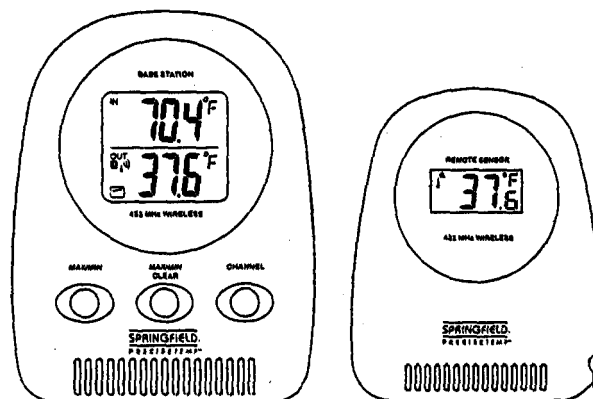


## **EXHIBIT 7**

**SPRINGFIELD®**  
**P R E C I S E T E M P™**

**INSTRUCTION MANUAL**

**Multi Zone Wireless Indoor/Outdoor Thermometer**



**MODEL NO. 91049-1**

**FEATURES**

**Base Station:**

- Easy read 1.4"H x 1.3"W dual-view LCD window
- Indoor/outdoor temperature displayed in °C or °F
- Three radio frequency channels to monitor temperature in three different locations up to 100 ft.
- Temperature trend arrow indicates rising, falling or constant temperature
- Programmable high/low temperature alert function
- Memory function recalls min/max temperature readings at all locations
- Indoor temperature range: 32°F to 122°F (0°C to 50°C)
- Tabletop or wall mountable
- Low battery indicator
- Requires 2 AA batteries (included)

**Remote Sensor:**

- .5"H x 1"W LCD temperature window
- Temperature displayed in °C or °F
- Remote sensor temperature range: 32°F to 122°F (0°C to 50°C)
- Remote sensor temperature range with probe: -58°F to 158°F (-50°C to 70°C)
- 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers or soil
- Tabletop or wall mountable
- Requires 2 AAA batteries (included)

## **LCD READOUTS**

### **BASE STATION:**

**Upper Display:** Indoor Temperature

**Lower Display:** Outdoor Temperature

### **REMOTE SENSOR:**

Displays Outdoor Temperature

## **BATTERY INSTALLATION / ACTIVATING BASE STATION:**

1. Install batteries into the base station first before the remote sensor.
2. The battery door is located in the back of the unit. Press and slide open the battery door. Install 2 AA size batteries into the battery compartment according to the polarity markings. Slide the battery door back into place.
3. The lower LCD of the receiving unit will indicate "---" and is ready to register the remote sensor(s).

## **BATTERY INSTALLATION / ACTIVATING REMOTE SENSOR**

1. Place remote sensor near base station.
2. Lift the click lock of the battery compartment and open the weatherproof battery cover.
3. Select the RF channel prior to installing the batteries. Slide the sensor switch to channel 1 for setup of the first remote sensor. Select channel 2 or 3 for a second or third sensor. Do not select the same channel (1, 2 or 3) for an additional sensor.
4. Install 2 AAA size batteries according to the polarity markings inside the battery compartment.
5. Once the batteries are installed, the remote sensor should automatically register with the base station within 3 minutes. The selected channel number and temperature should now be displayed in the lower LCD of the base station.

**NOTE: If automatic registration does not occur within 3 minutes, press and hold the RESET button located inside the battery compartment for at least 3 seconds to send a registration signal to the base station. If registration is successful, a beep will sound from the base station to confirm the new registration.**

6. Slide the C/F switch to the preferred temperature setting.
7. Once registration & C/F selection is complete, slide the battery door back into place.
8. To activate and register a second or third remote sensor with base station, follow steps 1 to 6 for each sensor.

A "low battery" icon will appear on the screen of the base station when the batteries of either the base station or remote sensors need to be replaced. In case of battery replacement for a remote sensor, follow the method at **DEACTIVATING REMOTE SENSOR** section to clear the memory at the base station first. Follow steps 1-7 above to register remote sensor.

### **DEACTIVATING REMOTE SENSOR / CLEARING BASE STATION MEMORY**

A remote sensor is deactivated once the batteries are removed from the unit. Once a remote sensor is deactivated, the base station's memory of the remote temperature needs to be cleared. If this is not done, the last temperature of the remote sensor will continue to show on the base station even though that remote sensor has been deactivated.

Press the RESET button on the back of the base station to clear the registration of a remote sensor that will no longer be in use. Hold the button for approximately 5 seconds until the base station beeps and "--- F" is displayed in the lower LCD. The base station is now ready to accept registration from a new remote sensor.

### **REMOTE SENSOR TRANSMISSION**

The tower icon on the remote sensor LCD will blink for each RF temperature transmission. The sensor is designed with a battery saving mode. Transmission to the base station occurs every 2.5 minutes when the temperature change is less than 0.3 degrees Fahrenheit. Whenever the temperature change is more than 0.3 degrees Fahrenheit, the signal will be transmitted instantly to the base station. If transmission has not been made to the base station within 11 minutes, "--- " will be displayed on the base station LCD. Try rotating the remote sensor in 45 degree steps to resolve the transmission problem. Wait at least 3 minutes after each position change to determine if transmission has been restored in the new position. If not, continue rotation or reposition both the base station and remote sensor until successful transmission.

**Note:** When the temperature falls below freezing point, the batteries of the remote sensor will freeze if left outside. This will lower their voltage supply and the effective range. It is best in freezing conditions to keep the remote sensor indoors and use the probe to measure outdoor temperature.

If there continues to be reception problem, contact Springfield Precision's Customer Service Department at 1-888-809-3284.

## **PRODUCT INSTALLATION**

Choose a suitable place for the base unit and remote outdoor sensor. Place the base unit near a window, but away from direct sunlight or other sources of heat or air conditioning to ensure accurate air temperature readings.

The remote sensor should be located away from direct sunlight and sheltered from the rain. Locate the sensor unit in a clear area to avoid signal interference. The maximum transmission distance from the remote sensor to the base station is 100 feet. Actual transmission distance may be reduced by interference from buildings, obstructions or a screen between the sensor and the base station.

The remote sensor will display the general outdoor temperature. The detachable 10' probe can be used to determine the temperature in pools, freezers or soil. To install probe, open the plug-hole cover on the side of the remote sensor and insert probe plug. Place end of probe into the specific area to read corresponding temperature. If the probe is not necessary, it is best to insert the attached the rubber plug into the hole on the side of the sensor.

Both the base station and remote sensor can be mounted on a wall or stand on a tabletop. To wall mount the units, drive a screw into the wall at the desired location until the head extends 1/8" from the wall. Locate back of the unit over the protruding screw head. To stand the base station or remote sensors on a tabletop, flip out the built-in stands.

## **OPERATION**

### **Selecting RF Channel:**

Use the Channel button on the front of the base station to display the temperature at the desired remote sensor location. Press the CHANNEL button to scroll through each of the registered channels. The corresponding remote sensor number & the temperature will be displayed in the lower LCD window of the base station.

### **Celsius/Fahrenheit Selection:**

The temperature on the base station and remote sensor can be displayed in either Celsius or Fahrenheit. Press the °C/°F button located in the back of the base station and in the back of the remote sensor under the battery door, to change the display to the desired unit of measure. The selected unit of measure will be displayed in the LCD windows.

### **Max/Min Memory Function:**

This RF thermometer records and displays the maximum and minimum temperature readings of the receiver and all active remote sensors.

Press the MAX/MIN button on the front of the unit once to display the maximum temperature readings. The maximum temperature will be displayed for approximately 10 seconds and MAX will appear in the right portion of the indoor and outdoor LCDs. Press the MAX/MIN button a second time while the maximum temperature is being displayed and the minimum temperature will be displayed. MIN will appear in the right portion of the indoor and outdoor LCDs. To return back to the current temperature, either press the MAX/MIN button a third time or wait approximately 10 seconds and the current temperature will be displayed automatically.

#### **Clearing Max/Min Memory:**

To clear the maximum and minimum temperature records, press the MAX/MIN CLEAR button while either the max/min indoor temperature or the max/min outdoor temperature is being displayed. The corresponding indoor or outdoor max/min temperature record being displayed when the MAX/MIN CLEAR button is pushed will be erased and " ---- " will appear briefly in the max/min display screen until the unit displays new maximum and minimum temperatures.

