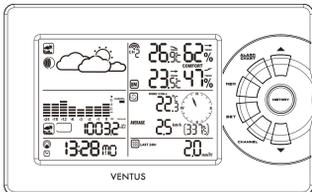


VENTUS NSH01



(W827)

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KSP0-0037-12(XEE)
VENTUS NSH01 MANUAL 1 (Eng)
SIZE: W148 X H210(mm)
BY Lai H Z 22/5/12

Instruction Manual
Introduction
The weather station consists of a main console unit, as well as an assortment of remote sensors which collect and transmit a wide range of weather data, including outdoor temperature, humidity, wind speed and direction, rain amount and rain rate.

Main Console Unit
The main console unit features a radio-controlled precision clock with alarm and weather forecast. It measures indoor temperature and humidity, and displays weather data collected by the remote weather sensors. It also provides indication of the indoor/outdoor temperature, pressure and humidity trends, and moon phase.

Remote Weather Sensors
The remote sensors include a thermo-hygrometer, anemometer (wind sensor) and rain sensor. All data collected by the sensors is transmitted to the main console unit by wireless RF. The weather station supports a maximum of three thermo-hygro-meters.

Features
Weather Forecast
- Sunny, Partly Cloudy, Cloudy, Slight Rain, Heavy Rain, Snow and Unstable Weather conditions

Pressure
- Current or historical pressure (mBar/hPa, mmHg or inHg)
- Altitude or sea level pressure adjustment for atmospheric pressure compensation
- Pressure trend indication
- Seasonal pressure history for the last 24 days
- Sea-level pressure history bar chart

Moon phase
- 12 steps of moon symbols
- Moon phase for year 2000 to 2099
- Moon phase history for the last or future 30 days

Clock and Calendar (12hr/24 hr) (month/day or day/month)
- Different combinations of clock and calendar displays
- 6 languages for day of week (English/German/French/Italian/Spanish/Dutch)

Alarms
- Single alarm: activated once at specified time
- Weekday alarm: activated everyday from Monday to Friday at specified time
- Pre-alarm: activated ahead of single or weekday alarm / channel / temperature falling to +2°C or below. (Fixed 30 minutes)
- Programmable snooze function (1-15 minutes)

Remote temperature and relative humidity, with trend indication
- Indoor and outdoor temperature and relative humidity display (°C or °F)
- Temperature and relative humidity trend indication
- Dew point display
- Max/Min memory for temperature and relative humidity

Comfort level indicator
- Analyzes current environmental conditions (Comfort, Wet and Dry)

Rainfall measurement
- Records rainfall amount for the last hour, last 24 hours, last day, last week and last month (inch or mm)
- Daily rainfall alert if rainfall for the current day exceed pre-specified amount.

Wind
- Temperature at place of anemometer
- Temperature adjusted to wind chill factor (°C or °F)
- Wind direction compass display. Wind direction angles available as compass points or bearings.
- Average wind speed and gust speed (mph, m/s, knots, and km/h)
- Daily Maximum wind speed and gust speed memory
- Wind speed alert for average wind speed and wind gust speed.

Other Features
- Removable table stand for mounting display on a table or wall

Installing your weather station
Setting up the Remote Weather Sensors
Before starting up the main console unit, setup all the remote sensors first.

Setting up the Thermo-Hygro Sensor(s)
1. Open the latch at the base of the thermo-hygro sensor.
2. Set the channel with a slide switch.
3. Insert 2 x UM-3 or "AA" size 1.5V batteries.
4. Use a pin to press the "RESET" key which is in the battery compartment of thermo-hygrometer sensors.
5. Replace the latch and mount unit at desired location.

Placement tips:
- The thermo-hygrometer sensor should be in an area with free air circulation and sheltered from direct sunlight and other extreme weather conditions. Place the unit in a shaded area, such as under a roof.
- Use the wall mount and fittings provided if mounting the unit on a vertical surface.
- Avoid placing the sensor near sources of heat such as chimneys.
- Avoid any areas which collect and radiate heat in the sun, such as metal, brick or concrete structures, paving, patios and decks.
- Ideally, place the sensor above natural surfaces such as a grassy lawn.
- The international standard height for measurements of air temperature is at 1.25m (4 ft) above ground level.

