VIEWING MAXIMUMS AND MINIMUMS:

Select the desired item on the main display and press **MIN** or **MAX**. The **MIN** or **MAX** LED will light and the main display will show the minimum or maximum value, then the date, and finally the time of occurence.

To view the maximum wind speed, press **WIND SPEED**. The **WIND SPEED** display will show the maximum speed and the direction at the time of occurence. The main display will show the date and then the time of occurence.

TO VIEW RAINFALL ACCUMULATION:

There are two registers for **RAINFALL**.
1. Pressing **RAINFALL** will show the **current rainfall.**
2. To view rainfall accumulation, after pressing **RAINFALL**, press **MAX**. The main display will show the accumulation followed by the date and time of the last reset.

TO CLEAR MAXIMUMS OR MINIMUMS:

1. Select the sensor that you wish to clear.
2. Press **MAX** or **MIN**.
3. Quickly press **AUTO SELECT**. This will clear the maximum or minimum.

TO CLEAR CURRENT RAINFALL:

1. Press **RAINFALL.**
2. Press **MIN.**
3. Quickly press **AUTO SELECT**. This will clear out the **current rainfall**.

TO CLEAR RAINFALL ACCUMULATION:

1. Press **RAINFALL.**
2. Press **MAX.**
3. Quickly press **AUTO SELECT**. This will clear out the **accumulation**.

DIAGNOSTIC DISPLAY MODE:

1. Press and hold **AUTO SELECT**; Press **MIN**.
   The Temperature, Humidity and Barometer LED's will all light. This indicates that the system is in the diagnostic mode. One LED will flash. This indicates the selected item:
   TEMPERATURE - for checking the battery condition.
   HUMIDITY - for checking the reception.
   BAROMETER shows the program version for the display and sensor unit.
   In the event of a problem our service technician will explain the operation of this feature.

GENERAL INFORMATION:

If the wind speed exceeds 99, both decimal points will light indicating that 100 should be added to the number viewed. This is true regardless of the units displayed.

The dim LEDs show the direction variation for the previous 30 seconds.

The time given in maximums and minimums is in 24:00 (military) time.

When the barometer is steady the readout is steady.
When the barometer is falling, all four digits in the display flash.
When the barometer is rising, the left two digits flash.

INSTRUCTIONS
FOR THE
RainWise
Weather Oracle®

RainWise Inc.®

For
MK-III & ***MK-III-LR***
SOLAR POWERED WIRELESS WEATHER STATIONS

REV: 11-04-06

INSTALLATION AND OPERATING INSTRUCTIONS FOR THE WIRELESS *Weather Oracle°*

MOUNTING THE DISPLAY:

The display may be wall mounted using the keyhole slots provided. An angle foot replacing the battery cover may be installed in place of the battery cover when it is desired to place the display on a desk or table. The black box containing the receiver is connected to the display with a 5 foot cable. This, plus the cable from the wall transformer allows over 10 feet from a power outlet to the display. The output from the wall transformer is low voltage (9 volts DC). When power is connected to the display, it will show dashes in the sensor display fields. Within about 30 seconds, the display should show the proper sensor values. If this does not happen, it means that no information is being received from the sensor assembly.

The display incorporates a non-volatile memory in which the maximum, minimum and rainfall values are stored. Therefore, on initial start-up, these values may need to be reset.

The setup mode is used to:
1. Set the time and date.
2. Set the displays to read English or Metric.
3. Adjust the Temperature or Barometer.

TO PLACE THE DISPLAY IN THE SETUP MODE:

1. Press and hold **AUTO SELECT.**
2. WHILE HOLDING **AUTO SELECT,** press **MAX**. The display will show 12:00 if this is the original setup or if there is no backup battery and there has been a power outage. Otherwise it will show the correct time. The **MAX** and **MIN** LED's will be on and the colon will be blinking.
3. You are now in the setup mode.