#### **Temperature Trend Indicator:**

This unit displays the trend of outdoor temperature via an arrow on the lower LCD window.

- An arrow pointing down indicates falling temperature
- An arrow pointing up indicates rising temperature
- A straight arrow indicates constant temperature conditions

The temperature trend arrow will change when the cumulative temperature readings have increased or decreased by more than 1 degree Fahrenheit. If the temperature does not change by more than 1 degree Fahrenheit within one hour, then the temperature trend arrow will be straight indicating constant temperature conditions.

#### **Temperature Alert Function:**

This unit can be programmed to alert you that the temperature has risen above or below a pre-determined range at the base station or any of the three remote sensor locations. When the temperature alert occurs, it will beep for 30 seconds and then repeat every minute for 5 minutes. Press any key to stop the temperature alert from beeping.

#### **To Program the Temperature Alert Feature:**

1. Press and hold ALERT button for 3 seconds. The top LCD display is used to set the lower limit and the bottom LCD display will set the upper limit. Both readouts will display "--- " and the unit is ready to be set.

2. Use the CHANNEL button to select the channel that the alert will be programmed for. The channel selected will appear on the lower-left portion of the LCD readout. If you want to program the alert for the base unit, press CHANNEL until IN appears in the upper-left portion of the top LCD display.
3. After selecting the channel, press the ALERT button once to set the upper limit. The lower LCD numbers will flash. The display will show the last upper limit set for the channel you have selected. Press the + or - button to change the upper limit alert value by 1.8°F (or 1°C) intervals. When the desired setting is reached, press the ALERT button once to confirm the setting. The lower LCD display will show the new setting and the top display will flash.
4. Set the lower limit in the same manner by pushing the + or - button until the lower limit is set to the desired temperature in the top LCD readout. Press the ALERT button once to confirm the setting & return to the current indoor and outdoor temperature readouts.

**To Activate the Temperature Alert Feature:**

Press the ALERT button to enable or disable both the upper and lower temperature alarms. The upper and lower arrow icons appear in the bottom-right portion of the lower LCD when temperature alert is enabled. If enabled, all alarms previously set for the base station and each channel become active and will signal if limits are reached or passed. If the alarm sounds because a temperature alert is reached and it is not from the indoor temperature or the current RF channel on display, the number of the channel will flash. Push the CHANNEL button to display the appropriate channel.

**PURCHASING ADDITIONAL SENSORS**

Additional sensors like the one furnished with this set may be ordered directly from Springfield Precision Instruments by calling 1-888-809-3284. Please have a major credit card ready when placing the call.

**LIMITED WARRANTY**

Springfield warrants this product to be free from defects in workmanship or material for a period of one year from the date of purchase. During the warranty period, such defects will be repaired or the defective instrument will be replaced, at our option, without charge. This warranty does not cover damage through accident or misuse. All implied warranties, including, but not limited to, warranties of fitness and merchantability are hereby limited in duration to a period ending one year from date of purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, which vary, from state to state. Repair or replacement will be made at our option if the instrument is returned postpaid with \$4.00 for return postage and handling to:

**SPRINGFIELD PRECISION INSTRUMENTS, INC.**

76 Passaic Street, Wood-Ridge, NJ 07075-1091  
1-888-809-3284

Made in China to Springfield's Precise Specifications

This device complies with Part 15 of the FCC rules.

Operation is subject to the following conditions:

This device may not cause harmful interference and must accept  
any interference received, including interference  
that may cause undesired operation.

User cannot modify products.

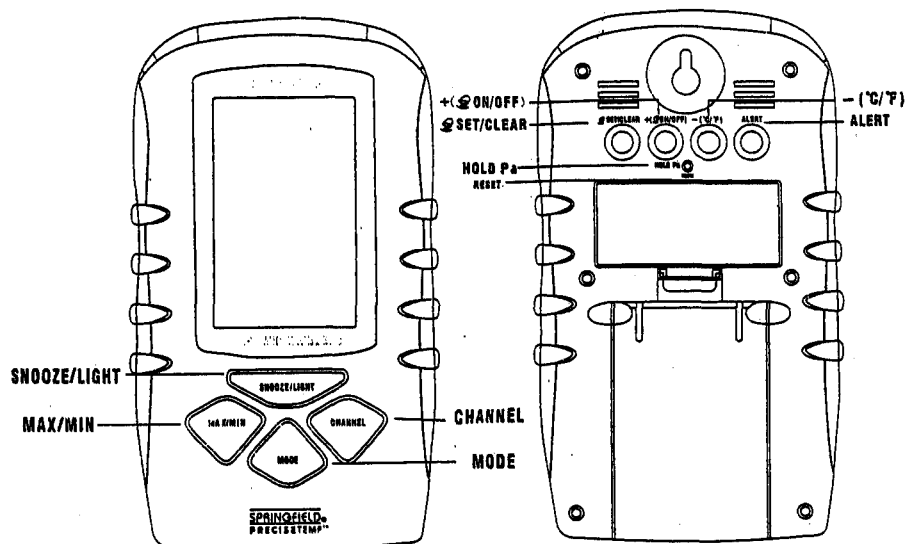
**Modifications not authorized by the manufacturer may void users  
authority to operate this device**



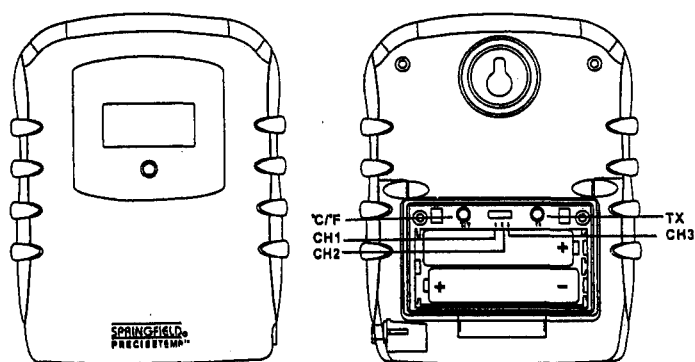
## **EXHIBIT 8**

# **SPRINGFIELD®** **PRECISETEMP™**

## **PRECISETEMP® RFWEATHER FORECASTER WITH HYGROMETER(91185)**



**Base Station**



**Remote Sensor**

Before installing batteries remove the sensor tag from battery compartment.

2. Hold "CHANNEL" button to register a new channel manually.  
The pointer displayed on the LCD indicates the trend of the outdoor temperature.

" ↗ " indicates the outdoor temperature is increasing.

" → " indicates the outdoor temperature is steady.

" ↘ " indicates the outdoor temperature is decreasing.

#### Setting Temperature Alert Function:

##### Setting Indoor Temperature Alert:

1. Press and hold the alert button for 2 seconds, until the "--" is blinking in the upper display.

2. Press the alert button a second time.

3. Press the "+" or "-" button to select the desired upper limit temperature.

4. Press the Alert button to lock in setting.

5. Press the "+" or "-" button to select the desired lower limit temperature.

6. Press the Alert button to lock in the settings.

##### Setting Outdoor Temperature Alert:

1. Hold the Alert button for 2 seconds, press the "+" or "-" button the lower display will be blinking. Press the Alert button a second time.

2. Press the "+" or "-" button to select the desired upper limit temperature.

3. Press the Alert button to lock in setting.

4. Press the "+" or "-" button to select the lower limit temperature.

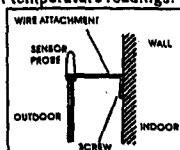
5. Press the Alert button a third time to lock in the settings.

To deactivate the temperature alert function, press the alert button on the back of the unit. The alert icon "⚡" will no longer appear in the display if the alert has been deactivated.

#### PRODUCT INSTALLATION

Choose a suitable place for the base unit and remote outdoor sensor. Place the base unit near a window, but away from direct sunlight or other sources of heat or air conditioning to ensure accurate air temperature readings.

The remote sensor should be located away from direct sunlight and sheltered from the rain. Locate the sensor unit in a clear area to avoid signal interference. The maximum transmission distance from the remote sensor to the base station is 100 feet in open space. Actual transmission distance may be reduced by interference from buildings, obstructions or a screen between the sensor and the base station.