Setting up the Rain Sensor
1. Unlock the funnel-shaped top of the rain sensor by turning both knobs on the sides of the rain sensor in an anti-clockwise direction.
2. Lift the top of the base and insert 2 x UM-3 or "AA" size 1.5V batteries into the battery holder.
3. Replace the lid and secure into place by turning the knobs clockwise.
4. Place the rain sensor in a location such that precipitation can fall directly into the sensor, ideally 2-3 ft above the ground.
- It may be secured into place by using the 4 screws provided.

Placement tips:
- The rain sensor should be placed in an open area away from walls, fences, trees and other coverings which may either reduce the amount of rainfall into the sensor, deflect the entry of wind-blown rain, or create extra precipitation runoff. Trees and rooftops may also be the sources of pollen and debris.
- To avoid rain shadow effects, place the sensor at a horizontal distance corresponding to two to four times the height of any nearby obstruction.
- It is important that the rain access can flow freely away from the sensor. Make sure that water does not collect at the base of the unit.
- The rainfall measurement mechanism utilizes a magnet, hence do not place any magnetic objects around the proximity of the sensor.

Setting up the Anemometer (wind sensor)
1. Assemble the wind cups to the anemometer arm.
2. Attach the assembled anemometer to the base.
3. Insert 2 x UM-3 or "AA" size 1.5V batteries into the battery holder in the base.
4. Mount the anemometer onto a vertical surface, using the fittings provided.
5. Allow the main console unit to find the direction which the wind vane is oriented, the following procedures are required:
i. Insert the batteries.
ii. Point the wind vane towards the north. Use a compass or map if necessary.
iii. Use a pin to press the "SET" key which is in the battery compartment of the wind sensor.
The "SET" will toggle the direction between two modes:
1. Let the wind direction as manufacturer design. It will be as a default setting after 2. Set the current direction as NORTH.

Placement tips:
- Check that wind can travel freely around the anemometer and is not distorted by nearby buildings, trees or other structures.
- For better results, place the anemometer at least 3m above local structures and obstacles. The ground creates a frictional effect to wind flow and will attenuate readings.
- For maximum exposure of the anemometer to the commonest wind directions in your area:
- The official mounting location for anemometers is 10m (33 ft) above ground level in a clear unobstructed location.

Setting up the Main Console Unit
1. Open the top of the back of the main console unit.
2. Insert 6 x UM-3 or "AA" size 1.5V batteries according to the polarities shown.
3. Place the console unit on a table or horizontal surface, mounting the table stand and adjust to the optimal viewing angle.
4. If mounting the console unit on a wall or vertical surface, remove the table stand out of the unit.

Placement tips:
Make sure that the console unit is within receiving range of all remote sensors. Ideally sensors should be within the line of sight of the console unit. Transmission range may be affected by trees, metal structures and electronic appliances. Test reception before permanently mounting your weather station.

Starting up the Main Console Unit
The console unit measures indoor temperature, humidity, pressure and receives signals from all remote sensors and radio-clock broadcasts. Avoid placing the console unit in the following areas:
- Direct sunlight and surfaces which radiate heat and emit heat.
- Heat trapping and ventilation devices (such as ceiling ducts or air conditioners).
- Areas with interference from wireless devices (such as cordless phones, radio headsets, baby listening devices) and electronic appliances.

Pressing UP or DOWN to start-up powered, the display will start showing some data and weather parameters. Wait for a few minutes for the console to finish self-calibration and for the sensor readings to show up.
If "—" is still displayed for the sensor readings(°C), check the wireless transmission path and the batteries for the corresponding sensor.