*Once the display has been placed in the setup mode, you can exit at any time by pressing **AUTO SELECT**.*

TO SET THE CLOCK:

1. Press **MAX**. The hours will flash.
2. Press **MAX** to increase the hours. Press **MIN** to decrease the hours.
3. Press **AUTO SELECT.** Minutes will flash.
4. Press **MAX** to increase the minutes. Press **MIN** to decrease the minutes.
5. Press **AUTO SELECT.** The month will flash.
6. Press **MAX** to increase the month. Press **MIN** to decrease the month.
7. Press **AUTO SELECT.** The day will flash.
8. Press **MAX** to increase the day. Press **MIN** to decrease the day.
9. Press **AUTO SELECT.** The display will return to the setup mode. The display will show the time with the colon flashing. If you wish to exit the setup mode press **AUTO SELECT.**

TO SET THE DISPLAYS FOR ENGLISH OR METRIC *(DISPLAY IN THE SETUP MODE)*:

TEMPERATURE, DEW POINT AND WIND CHILL
1. The display is in the setup mode.
2. Press **TEMPERATURE.** The display will show U. 0 or U. 1. "0" indicates that the temperatures are in Fahrenheit. "1" indicates that the temperatures are in Celsius.
3. Press **MAX** or **MIN** to change from Metric or English.
4. If you are finished with the setup mode, press **AUTO SELECT.**

BAROMETER
1. The display is in the setup mode.
2. Press **BAROMETER.** The display will show U. 0 or U. 1. "0" indicates that the barometer is in inches of Mercury. "1" indicates that the barometer is in Millibars.
3. Press **MAX** or **MIN** to change from Metric or English.
4. If you are finished with the setup mode, press AUTO SELECT.

RAINFALL
1. The display is in the setup mode.
2. Press **RAINFALL.** The display will show U. 0 or U. 1. "0" indicates that the rainfall is in inches. "1" indicates that the rainfall is in millimeters.
3. Press **MAX** or **MIN** to change from Metric or English.
4. If you are finished with the setup mode, press **AUTO SELECT.**

WIND SPEED
1. The display is in the setup mode.
2. PRESS **WIND SPEED.** The display will show U. 0 U. 1 U. 2 U. 3 "0" indicates that the wind speed is in miles per hour. "1" indicates that the wind speed is in kilometers per hour. "2" indicates that the wind speed is in knots. "3" indicates that the wind speed is in meters per second.
3. Press **MAX** or **MIN** to change from mph or kph or knots or mps.
4. If you are finished with the setup mode, press **AUTO SELECT**.

TO SET THE BAROMETER:
When the Display is first powered up, the pressure reading will be the actual pressure
1. The display is in the setup mode.
2. Press **BAROMETER.** The display will show U. 0 or U. 1.
3. Press **BAROMETER** again. The display will show the current **absolute** pressure.
4. Call a local airport for the current sea-level pressure.
5. Press MAX or MIN to change barometer reading up or down to the current sea-level pressure. The barometer may be adjusted up or down by 16.00 inches of Mercury (524 millibars). This is a one-time setting the system will remember even if power is lost.

TO VIEW RELATIVE HUMIDITY AND DEW POINT
1. Press **HUMIDITY**. The display will show the **Humidity**.
2. Press **HUMIDITY** again. The display will show the **Dew Point**. d. 58

TO VIEW TEMPERATURE and WIND CHILL
1. Press **TEMPERATURE.** The display will show the **Temperature**.
2. Press **TEMPERATURE** again. The display will show the **Wind Chill** c. 32 .

TO REMOVE THE DEW POINT and WIND CHILL FROM AUTO SELECT
1. Place the display in the setup mode.
2. Press **HUMIDITY.** The display will show c.d. 1 or c.d. 0 . Use **MIN** or **MAX** to change the setting. If c.d. 0 is selected **Dew Point** and **Wind Chill** will not be shown in the **AUTO SELECT** mode.

THE BACKUP BATTERY:

Provision is made for a 9 volt battery to provide continued operation in the event of a power outage. This battery may be a 9 volt alkaline, Ni-cad or Ni-MH battery the display does not have a built-in charger, rechargeable batteries must be charged periodically. The display is turned off to conserve power during a power outage. However, any sensor value can be viewed by pressing and holding the touch switch for that sensor. **You do not have to install a battery for normal operation.** The battery is only necessary to maintain the correct time and to record new maximums and minimums during an outage. A good quality alkaline battery should provide approximately 4 hours of operation.

RESETTING THE DISPLAY:
Press and hold RAINFALL; Press MIN. The processor will be reset. The display will blank.