The detachable 10' probe can be used to determine the temperature in pools, freezers, soil or when temperature readings are required below 32 F. To install probe, insert probe plug on the side of the remote sensor. Place end of probe into the specific area to read corresponding temperature.

#### Using the Remote Sensor in Freezing Conditions:

When the temperature falls below freezing point, the batteries of the remote sensor will freeze if left outside. This will lower their voltage supply and the effective range. It is best in freezing conditions to keep the remote sensor indoors and use the 10 ft. probe to measure outdoor temperature. The probe can be routed through a nearby window and attached with the wire attachment as illustrated in the diagram above.

The remote sensor can be mounted on a wall or stand on a tabletop. To wall mount the unit, drive a screw into the wall at the desired location until the head extends 1/8" from the wall. Locate back of the unit over the protruding screw head.

#### PURCHASING ADDITIONAL SENSORS

Additional sensors like the one furnished with this set may be ordered directly from Springfield Precision Instruments by calling 1-888-809-3284. Please have a major credit card ready when placing the call.

#### LIMITED WARRANTY

Springfield warrants this product to be free from defects in workmanship or material for a period of one year from the date of purchase. During the warranty period, such defects will be repaired or the defective instrument will be replaced, at our option, without charge. This warranty does not cover damage through accident or misuse. All implied warranties, including, but not limited to, warranties of fitness and merchantability are hereby limited in duration to a period ending one year from date of purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, which vary, from state to state. Repair or replacement will be made at our option if the instrument is returned postpaid with \$4.00 for return postage and handling to:

- select the hour then press the mode button to confirm the setting.
- The minute digits will now be blinking. Press the "+" or "-" buttons to select the minutes then press the mode button to confirm the setting.  
*Note: A blinking "0" and "TZ" should appear in the display. This setting must always remain at "0". If setting is not at "0" press the "+" or "-" buttons to bring setting back to "0". Press the mode button to confirm this setting.*
  - The year will be blinking. Press the "+" or "-" buttons to select the year. Press the mode button to confirm settings.
  - The month will be blinking. Press the "+" or "-" buttons to select the month, press the mode button to confirm the setting then select the day and press the mode button again.
  - The time setting mode will automatically exit in 8 seconds without any adjustment.

#### Setting Alarm Clock 1 & 2 Function:

- Press the MODE button twice to set Alarm 1 ("🔔" flashes on the LCD) *note: the display will go back to time mode if MODE button is not pressed for 3 seconds.* Press and hold the Set/Clear button on the back of the unit for 2 seconds. The hour digits will now be blinking. Press the "+" or "-" buttons to select the hour and press the Set/Clear button to confirm the setting. Repeat these steps to select the minutes.
- To Set Alarm 2 Press the MODE button three times ("🔔" flashes on the LCD) *note: the display will go back to time mode if MODE button is not pressed for 3 seconds.* Press and hold the Set/Clear button on the back of the unit for 2 seconds. The hour digits will now be blinking. Press the "+" or "-" buttons to select the hour and press the Set/Clear button to confirm the setting. Repeat this step to set the minutes.
- The bell icon will be displayed if the alarm has been successfully activated.

#### To Stop the Alarm:


- Press the snooze button, the snooze feature will be engaged and the snooze icon will be displayed.
- The alarm snoozes for 8 minutes, then it sounds again.
- Press any button to stop the alarm.
- To activate the back light, press the SNOOZE/LIGHT button. Light remains on for 5 seconds.
- To deactivate the alarm, press the Mode button twice then press the "On/Off" button located on the back of the unit. If the alarm is activated an "on" icon will be displayed if the alarm is off an "of" icon will be displayed. Follow the same steps to deactivate Alarm 2.
- The bell icon will no longer be displayed on the clock if the alarm has successfully been deactivated.

#### Maximum/Minimum Memory Function:


- Press MAX/MIN button once to show the maximum indoor, outdoor temperature and humidity readings.
- Press MAX/MIN button twice to show the minimum indoor, outdoor temperature and humidity readings.
- While the Max/Min is displayed press SET/CLEAR button to clear the recorded maximum or minimum reading.

#### Weather Forecast function:

- Press "HOLD Pa" button for 2 seconds. Then press "C/F" button to choose the current weather. The current weather must be input to activate forecaster.
- Press "HOLD Pa" button to confirm the setting.  
For more accurate forecasting, input rainy weather again when it is raining.  
The weather station will begin forecasting 6 hours after initial set up. The forecast will show one of the following five icons on the LCD.

"  " means Sunny.

"  " means Slightly Cloudy.

"  " means Cloudy.

"  " means Rainy

"  " means Cloudburst.

Weather forecasting is a complex process, if there is any inconsistency of weather forecast between your local weather station and this unit, the local weather station's forecast should prevail.

#### Display Outdoor Temperature:

- Press "CHANNEL" button to view the 4 different modes to display the 3 channels' temperature. The 4 modes are: displays the 1" channel, the 2" channel, the 3" channel or automatically scrolls through 3 channels ("C" shows on the LCD in this mode).

**Base Station:**

- 12 or 24 Hour selectable clock with two daily alarms
- Indoor/outdoor temperature displayed in °C or °F
- LED back light
- Three radio frequency channels to monitor temperature in three different locations up to 100 ft in open space (additional remote sensors may be required)
- Temperature trend arrow indicates rising, falling or constant temperature
- Temperature alert feature
- Memory function recalls min/max temperature and humidity readings at all locations
- Indoor temperature: 32 °F to 122 °F (0 °C to 50 °C)
- Humidity: 20% - 90%
- Low-battery indicator
- Weather forecast showing sunny, slightly cloudy, cloudy, rainy and cloudburst
- Table top or wall-mountable
- Requires 2 AAA batteries

**Remote Sensor:**

- Transmission range up to 100 ft (range may be shorter based on amount of interference present in operation environment)
- Remote sensor temperature range: 32 °F to 122 °F (0 °C to 50 °C)
- Remote sensor temperature range with probe: -58 °F to 158 °F (-50 °C to 70 °C)
- 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers, soil or when temperature readings are required below 32 °F
- Requires 2 AAA batteries

**LCD READOUTS****Base Station:**

Displays Weather Conditions, Indoor Temperature, Outdoor Temperature, Clock, and Indoor Humidity.

**Remote Sensor:**

Displays Outdoor Temperature

**ACTIVATING BASE STATION:**

1. Install batteries into the base station first before the remote sensor.
2. The battery door is located in the back of the unit. Lift open the battery door. Install 2 AAA size batteries into the battery compartment according to the polarity markings. Snap the battery door back into place.
3. Press the °C / °F button on the back of the unit to select the temperature format.

**ACTIVATING REMOTE SENSOR:**

1. Place remote sensor near base station.
2. Select the RF channel prior to installing the batteries. Slide the sensor switch located inside battery compartment to channel 1 for setup of the first remote sensor. Select channel 2 or 3 for a second or third sensor. Do not select the same channel (1, 2 or 3) for an additional sensor.
3. Unsnap the click lock on the battery compartment door and turn the unit over to allow the battery door to drop out. Install 2 AAA size batteries into the battery compartment according to the polarity markings.
4. Press the °C / °F button located inside the battery compartment to select the temperature format.
5. Once the batteries are installed, the remote sensor should automatically register with the base station within 3 minutes. The selected channel number and temperature should now be displayed in the LCD of the base station.
6. To close the battery door insert the battery door top first, then push the door down and snap it back into place.

**NOTE:** If automatic registration does not occur within 3 minutes, press and hold the TX button located inside the battery compartment for at least 3 seconds to send a registration signal to the base station. If registration is successful, the temperature will appear thus confirming the new registration.

7. To activate and register a second or third remote sensor with base station, follow steps 1 to 5 for each sensor, making sure that all sensors are on different channels.

A "  " icon will appear on the screen of the base station when the batteries for a remote sensor need to be replaced.

When replacing the battery of a remote sensor, follow the instructions in the DEACTIVATING REMOTE SENSOR section to clear the memory at the base station first. Next, follow steps 1-6 above to re-register the remote sensor.

**DEACTIVATING REMOTE SENSOR / CLEARING BASE STATION MEMORY**

A remote sensor is deactivated by removing the batteries from the unit. To clear the base station memory you need to insert a pin or paper clip into the reset button (located above battery compartment) for approximately 5 seconds or until "----F" is displayed in the lower LCD. The base station is now ready to accept registration from a new remote sensor.