Buttons and its control specification
The following controls are available on both the main console unit:

UP	- Switches to next mode in anti-clockwise direction - Increment for setting parameters
DOWN	- Switches to next mode in clockwise direction - Decrement for setting parameters
SET	- Rotates display for current mode - Press and hold to enter setup or change units - Confirmation for setting parameters
MEM	- Shows records for moon phase, temperature, humidity, rain and wind.
HISTORY	- Shows history for sea-level pressure
ALARMCHART	- Shows time alarms and alerts for temperature, rain and wind. - Press and hold to enter alarm/alert setup - Press and hold in Pressure and Weather Forecast Mode to view different bar-charts
CHANNEL	- Changes temperature and humidity display to selected channel - Press and hold to enable cycling display of channel temperature and humidity

Navigating between Different Modes
There are four modes available on the main console unit, and each one displays a different category of data. When display is in a certain mode, its corresponding icon will start flashing.

To navigate between the different modes from the main console unit, press UP or DOWN to cycle through the modes in a clockwise direction or DOWN to cycle through the modes in an anti-clockwise direction.

Moon Phase and Weather, Pressure
- Current pressure, trend, and history bar-chart
- Weather forecast

Sea Level Pressure, Local Pressure, and Altitude
- Sea-level pressure (PRESSURE) should be displayed
- Temperature (thermometer icon and "CH") should be displayed
- Humidity (RH icon and "CH") should be displayed

Time and Alarm Mode
- Radio Controlled clock showing current time and calendar
- Temperature or humidity for channel 1
- Pre-alarm
- Press and hold to enter alarm/alert setup

Temperature and Humidity Trend and readings for indoor and selected channel
- Comfort level
- Dew point
- Temperature alerts

Viewing the Sea Level Pressure
1. In Pressure and Weather Forecast Mode, press SET until the sea level pressure is displayed.
2. Press and hold SET. The Sea Level Pressure display should be flashing.
3. Set Sea Level Pressure.
4. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
5. Press SET to confirm your selection.
6. Upon completion the display will be returned to Pressure and Weather Forecast Mode.

Setting the Pressure and Altitude Units
1. In Pressure and Weather Forecast Mode, press SET until local pressure is displayed.
2. Press and hold MEMORY. The pressure unit should be flashing.
3. Set Local Pressure Units.
4. Press the button ▲ or ▼ to adjust value.
5. Press SET to confirm your selection.
6. Set Sea Level Pressure Units.
7. Press the button ▲ or ▼ to adjust value.
8. Press MEMORY to confirm your selection.
9. Upon completion the display will be returned to Pressure and Weather Forecast Mode.

Viewing the Sea Level Pressure History
1. In all modes, pressing HISTORY will toggle the history level pressure display.
2. When sea level pressure is displayed, press HISTORY repeatedly to view sea level pressure data for each of the last 24 hours.
3. If no buttons are pressed for 5s, the display automatically returns to Pressure and Weather Forecast Mode.

Viewing the Pressure/Temperature/Humidity Bar-Charts
The bar-chart on the display can be configured to display the history data for sea level pressure, indoor pressure and humidity for channel 1.
1. In Pressure and Weather Forecast Mode, press and hold ALARMCHART to toggle the bar-chart between:
- Sea-level pressure (PRESSURE) should be displayed
- Temperature (thermometer icon and "CH") should be displayed
- Humidity (RH icon and "CH") should be displayed

Viewing Moon Phase History / Forecast
1. In Pressure and Weather Forecast Mode, press MEMORY.
2. In 0 seconds, the moon phase history will be displayed.
3. View Moon Phase History / Forecast.
4. Press UP or DOWN to choose number of days forward (+ days) or backward (- days) from current date. Press and hold either button for fast advance.
5. The corresponding moon phase will be shown.
6. To exit, press MEMORY.
Otherwise, if no buttons are pressed for 5s the display automatically returns to Pressure and Weather Forecast Mode.

Wind Mode
- Wind Chit
- Temperature at place of anemometer
- Wind direction
- Wind speed
- Wind gust
- Alert for wind speed and wind gust speed

MEME
- Moon phase history for the last or future 30 days

Customizing your Weather Station
Pressure and Weather Forecast Mode
This part of the display indicates the current pressure, sea level pressure, weather forecast, moon phase and pressure trend.
A number of historical statistics can also be viewed, such as the sea level pressure values for the last 24 hours, moon phase for the previous and next 30 days, as well as a pressure/temperature/humidity history bar-chart.
Pressure values will be displayed inHg, hPa/mBar or mmHg, and altitude values may be displayed in meters or feet.

