of the following 5 symbols:

means **sunny** .

means **Slightly Sunny.**

means **cloudy.**

means **Rainy.**

means **Storm.**

Barometer and bar and data of history for the past 12 hour of air pressure:

- Air pressure can be in hPa and in Hg, and have bar of the past 12 hours.

Wind speed in mph/kmh (0~256kmh):

- The wind speed can be shown in **mph** and **kmh**, follow the manual set-up to select **mph/kmh.** The display of the speed is updated in case of the sensor updated every 1 minutes.

Wind direction:

- There will be 16 wind directions, the display of the direction is updated in case of the sensor updated every 1 minutes

Rainfall display (0~999.99mm):

- Rain fall can be shown in **mm** and **inch**, follow the manual set-up to select the **mm/inch**.
- Press "**-**" to show the rainfall in 1 hour, press again 24 hours, then TOTAL.
- Press "**-**" for more than 3 seconds to clear up the volume accordingly, such as if showing 1 hour, clear up the data in 1 hour, others unchanged, if showing 24 hours, clear up the data in 24 hour, others unchanged.
- The max. of the rainfall is up to 999.99mm (99.99inch), the display is flashing in case of the max.,

you have to clear up the data by hand, otherwise, the data cannot be updated any more.

UV Index:

The UV will be displayed in 17 grades

Remark: Lux is a sunshine intensity function, in normal mode press and hold the "IN" button for 3 sec. for the LUX grade. For sunshine intensity range:0～120K hold the "IN" button for 3 sec. again.

Feel like and Dew point:

Press **"IN "** to check the FEEL LIKE and DEW POINT (Dew point is the saturation point of the air, or the temperature to which the air has to be cooled in order to get condensation)

Wind chill and Heat Index:

Press **"OUT "** to check the WIND CHILL and HEAT INDEX (Heat Index combines the effects of heat and humidity. It is the apparent temperature of how hot the heat-humidity combination makes it feels.)

Power save:

Press the "**SNOOZE/LIGHT**" button to increase the backlight illumination in case the display is difficult to read. Please note that the temperature IN value will increase a bit due to the heat caused by using this backlight.
By pressing the "SNZ" button once again the screen switches off without losing values. Press the "SNZ" button to switch on again to normal brightness.

Moon phase display:

The weather station uses saved data to show the moon phase

⬤ ◖ ◑ ◗ ◯ ◯ ◐ ◖ ⬤

A   B   C   D   E   F   G H

A: New moon
B: increasing crescent
C: First half
D: increasing 3/4
E: Full moon
F: decreasing 3/4
G: Last half
H: decreasing crescent

Living space humidity:

The weather station uses saved data to determine the humidity in the living space and shows the respective symbols.

comfortable, dry, humid

Comfort: when the temperature is at 20-28℃ and the humidity is at 40-70%

Dry: when the temperature in any value, humidity is less than 40%

Humid: when the temperature in any value, humidity is more than 70%

No symbol display: when the temperature is not at 20-28and the humidity is at 40-70%

Low battery condition display:

The weather station displays the low battery condition symbol to remind the batteries of the weather station or the outdoor sensor need to be exchanged.

DISPOSAL AT END OF WORKING LIFE:

Discarded appliances and electronic devices often still contain valuable materials, therefore do not throw them away, instead hand them in to the store where you buy a new appliance or to your local council recycling depot.

In accordance with the waste guidelines for electrical and electronic equipment, this product must be disposed of separately. If you wish to dispose of this product in the future, do NOT discard it with the household waste, but hand it in at your local refuse collection depot.

In compliance with the directives on Waste Electrical and Electronic Equipment, this product must not be discarded with domestic waste but should be disposed of separately for recycling. If you wish to dispose of this product in the future, do NOT throw it away with the household rubbish but hand it in at a specially designated place, such as your municipal domestic chemical waste depot.

Never throw empty batteries away, but deposit them in special battery boxes or hand them in as domestic chemical waste at your municipal depot.

DECLARATION OF CONFORMITY:
Herewith we declare, that this device does comply with the essentials requirements of R&TTE Directive 1999/5/EC and EMC Directive 2004/108/EC.

A copy of the signed and dated Declaration of Conformity is available on request via info@combimex.nl.
www.combimex.nl