**Setting the Clock and Date:**

The clock can be set by following these steps:

1. The clock can be displayed in either a 12 hour or 24 hour format. Press the "MODE" button for 2 seconds. The lower left LCD display will be blinking with 12 hr or 24 hr. Press the "+" or "-" buttons located on the back of the unit to select 12/24hr mode. Press MODE button to confirm setting.
2. The LCD window will now display the hour and minute digits, with the hour digits blinking press the "+" or "-" buttons to

## **EXHIBIT 9**



VIEW CART | WISH LIST | YOUR ACCOUNT

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**Homedics DWS-200 Wireless Digital Indoor/Outdoor Weather Station**  
HoMedics



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**Availability:**

Usually ships within 1-2 business days

**MORE BUYING CHOICES**

**1 new, used & refurbished** from \$34.99

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Don't have one?  
We'll set one up for you.

**Features:**

- 12 or 24-hour clock with radio-controlled Atomic time, alarm, snooze, backlit screen
- Includes remote sensor; 2-year limited warranty
- Shows indoor/outdoor temperature, indoor humidity, time, date
- Easy-to-read digital 4-line LCD display; Fahrenheit/Celsius selectable
- High/low temperature memory; temperature trend indicator

**Amazon.com Sales Rank in Health & Personal Care:**

#14,388

**Shipping:** Currently, item can be shipped only within the U.S.

**Shipping weight:** 0.95 pounds.

**ASIN:** B0000AR6Y2

**Item model number:** DWS-200

**Date first available at Amazon:** August 15, 2003

**Average Customer Review:**

Based on 4 reviews. [Write a review.](#)

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## Label Information

### Amazon.com

If you're planning an outing for the day or simply want to know what the weather is doing outside before you get dressed, this indoor/outdoor weather station gives you all the stats. At the top of the four-part LCD is the outdoor temperature, which reads from a remote sensor that you place outside within 100 feet from the main unit. An arrow to the right of the outdoor temperature predicts temperature trends for the next hour. Below the outdoor temperature, the LCD provides the current indoor temperature and humidity reading. The precise date and the time (in either 12 or 24-hour intervals) display on the bottom half of the screen, and synchronicity with the Atomic Clock assures that the data is always accurate. The clock also has an alarm and snooze button so you can place it directly next to your bed and wake up to an accurate weather report. The temperature can be set to display in either Celsius or Fahrenheit, and a maximum/minimum button lets you see the high and low temperature readings for the day. This wireless thermometer either sits on its attached stand on a tabletop or mounts to a wall. The unit runs on two AA batteries (included) and is covered by a two-year limited warranty. --Cristina Vaamonde

### Product Description

Wireless Digital Indoor/Outdoor Weather Station

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## All Customer Reviews

**Average Customer Review:** ★★★★★

**Write an online review and share your thoughts with other customers.**

★★★★★ **AKA EnviraStation DWS-200**, January 4, 2005

Reviewer: **M. R. Reynolds** (Tulsa, OK United States) - [See all my reviews](#)  
REAL NAME

I found this weather station at a well known home store on an after Christmas sale table for about half the normal price. My unit is branded "EnviraStation DWS-200" but it actually is the Homedics DWS-200. Read the DWS-200 weather station instructions and put the included batteries in the base unit first before you put the batteries in the remote sender. You need a very small screwdriver to open the remote battery door. The screwdriver is not included. It took about five minutes for the base unit to hear the remote unit and lock on. It took an hour or so for the base unit clock to hear WWV. The unit has a snooze alarm and indoor humidity sensor. At the price I paid for this weather station I believe I found an absolute steal.



Was this review helpful to you? ☒ yes ☐ no [\(Report this\)](#)

2 of 3 people found the following review helpful:

☆☆☆☆ **not enough features and very poor quality**, April 3, 2004

Reviewer: **A customer**

It's only thirty dollars, but who cares. The features are nothing, and it's not worth thirty dollars. another down is the way you have to set it. Not very good. It's very small, and just isn't right for your home, unless you live in a small house. Even worse, I bought this and it broke after one week. so avoid this horrible product.

Was this review helpful to you? ☒ yes ☐ no [\(Report this\)](#)

1 of 3 people found the following review helpful:

☆☆☆☆ **would be great... if it worked**, January 31, 2004

Reviewer: **A customer** (Chevy Chase, MD United States)

perhaps i was unlucky, but the thing was totally dead straight out of the box, so i returned and decided to get a weather channel one which works fine.

Was this review helpful to you? ☒ yes ☐ no [\(Report this\)](#)

1 of 1 people found the following review helpful:

☆☆☆☆ **Definitely a 4 star product**, January 23, 2004

Reviewer: **"chinczyk"** - [See all my reviews](#)

Easy installation and use. Cool design which gives a very modern look. The only down side is the setting. Have to reset several times before the wireless link works.

Was this review helpful to you? ☒ yes ☐ no [\(Report this\)](#)

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### Suggestion Box

Your comments can help make our site better for everyone. If you've found something incorrect, broken, or frustrating on this page, let us know so that we can improve it. Please note that we are unable to respond directly to suggestions made via this form.

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## EnviraStation™ Wireless Weather Station with Radio Controlled Atomic Time

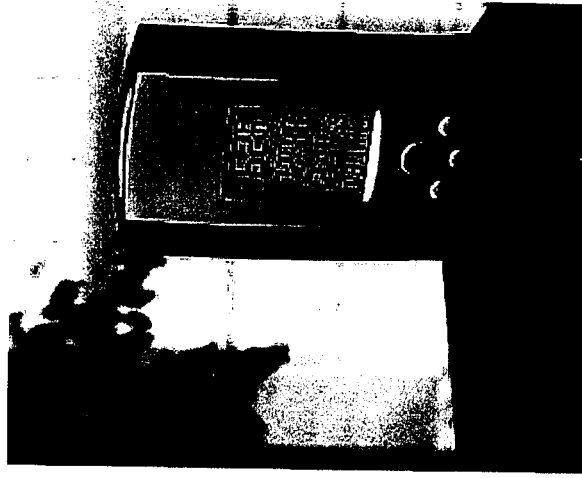
### Always Accurate

With atomic time this weather station is always accurate and even adjusts for daylight savings time. The LCD display on the remote sensor displays temperature readings between -4°F & 140°F and transmits temperature readings up to 100ft. away.

You also get a full function alarm clock, day and date, snooze and backlight button. It also measures humidity levels. Just look at the temperature trend indicator and see what's happening in the basement, kitchen, outside or wherever the unit is placed. It's hard to believe one small unit could do so much!

### Features

- RF wireless technology.
- 4 line LCD display.
- 3 channel wireless thermometer.
- Radio controlled atomic time.










- Min/Max temperature memory.
- 12/24 hour clock with date.
- Full function alarm.
- Snooze feature.
- Backlight.
- Includes remote sensor with LCD display & batteries.
- Wall or stand mount.

Model Number: DWS-150

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## EnviraStation™ Wireless Weather Station Forecaster

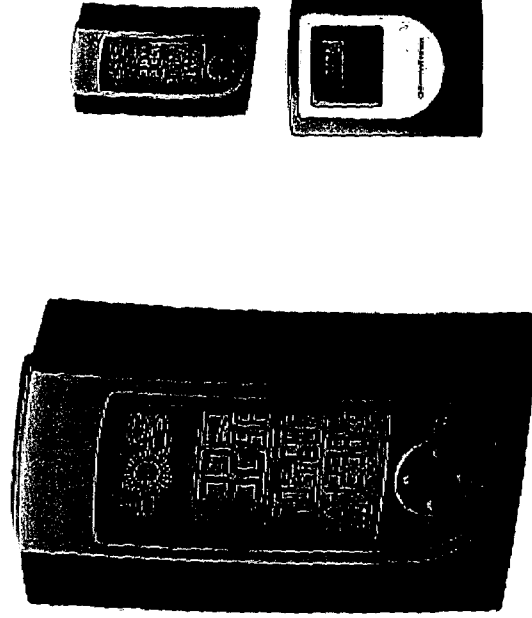
### Forecast the Weather

Now you can predict the temperature right in the convenience of your own home. This highly advanced weather forecaster predicts the weather 8 to 12 hours ahead of time so you can plan your day, dress accordingly or even schedule special events. You can also track humidity or use the clock/dual-alarm/snooze feature.