Accessing Pressure and Weather Forecast Mode
From the main console unit: Press the button ▲ or ▼ until the weather forecast icon starts flashing.

Setting Pressure Parameters during Initial Start-Up
During the initial start-up of the main console unit, all functions in Pressure and Weather Forecast mode will be locked until the pressure settings are configured.
1. Choose Pressure Units.
The unit icon "inHg" or "mmHg" or "hPa/mBar" should be flashing. Press the button ▲ or ▼ to select pressure unit as inHg, hPa/mBar or mmHg.
2. Choose Altitude Units.
Press SET to confirm your selection.
3. Set Altitude Units.
Press the button ▲ or ▼ to select altitude unit as feet or meters.
4. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
5. Press SET to confirm your selection.
6. Upon completion the display will be returned to Pressure and Weather Forecast Mode.

Viewing Pressure and Altitude Data
In Pressure and Weather Forecast Mode, each press of SET rotates display between:
- Sea level pressure
- Local pressure
- Local altitude

Understanding the Weather Forecast Display

There are total
- Sunny
- Partly Cloudy
- Cloudy
- Light Rain
- Heavy Rain
- Unstable weather
- Light Snow
- Heavy Snow

NOTE:
1. The accuracy of a general pressure-based weather forecast is about 70%.
2. The weather forecasts, if may not necessarily reflect the current situation.
3. The "Sunny" icon, as applies to night time, implies clear weather.

Understanding the Moon Phase Diagram

Clock and Alarm Mode
The main console unit can be configured to display the time, calendar or UTC time. There are three time alarms available on the console unit.
Single alarm: activated once at specified time
Weekday alarm: activated everyday from Monday to Friday at specified time
Pre-alarm: activated at specified time interval (Fixed 30 min) ahead of weekday alarm, if channel 1 temperature falling to +2°C or below.

Accessing Clock and Alarm Mode
From the main console unit: Press the button ▲ or ▼ until the Time icon starts flashing.
Setting up the Time, Date and Language
1. In Clock and Alarm Mode, press and hold SET to enter clock and calendar setup.
2. The day of week should start flashing in the display.
3. Set Language.
Press the button ▲ or ▼ to select language for day of week: English, German, French, Italian, Spanish or Dutch.
4. Press SET to confirm your selection.
5. Repeat the above instructions to set year, month, day, calendar display format (day/month or month/day), time display format (12/24 hr), local hour and local minutes.
6. Upon completion the display will return to normal Clock and Alarm Mode.

Note: Press and hold SET anytime during the setup to return to normal Clock and Alarm Mode. All settings made will be discarded.

Rotating between Different Clock/Calendar Displays
In Clock and Alarm Mode, each press of SET rotates clock display between:
- Hour: Minute: Weekday
- Minute: Second
- Month: Day: Year (or Day: Month: Year depending on settings)

Activating/Deactivating the Time Alarms

1. In Clock and Alarm Mode, each press of ALARMCHART rotates clock display between:
- Weekday Alarm Time (displays OFF if weekday alarm deactivated)
- Single Alarm Time (displays OFF if single alarm deactivated)
- Pre-Alarm Time (displays OFF if pre-alarm deactivated)
2. When the above alarms are displayed, pressing the button ▲ or ▼ will activate/deactivate the corresponding alarm.
Note: Press SET anytime during alarm selection mode to return to normal clock display.

Setting up the Time Alarms
1. In Clock and Alarm Mode, press ALARMCHART to select alarm which you wish to configure.
2. Press and hold ALARMCHART until hour starts flashing in the display.
3. Set Alarm Hour.
Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
4. Press ALARMCHART to confirm your selection.
5. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
6. Press ALARMCHART to confirm your selection.
7. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
8. Press ALARMCHART to confirm your selection.
9. Press ALARMCHART to confirm your selection.
10. Upon completion the display will be returned to the alarm selection screen.