You'll stay on top of the fluctuating outdoor temperatures with the remote sensor that has 100ft. range and sends the temperature changes directly to your indoor display. Included are five weather icons: Sunny, Partly Sunny, Cloudy, Rainy and Stormy. Forecasting the weather has never been easier.

### Features

- Weather forecast with 5 icons.
- 4 Line LCD display.
- 3 channel wireless thermometer.
- Temperature and humidity trend indicators.



- Radio controlled atomic time.
- Minimum and maximum temperature memory.
- Farenheit and Celcius selectable.
- 12/24 hour clock with date.
- Full function dual alarm with snooze.
- Backlight.
- Includes remote sensor with LCD display & batteries.
- Wall or stand mount.

Model Number: DWS-220

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## Reviews

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## EnviraStation™ Wireless Weather Station with Temperature Trend Indicator

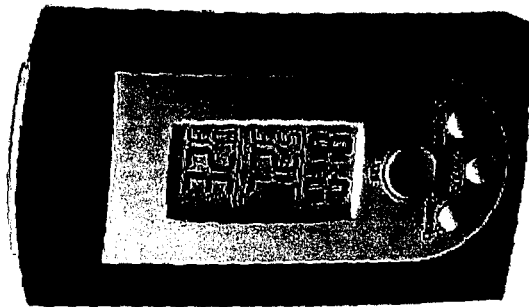
### Monitor the Outdoors

Featuring an easy to read digital display this indoor/outdoor weather station is fun and easy to use. Place the wireless remote sensor anywhere: outside, in the babies room, or even in your wine cellar. The temperature is transmitted back to the base unit within a 100 foot range.

The unit has a full function alarm clock with day, date and snooze. Temperature recordings have a minimum and maximum setting and batteries are included. The unit has both a stand or wall mount feature. Now you don't have to watch the local weather forecast to know the outdoor temperature.

### **Features**

- RF wireless technology.
- 3 line LCD display.
- 3 channel wireless thermometer.
- Radio controlled atomic time.



- Min/Max temperature memory.
- 12/24 hour clock.
- Full function alarm.
- Snooze feature.
- Backlight.
- Stand or wall mount.
- Includes remote sensor with LCD display & batteries.

Model Number: DWS-130

Store Locator  
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## Reviews

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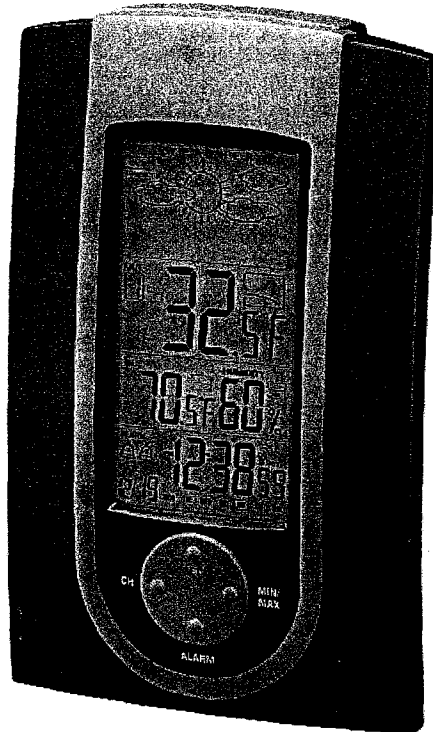
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 ENVIRASTATION™

# Weather Station

*Wireless Operation*



**Instruction Manual and  
Warranty Information**

DWS-220

El manual en  
español empieza  
a la página 13

**2** year  
limited warranty

## GETTING STARTED

1. **IMPORTANT: Insert batteries into the home receiver unit first.**

### Home Receiver:

- Remove the battery cover on the back of the unit. Install 2 alkaline AA batteries according to the polarity indicated. Close the battery cover.

### Remote Sensor:

- Install 2 alkaline AA batteries according to the polarity indicated. Close the battery cover.
2. Place the home receiver as close as possible to the remote sensor. This will help with synchronization between the two units.
3. **REMEMBER:** Once you are ready to position your remote sensor and home receiver, ensure that the distance is not outside the effective transmission range (100 feet). Some building materials and location of the home receiver or remote sensor can affect transmission quality and range. Try various locations for best results.

**NOTE: There are no consumer serviceable parts. All questions or service requests should be directed to our consumer relations department. (See Warranty section for contact information.)**

## INPUT EXISTING WEATHER CONDITIONS


To ensure accurate weather forecast under different altitude situations, you should first enter the existing weather condition manually. The weather icon will be flashing.

1. Select the existing weather condition by toggling through the selections with the "MAX/MIN" button. These conditions will be displayed as: Sunny, Partial Sunny, Cloudy, Rainy, or Stormy at the top of the LCD display.
2. Once the correct condition is selected, press the "CLEAR" button on back of unit to confirm and exit.
3. The unit is now calibrated to the existing pressure and weather conditions.

## SETTING TIME

### **RADIO-CONTROLLED CLOCK**

The home receiver will start synchronizing the clock after the 1st channel of the RF thermometer is registered.

1. At normal mode, hold the " - " button located on the back of the home receiver for 3 seconds to force synchronization.
2. The antenna icon will appear during the synchronization process (on the right side of the time display).
3. If the icon disappears afterwards, radio time signal is not available at that moment. Try setting the home receiver in other locations. Remember to place the unit away from sources of interference such as mobile phones, appliances, TV etc.
4. The antenna icon  will appear on screen if the radio time reception is successful. The radio-controlled clock will have a daily synchronization at 1:00 am everyday. If previous attempts of reception were unsuccessful, the home receiver will attempt synchronization each hour until successful.
5. Each reception cycle is minimum 2 minutes and maximum 10 minutes.

### **TIME ZONE SELECTION**

Press "SET" button on the front of home receiver to select from the following time zones in the U.S. (zone is displayed in the upper right hand corner of time display).

P - Pacific Standard Time	M - Mountain Standard Time
C - Central Standard Time	E - Eastern Standard Time

### **MANUAL SETTING FOR CLOCK & CALENDAR**

If atomic time is unavailable in your area or to manually set/over ride this feature;

1. Hold "SET" button for 3 seconds to enter clock set.
2. First, select 12 hour or 24 hour setting using the " + , - " buttons located on the back of the home receiver. Press "SET" button to confirm.

Now you will select the calendar settings-

3. **Select Year** - Use the " + , - " buttons located on the back of the home receiver to adjust year setting. Press " **SET** " button to confirm.
4. **Select Month/Day** - Use the " + , - " buttons located on the back of the home receiver to adjust month/day setting. Press " **SET** " button to confirm.
5. **Select Hour/Minute** - Use the " + , - " buttons located on the back of the home receiver to adjust hour/minute setting. Press " **SET** " button to confirm.
6. **DST On/Off** (Daylight Savings Time) - Use the " + , - " buttons to turn DST on or off. Press " **SET** " button to confirm.

## FAHRENHEIT/CENTIGRADE SELECTION

You can now select either Fahrenheit or Centigrade temperature readings. Hold the max/min button for 3 seconds to toggle between Fahrenheit or Centigrade readings.

## ALARM FUNCTIONS

### TO SELECT BETWEEN ALARM 1, ALARM 2 OR ALARM OFF

Press " +/Δ " button on the back of the unit to scroll through selections.

For Daily Alarm - The appropriate " ☺ " icon will appear in the upper left corner of the time display.

No Alarm - The " ☺ " icons will not be shown.

### TO SET ALARM TIME

1. Press " **ALARM** " button once to select Alarm 1 or twice for Alarm 2.
2. Once you select the correct alarm, hold the " **ALARM** " button down for 3 seconds.
3. **Set alarm time** - Press " + , - " on the back of the unit to enter the desired Hr/ Min values. Press " **ALARM** " to confirm.
4. **To view alarm time** - Press " **ALARM** " button. Alarm time will display for 5 seconds and then resume to normal clock thereafter.
5. The home receiver will provide either a daily alarm, which last for 2 minutes or a snooze mode where the alarm will repeat every 5 minutes until manually cleared (see SNOOZE/LIGHT section below.)
6. **To turn ringing alarm off** - Simply press the button under the LCD display. The alarm is now off for one day.

## SNOOZE/ LIGHT

1. Press the SNOOZE/ LIGHT button for an extended backlight.
2. In snooze alarm mode, press this button to trigger a repetitive snooze alarm.

## MIN/ MAX MEMORY SETTINGS

1. Press " **MIN/ MAX** " button to view the maximum values for 5 seconds. Press again to view the minimum values.
2. To clear the memory record, press " **CLEAR** " button on the back of the unit while the respective values are displayed on screen.

## TEMPERATURE TREND INDICATOR:

Next to each weather reading on the home receiver LCD display, you will see one of 3 icons;

- will indicate **Rising Conditions** if it changes more than 1 degree in an hour
- will indicate **Steady Conditions**
- will indicate **Falling Conditions** if it is more than 1 degree in an hour.

## WEATHER FORECAST

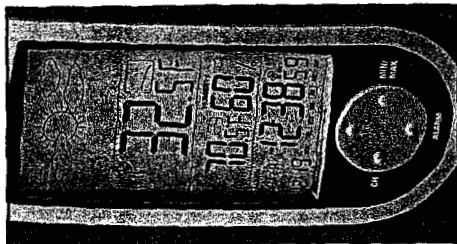
The built-in sensor will read the atmospheric pressure and calculate the weather conditions of the next 12 hours. These conditions will be displayed as; Sunny, Partial Sunny, Cloudy, Rainy, Stormy or Icy at the top of the LCD display.

## OFFSETTING AIR PRESSURE FOR

### WEATHER FORECAST

After the initial step or in case the weather forecast deviates, you can still recalibrate the unit.

1. Hold " **CLEAR** " button for 3 seconds to enter the pressure offset mode. The weather icon will flash.
2. Select the existing weather condition by pressing " **MAX/MIN** " button.
3. Press " **CLEAR** " to confirm and exit.
4. The unit is now calibrated to the existing pressure and weather conditions.



## LOW BATTERY INDICATION

Low battery indication is available for the home receiver and the remote sensor. A battery life "⬇" icon will be shown on the remote sensor and on the home receiver. Replace the batteries as necessary and follow the setup procedure as mentioned earlier in the "GETTING STARTED" section.

## MOUNTING INSTRUCTIONS

### Table Top -

For the home receiver, fold the base down and into the back of the unit. For the remote sensor, simply pull out the integrated stand from the bottom.

### Wall Mount -

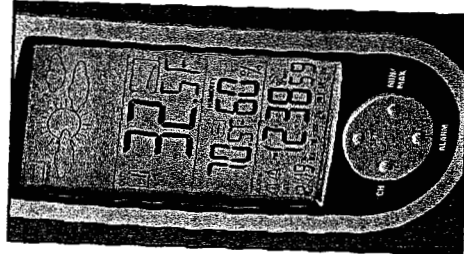
For the remote sensor - Set a screw into the desired hanging location and mount.

### For Home Receiver -

Pull base out and fold up onto mounting pegs. (Base will snap into place). Set a screw into the wall and mount.

## MAINTENANCE AND CARE INSTRUCTIONS

- Extreme temperatures, shock or areas of unusual vibration should be avoided to prevent damage to the units.
- Clean the units using only a soft, damp cloth to wipe. Do not use solvents, abrasives, detergents or other strong cleaning agents. After cleaning, wipe surfaces with a dry cloth.
- Do not submerge units in water or other liquids.
- Do not subject the units to extremely severe temperatures
- DO NOT PLACE UNITS INTO OVENS, FREEZERS or MICROWAVE OVENS.



## NOTES

- Opening the housing of either the remote sensor or the home receiver will invalidate your warranty. Do not attempt to repair this unit. There are no consumer serviceable parts.
- If you encounter any difficulties in setting up your wireless thermometer system, please contact Consumer Relations.
- Your new RF Thermometer is built with random security code technology. The home receiver will learn the random code of the remote sensors and log them in set the first remote sensor as Channel 1, and set the additional remote sensor as Channel 2 and Channel 3 if necessary. The home receiver can monitor up to 3 separate sensors.
- Once a channel is registered, it will not accept any new sensors. However, registered channels can be erased by removing the batteries in the remote sensor or the home unit.
- When replacing batteries for the remote sensor - Remember to clear the corresponding channel of the home receiver by removing the batteries.
- OR- Select the respective channel of the sensor by pressing the CHANNEL button on the home receiver. Hold the CHANNEL button for 3 seconds to clear the registration.
- When replacing batteries for the home receiver - Please remove the batteries of all remote sensors. Once you have replaced the home receiver batteries, re-install the batteries to the sensors and re-log them in again. This will ensure that the home receiver and the remote sensors are properly synchronized.
- Press the Tx button on the back of remote sensor to verify the RF reception.
- It is recommended to test the home receiver and the remote sensor next to each other to ensure that both are properly synchronized.
- Keep the remote sensor out of direct sunlight and rain. Do not mount on a metal surface.

## About the Atomic Clock

The National Institute of Standard and Technology (NIST) in Fort Collins, Colorado broadcasts the time signal (WWVB at 60kHz AM radio signal) with an accuracy of 1 second per every 3,000 years. The signal will cover a distance up to 2,000 miles from the source. Like a typical AM radio, your Atomic Clock will not be able to receive the WWVB signal in places surrounded by heavy concrete or metal panels. The reception of the time



signal can be affected by mobile phones, TV, electrical appliances or other electronic interference. To get the best performance of the Atomic clock, please install the home receiver near a window and away from large metallic objects. If the unit is not working properly, change the unit position. There may be some interference at this location.

## **TROUBLE SHOOTING**

### **Indoor and Outdoor temperatures do not match when placed next to each other -**

Each sensor is manufactured to be  $\pm 2$  degrees in accuracy under normal conditions. So it is possible to have up to four degrees difference shown on the separate temperature sensors (one could be  $\pm 2$  degree" and the other  $\pm 2$  degrees". Additionally, the calibration curve is different between the two units because of the greater temperature range of the outdoor sensor. Errors are usually noted on the extreme ends of the temperature ranges.

### **Base unit is not accepting remote transmissions -**

The units may not be properly synchronized or the batteries may need to be replaced. See "GETTING STARTED" section beginning on page 2 of the instructions for detailed instructions. With the two units next to each other, attempt synchronization. Remember to always place the remote sensor within the effective transmission range and away from large metal surfaces.

### **What is the recommended battery type?**

Your unit will come with 4 "AA" alkaline batteries (2 "AA" batteries required for each unit). We recommend using only alkaline batteries for replacements.

### **Where can I mount the remote sensor?**

To get accurate readings and to prolong the life of your sensor, we recommend that you mount it out of direct sunlight and rain. Fog and mist will not affect the sensor, but large volumes of soaking rain may. To guard against this, we recommend that you mount it under the eave of your house, your garage or any other suitable place that will keep it out of direct sun and rain.

### **Outdoor Temperature Reading shows "-"**

This is usually an indication that the channel selector (located in the top left corner of the home receiver) is set incorrectly to receive the signal from the remote sensor. If you have only one remote sensor, ensure that the channel selector is set to "1". To change the channel, press the "channel" button located on the front of the home receiver.

The home receiver may also be "scrolling" - looking for sensor readings from more than one remote sensor. This home receiver can support up to three remote sensors (only one is included). If it is looking for more than one remote sensor, a "C" icon will appear below the channel designator. Again, to select a reading from just one remote sensor, press the "channel" button to remove the scroll icon and ensure that the channel selected now reads "1".

### **The unit is "locked" - I can't perform unit functions -**

When this occurs, the unit may be in "forced synchronization" mode. If the radio antenna icon shows "waves" projecting from it, the unit is attempting to synchronize with the atomic clock frequency. To override, simply press the "-" button on the back of the unit. You will now be able to perform all other functions.

### **The weather forecast does not match current outdoor conditions -**

The forecast projects weather conditions 8-12 hours into the future. It does not reflect current conditions.

To ensure accurate weather forecast, it may be necessary to manually enter existing conditions (see page 2 "Input Existing Weather Conditions").