Note: Pre-alarm cannot be activated if weekday alarm or single alarm is not enabled.

To Disable Alarm(s):
Press ALARMCHART to disable the alarm (s).
Note: For weekday alarm, pressing ALARMCHART will only disable the alarm for the current day. The alarm will be activated again the next day if it falls within Monday to Friday.

Activating/Deactivating Radio Clock Reception
The main console unit synchronizes the time and date with radio clock broadcasts to maintain atomic clock precision.
To turn this function on/off:
Press and hold the button ▲.
If RC reception is activated, the icon will start flashing beside the clock icon.
Note: The radio controller signal for the temperature and relative humidity display. The temperature may be shown in degrees Celsius (°C) or degrees Fahrenheit (°F). The trend (rising, steady or falling) of all values is also indicated on the display.
The main console unit uses the indoor temperature and humidity data to compute a comfort level rating of Wet, Comfort or Dry.
A temperature alert function is available for each channel. It can be programmed to sound if the channel temperature exceeds or falls below the pre-configured upper and lower limits.

Temperature and Humidity Mode
The weather station supports up to 3 remote Thermo-Hygrometer sensors, each sensor corresponding to a separate channel for the temperature and relative humidity display. The temperature may be shown in degrees Celsius (°C) or degrees Fahrenheit (°F). The trend (rising, steady or falling) of all values is also indicated on the display.
The main console unit uses the indoor temperature and humidity data to compute a comfort level rating of Wet, Comfort or Dry.
A temperature alert function is available for each channel. It can be programmed to sound if the channel temperature exceeds or falls below the pre-configured upper and lower limits.

Note: The temperature alerts have a 0.5 °C hysteresis to prevent the alerts from sounding constantly due to small fluctuations in the temperature. This means that after the temperature reaches the alert value, it will have to fall below the alert value plus hysteresis to deactivate the alert.

Accessing Temperature and Humidity Mode
From the main console unit: Press the button ▲ or ▼ until icon starts flashing.

Viewing Temperature and Humidity Display for each Channel
For Static Display
In Temperature and Humidity Mode, each press of CHANNEL rotates display between different channels.
For Cycling Display:
To enable automatic rotating between different channel displays, press and hold CHANNEL until the CH icon is displayed. Each valid channel will now be alternately displayed for 5s.

Rotating Between Temperature and Dew Point Display
In Temperature and Humidity Mode, each press of SET rotates temperature display between:
- Temperature and Relative Humidity
- Dew Point Temperature and Relative Humidity

Setting Units for Temperature Display (°C or °F)
In Temperature and Humidity Mode, press and hold SET to convert units between degrees Celsius (°C) and degrees Fahrenheit (°F).

Activating/Deactivating the Temperature Alerts
1. In Temperature and Humidity Mode, each press of ALARMCHART rotates channel temperature display between:
- Current Temperature for corresponding channel
- Upper Temperature Alert (displays OFF if deactivated). A icon displayed
- Temperature Alert (displays OFF if deactivated). A icon displayed
2. When the above alerts are displayed, pressing the button ▲ or ▼ will activate/deactivate the corresponding alert.

Setting up the Temperature Alerts
1. In Temperature and Humidity Mode, press ALARMCHART to select alarm which you wish to configure.
2. Press and hold ALARMCHART until channel temperature and a or V icon starts flashing in the display.
3. Set Value for Temperature Alert.
Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
4. Press ALARMCHART to confirm your selection.
5. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
6. Upon completion the display will be returned to the temperature alert selection screen.

Disabling when Temperature Alarms are Activated
To Disable Temperature Alarms(s)
Press ALARMCHART to disable the alarm (s).

Viewing the Max/Min Channel Temperature and Humidity
In Temperature and Humidity Mode, each press of MEMORY rotates channel temperature and humidity display between:
- Current temperature and humidity at remote sensor
- Minimum temperature and humidity at remote sensor
- Maximum temperature and humidity at remote sensor

Resetting the Max/Min Channel Temperature and Humidity Memory
In Temperature and Humidity Mode, press and hold MEMORY to clear memory for all channels.