## Name and Functions of Buttons:

<b>SET</b> + / -	<b>Functions</b>
	Select PST, MST, CST, EST 1 step forward, Select Alarm(s) on/off 1 step backward Display alarm time for 5 sec at normal mode Read minimum/ maximum record 5 sec
<b>ALARM</b> - / +	<b>If button is held down</b> Enter clock & calendar setting Fast advance Fast backward Atomic time seek
<b>MIN/MAX</b>	
<b>CHANNEL</b>	Select Channel 1,2,3, auto scroll Delete current channel
<b>SNOOZE/</b>	Backlight on for 5 seconds,
<b>BACKLIGHT</b>	Trigger snooze alarm, stop alarm
<b>CLEAR</b>	Clear memory at Min/ Max Select weather conditions

## FCC DISCLAIMER

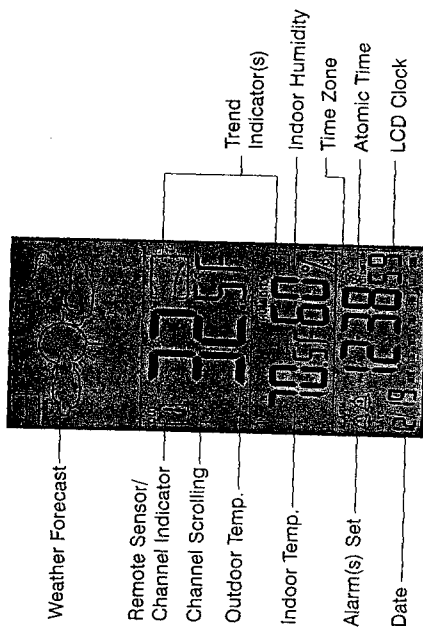
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules, these limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Modifications not authorized by the manufacturer may void users authority to operate this device.

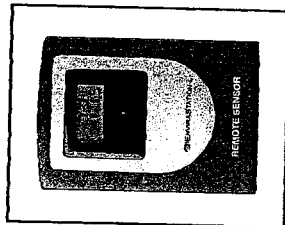
FCC ID: L5C0761TX-H (Transmitter) Freq. 434 MHz

10

## HOME RECEIVER



## REMOTE SENSOR



## SPECIFICATIONS

Range of temperature/humidity measurement:

Indoor temp : +32 F to +122 F (0 C to + 50 C)

Indoor humidity: 20% to 99% RH

Remote sensor: -4 F to +140 F (-20 C to +60 C)

Channel: max. 3 remote sensors

Transmission: max. 100 ft. (30 m) open area, RF434 MHz

Resolution: 0.1 degree for temperature, 1% for humidity

Clock: WWVB Radio-controlled

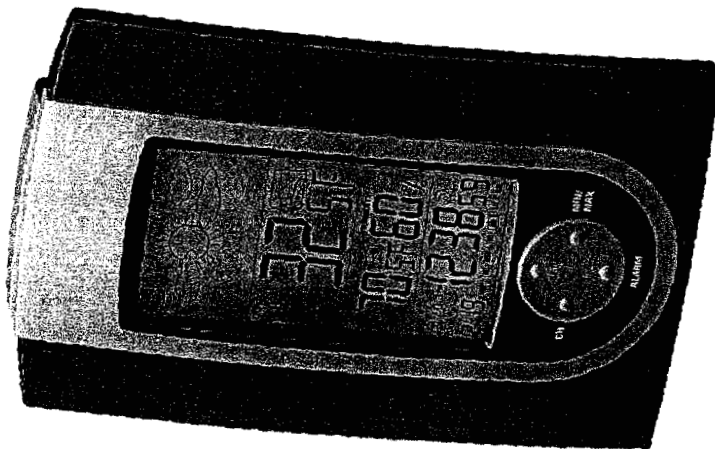
Power source: 2 Alkaline AA batteries - home receiver  
2 Alkaline AA batteries - remote sensor

11

ENVIRASTATION

ENVIRASTATION

# Estación meteorológica Funcionamiento inalámbrico



Manual de instrucciones e  
información de garantía

DWS-220

2 años  
garantía limitada

## TWO YEAR LIMITED WARRANTY (Valid in USA only)

HoMedics guarantees this product free from defects in material and workmanship for a period of two years from the date of original purchase, except as noted below.

This HoMedics product warranty does not cover damage caused by misuse or abuse; accident; the attachment of any unauthorized accessory; alteration to the product; or any other conditions whatsoever that are beyond our control. This warranty is effective only if the product is purchased and operated in the USA. A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications is not covered under warranty. HoMedics shall not be responsible for any type of incidental, consequential or special damages. All implied warranties, including but not limited to those implied warranties of fitness and merchantability, are limited in the total duration of two years from the original purchase date.

To obtain warranty service on your HoMedics product, either hand deliver or mail the unit and your dated sales receipt (as proof of purchase), postpaid, along with check or money order in the amount of \$5.00 payable to HoMedics to cover handling.

Upon receipt, we will repair or replace, as appropriate, your product and return it to you, postpaid. If it is appropriate to replace your product, we will replace the product with the same product or a comparable product at our option. Warranty is solely through our Service Center. Service of this product by anyone other than HoMedics Service Center voids warranty.

This warranty provides you with specific legal rights. You may have additional rights which may vary from state to state. Because of individual state regulations, some of the above limitations and exclusions may not apply to you.

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IB-DWS220

Mail To:

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Consumer Relations  
Service Center Dept. 168  
3000 Pontiac Trail  
Commerce Township, MI  
48390

e-mail:

cservice@envirastation.com

Toll Free

1-800-466-3342

## INTRODUCCIÓN

1. **IMPORTANTE:** Introduzca las pilas en la unidad receptora interior primero.

### Receptor interior:

- Levante la tapa del compartimiento de las baterías en la parte posterior de la unidad. Instale 2 pilas alcalinas AA de acuerdo con la polaridad que se indica. Cierre la tapa del compartimiento de las pilas.

### Sensor exterior:

- Instale 2 pilas alcalinas AA de acuerdo con la polaridad que se indica. Cierre la tapa del compartimiento de las pilas.
2. Coloque el receptor interior tan cerca del sensor exterior como sea posible. Esto ayudará a la sincronización entre las dos unidades.
  3. **RECUERDE:** Una vez que esté listo para colocar su sensor exterior y su receptor interior en el lugar, asegúrese de que la distancia no esté fuera del ámbito de transmisión efectivo (100 pies/30,5 m). Algunos materiales de construcción y la ubicación del receptor interior o del sensor exterior pueden afectar la calidad y el ámbito de la transmisión. Para obtener mejores resultados, pruebe con varias ubicaciones.

**NOTA:** No hay piezas que necesiten servicio. Todas las preguntas o solicitudes de servicio deberán ser dirigidas a nuestro departamento de relaciones con el consumidor. (Vea la información de contacto en la sección de Garantía.)


## INGRESE LAS CONDICIONES CLIMÁTICAS EXISTENTES

Para asegurar predicciones meteorológicas precisas bajo distintas situaciones de altitud, primero debe ingresar las condiciones climáticas existentes en forma manual. El icono meteorológico destellará.

1. Seleccione la condición climática existente alternando entre las selecciones con el botón "MIN/MAX". Estas condiciones se mostrarán como: soleado, parcialmente soleado, nublado, lluvioso, tormentoso o helado en la parte superior de la pantalla LCD.
2. Una vez que se selecciona la condición correcta, presione el botón "CLEAR" (borrar) en la parte posterior de la unidad para confirmar y salir.
3. La unidad está ahora calibrada con la presión y condiciones climáticas existentes.

## CÓMO CONFIGURAR LA HORA RELOJ CONTROLADO POR RADIO

La unidad receptora interior comenzará a sincronizar el reloj luego de que se registre el primer canal del termómetro de RF:

1. En el modo normal, mantenga presionado durante 3 segundos el botón " " que se encuentra en la parte posterior del receptor interior, para provocar la sincronización.
2. El icono de la antena aparecerá durante el proceso de sincronización (en el lado derecho de la pantalla de la hora).
3. Si posteriormente el icono desaparece, se debe a que la señal horaria de radio no está disponible en ese momento. Intente colocar el receptor interior en otras ubicaciones. Recuerde colocar la unidad lejos de fuentes de interferencia tales como teléfonos celulares, artefactos, televisores, etc.
4. El icono de la antena  aparecerá en la pantalla si la recepción de la señal horaria de radio es correcta. El reloj controlado por radio tendrá una sincronización diaria, todos los días a la 1:00 am. Si los intentos de recepción anteriores fracasaron, el receptor interior intentará sincronizar cada hora, hasta lograrlo.
5. Cada ciclo de recepción es como mínimo de 2 minutos y como máximo de 10 minutos.