Remote Sensor Status
The wave icon above the current channel display shows the connection status of the corresponding remote sensor:

Icon	Status
	Searching for remote sensor signals
	Corresponding remote sensor successfully linked
	No signals received for more than 15 minutes

Activating Main Console Unit to Search for All Remote Sensor Signals
The main console unit may be manually activated to search for signals from all remote sensors.
Press and hold the button to enforce a search.

Rain Mode
The main console unit records the total amount of rainfall for the last hour, last 24 hours, yesterday, last week and last month. The rainfall may be displayed in mm or inches.
A daily rainfall alert function is available which can be programmed to sound if the daily rainfall exceeds a pre-configured limit.

Accessing Rain Mode
From the main console unit: Press the button ▲ or ▼ until the RAIN icon on the display starts flashing.

Viewing Rain Statistics
In Rain Mode, each press of SET or MEMORY rotates display between different rain statistics:
- Last hour
- Yesterday
- Last 24 hour
- Last week
- Last month
Tip: For an estimation of the rain rate, the Last Hour rainfall value can be understood as "inch/hr" or "mm/hr".

Resetting the Rainfall Statistics Memory
In Rain Mode, press and hold MEMORY to reset all rainfall statistics.

Setting Units for Rain Display (inch or mm)
In Rain Mode, press and hold SET to convert units between mm and inches.

Activating/Deactivating the Daily Rainfall Alert
In Rain Mode, each press of ALARMCHART rotates display between the current rainfall statistics and the daily rainfall alert ("ALARM HI" will be displayed).
If the alert is deactivated, "OFF" will be shown, otherwise the alert value is shown.
2. When the rainfall alert is displayed, pressing the button ▲ or ▼ will activate/deactivate it.

Setting up the Daily Rainfall Alert
1. In Rain Mode, press ALARMCHART to display rainfall alert.
2. Press and hold ALARMCHART until rainfall alert and corresponding icon starts flashing in the display.
3. Set Value for Rainfall Alert.
Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
4. Press ALARMCHART to confirm your selection.
5. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
6. Upon completion the display will be returned to the rainfall alert display.

Disabling when Daily Rainfall Alert is Activated
1. Disable Rainfall alert by pressing the button .
Press ALARMCHART to disable the alert.

Wind Mode
The wind speed display is shown by an anemometer compass display. Its angle can be displayed as compass points (i.e. NW) or in bearings from the north (i.e. 22.5°).
The upper left of the wind display can be set to indicate the temperature at the anemometer or the temperature adjusted with a wind chill factor.
The lower left of the wind display indicates the average wind speed for the last 10 minutes, as well as gust speed, wind speed alert and gust alert information. It can also show records of the maximum values of wind speed and gust attained for the current day.

The wind speed and gust alert functions can be programmed to sound if the wind speed or gust exceeds a pre-configured limit. The wind speed may be displayed in km/h, mph, m/s or knots.
Note: The wind speed alert has a 5 mph hysteresis and the wind gust speed alert has a 7 mph hysteresis. The hysteresis is to prevent the alerts from sounding constantly due to small fluctuations near the alert value. This means that after the wind speed reaches the alert value, it will have to fall below the alert value plus the hysteresis to deactivate the alert.

IMPORTANT: The wind chill is calculated by using the CH1 Temperature sensor and the wind sensor. Wind Chill value will be shown when the Channel 1 Temperature sensor and the wind sensor are well installed.

Accessing Wind Mode
From the main console unit: Press the button ▲ or ▼ until the WIND icon on the display starts flashing.

Configuring Wind Display
In Wind Mode, each press of SET rotates display between:
- Temperature with wind chit, wind direction in bearings
- Temperature with wind chit, wind direction in compass points
- Temperature at anemometer, wind direction in compass points
- Temperature at anemometer, wind direction in bearings

Setting Units for Wind Speed Display (km/h, mph, m/s or knots)
In Wind Mode, press and hold SET to convert wind speed units between km/h, mph, m/s or knots.

Viewing Wind Statistics
In Wind Mode, each press of MEMORY rotates wind speed display between:
- Current Average wind speed
- Daily maximum wind speed ("DAILY MAX" is displayed)
- Gust speed ("GUST" is displayed)
- Daily maximum gust speed ("GUST DAILY MAX" is displayed)

Resetting the Wind Statistics Memory
In Wind Mode, press and hold MEMORY to reset all wind statistics.

Activating/Deactivating Wind Alerts
In Wind Mode, each press of ALARMCHART rotates wind speed display between:
- Current average wind speed
- Wind speed alert ("ALARM HI" displayed)
- Gust alert ("GUST ALARM HI" displayed)
- Daily maximum gust speed ("GUST DAILY MAX" displayed)
2. When a wind alert is displayed, pressing the button ▲ or ▼ will activate/deactivate it.

Setting up the Wind Alerts
1. In Wind Mode, press ALARMCHART to select alarm which you wish to configure.
2. Press and hold ALARMCHART until alert and corresponding icon starts flashing in the display.
3. Set Value for Alert.
Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
4. Press ALARMCHART to confirm your selection.
5. Press the button ▲ or ▼ to adjust value. Press and hold either button for fast advance.
6. Upon completion the display will be returned to the wind alert selection screen.

Disabling when Wind Alert is Activated
To Disable Wind Alert(s)
Press ALARMCHART to disable the alert.

Maintenance
Changing Batteries
The battery statuses of the sensors are checked every 10 min. If the low battery indicators light up, replace the batteries for the corresponding unit immediately.

Changing Batteries for the Remote Sensors
1. When the batteries are properly installed, the sensor will resume sending signals to the main console unit.
2. To enforce a search immediately for all remote signals, press and hold the button on the main console unit.

Cleaning
The main console unit and outer casings for the remote sensors can be cleaned with a damp cloth. Small parts can be cleaned with a cotton bud or pipe-cleaner.
Never use any abrasive cleaning agents and solvents. Do not immerse any units with electronic parts in water or under running water.

Anemometer
Check that the wind vane and wind cups can spin freely and are free from dirt, debris or spider webs.

Rain Sensor
Like all rain gauges, the rain sensor is prone to blockages due to its funnel shape. Checking and cleaning the rain sensor from time to time will maintain the accuracy of rain measurements.
- Detach the protective screen and lid. Remove any dirt, leaves or debris by cleaning the inside with clean water and a damp cloth. Clean small holes and parts with a cotton bud or pipe-cleaner.
- Look out for spiders or insects that might have crawled into the funnel.
- Also clean the wiring mechanism with a damp cloth.

Troubleshooting

"The display shows dashes "" - "" for weather parameter(s)"
The display will show "" - "" when the wireless link is lost with the remote sensor for the following parameter:
- Thermo-Hygro Sensor - 15 minutes
- Anemometer (Wind Sensor) - 15 minutes
- Rain Sensor

Check or replace the batteries for the corresponding sensor. Then press and hold the button to enforce a search for all remote signals.

If the above does not solve the problem, check the wireless transmission path from the corresponding sensor to the main console unit and change their locations if necessary.
Although wireless signals can pass through solid objects and walls, the sensor should ideally be within the line of sight of the console unit.

"The weather readings do not correlate with measurements from TV, radio or official weather reports"
Weather data can vary considerably due to different environmental conditions and placement of weather stations.
Check the placement tips included in this manual to site your sensors in the best possible way.

"The weather forecast is a prediction of weather after 12-24 hours, and may not reflect current weather conditions"

PRECAUTIONS
This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:
1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries as specified in the user's manual. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's manual thoroughly before operating the unit.

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may be reproduced without the permission of the manufacturer.

Power
Main unit : use 6 pcs UM-3 or "AA" 1.5V battery
AJC02 adaptor (V20kva (series I) optional) ... NOT INCLUDED in the packaging

Remote Thermo -Hygro unit : use 2 pcs UM-3 or "AA" 1.5V battery
Remote Anemometer unit : use 2 pcs UM-3 or "AA" 1.5V battery
Remote Rain gauge unit : use 2 pcs UM-3 or "AA" 1.5V battery