## SELECCIÓN DE LA ZONA HORARIA

Presione el botón "SET" (configurar) en la parte delantera del receptor interior para seleccionar entre las siguientes zonas horarias en los Estados Unidos (la zona se muestra en la esquina superior derecha de la pantalla de la hora).

P – hora estándar del Pacífico (PST)  
C – hora estándar Central (CST)

M – hora estándar de la Montaña (MST)  
E – hora estándar del Este (EST)

## CONFIGURACIÓN MANUAL DEL RELOJ Y EL CALENDARIO

Si la hora atómica no está disponible en su área o para configurar manualmente o anular esta característica:

1. Mantenga presionado el botón "SET" (configurar) durante 3 segundos para ingresar a la configuración del reloj.
2. Primero, seleccione la configuración de 12 ó 24 horas usando los botones " + " y " - " ubicados en la parte posterior del receptor interior. Presione el botón " SET " (configurar) para confirmar su selección.

Ahora seleccionará la configuración del calendario:

3. **Selección del año:** use los botones " + " y " - " ubicados en la parte posterior del receptor interior para ajustar la configuración del año. Presione el botón " SET " (configurar) para confirmar su selección.
4. **Selección del mes y del día:** use los botones " + " y " - " ubicados en la parte posterior del receptor interior para ajustar la configuración del mes y del día. Presione el botón " SET " (configurar) para confirmar su selección.
5. **Selección de la hora y los minutos:** use los botones " + " y " - " ubicados en la parte posterior del receptor interior para ajustar la configuración de la hora y los minutos. Presione el botón " SET " (configurar) para confirmar su selección.
6. **Encendido y apagado de DST (Daylight Savings Time - Horario de verano):** use los botones " + " y " - " para activar o desactivar el DST. Presione el botón " SET " (configurar) para confirmar su selección.

## SELECCIÓN DE FAHRENHEIT / CENTÍGRADOS

Ahora puede seleccionar la lectura de la temperatura en grados Fahrenheit o en grados Centígrados. Mantenga presionado el botón mín./ máx. durante 3 segundos para alternar entre lecturas en grados Fahrenheit o en grados Centígrados.

## FUNCIONES DE LA ALARMA

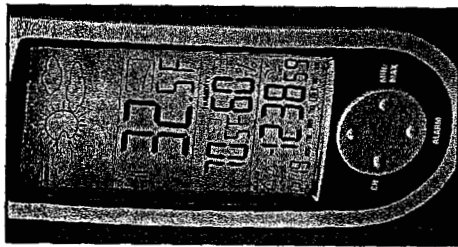
### PARA SELECCIONAR ALARMA 1, ALARMA 2 O ALARMA APAGADA

Presione el botón " +/Δ " en la parte posterior de la unidad para alternar entre las selecciones.

Para la alarma diaria: el ícono "☀" apropiado aparecerá en la esquina superior izquierda de la pantalla de la hora. Sin alarma: no se mostrarán los íconos "☀".

### PARA CONFIGURAR LA HORA DE LA ALARMA

1. Presione el botón "ALARM" (alarma) una vez para seleccionar Alarma 1 o dos veces para seleccionar Alarma 2.
2. Una vez que seleccione la alarma correcta, mantenga el botón "ALARM" (alarma) presionado durante 3 segundos.
3. **Configure la hora de la alarma:** presione " + " y " - " en la parte posterior de la unidad para ingresar los valores de horas/ minutos deseados. Presione "ALARM" (alarma) para confirmar.
4. **Para ver la hora de la alarma:** presione el botón "ALARMA" (alarma). Aparecerá la hora de la alarma durante 5 segundos y luego, de ahí en adelante, retomará la hora del reloj normal.
5. El receptor interior proporcionará ya sea una alarma diaria, que dura 2 minutos, o un modo de alarma de repetición, en el cual la alarma se repetirá cada 5 minutos hasta que sea detenida manualmente (vea la sección SNOOZE/ LIGHT (de repetición/ luz) a continuación).
6. **Para apagar la alarma:** simplemente presione el botón debajo de la pantalla LCD. La alarma quedará ahora apagada por un día.



## SNOOZE/ LIGHT (alarma de repetición/ luz)

1. Presione el botón SNOOZE/ LIGHT (alarma de repetición/ luz) para obtener un tiempo de iluminación de fondo más prolongado.
2. En el modo de alarma de repetición, presione este botón para disparar una alarma de sonidos reiterados.

## CONFIGURACIÓN MÁX. Y MÍN. DE MEMORIA

1. Presione el botón "MIN/ MAX" para ver los valores máximos durante 5 segundos. Presione nuevamente para ver los valores mínimos.
2. Para borrar el registro de memoria, presione el botón "CLEAR" (borrar) en la parte posterior de la unidad mientras se muestran los valores respectivos en la pantalla.

## INDICADOR DE TENDENCIA DE TEMP:

Junto a cada lectura meteorológica en la pantalla LCD del receptor interior, verá uno de 3 íconos:

- indicará lecturas de condiciones en aumento si varía más de un grado en una hora
- indicará condiciones estables
- indicará lecturas de condiciones en descenso si es más de un grado en una hora.

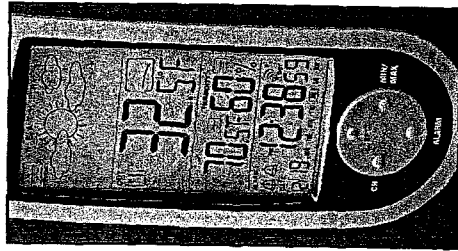
## PREDICCIÓN METEOROLÓGICA CON ALERTA DE TORMENTA

El sensor incorporado leerá la presión atmosférica y calculará las condiciones climáticas de las próximas 12 horas. Estas condiciones se mostrarán como: soleado, parcialmente soleado, nublado, lluvioso, tormentoso o helado en la parte superior de la pantalla LCD.

## CÓMO COMPENSAR LA PRESIÓN DEL AIRE PARA LA PREDICCIÓN METEOROLÓGICA

Después del paso inicial o en caso de que la predicción meteorológica varíe, aun puede recalibrar la unidad.


1. Mantenga presionado el botón "CLEAR" (borrar) durante 3 segundos para ingresar el modo de compensación de la presión. El ícono meteorológico destellará.
2. Seleccione la condición climática existente presionando el botón "MIN/MAX".



3. Presione el botón "CLEAR" (borrar) para confirmar y salir.
4. La unidad está ahora calibrada con la presión y condiciones climáticas existentes.

## SEÑAL DE PILAS DESCARGADAS

La señal de pilas descargadas está disponible tanto para el receptor interior como para el sensor exterior. En el sensor exterior aparecerá

"LO" (baja) y se mostrará un ícono de duración de las pilas "  " en el receptor interior. Cambie las pilas y siga el procedimiento de ajuste tal como se explicó anteriormente en la sección "INTRODUCCIÓN".

## INSTRUCCIONES DE INSTALACIÓN

### Para colocar en una mesa:

Para el receptor interior, doble la base hacia abajo y dentro de la parte trasera de la unidad. Para el sensor exterior, simplemente retire el soporte integrado de la parte inferior.

### Instalación en la pared:

Para el sensor exterior: coloque un tornillo en el lugar donde desea colgarlo e instálelo.

### Para el receptor interior:

Tire la base hacia afuera y doble hacia arriba sobre los pasadores de montaje. (La base calzará en su lugar). Coloque un tornillo en la pared e instale.

## INSTRUCCIONES DE MANTENIMIENTO Y CUIDADO

- Las temperaturas extremas, las descargas o las áreas de vibración inusual deberán evitarse para prevenir daños a las unidades.
- Limpe las unidades usando solamente un paño suave y húmedo para repararlas. No use solventes, abrasivos, detergentes ni ningún otro agente de limpieza fuerte. Después de limpiar las superficies, séquelas con un paño seco.
- No sumerja las unidades en agua ni en ningún otro líquido.
- No someta las unidades a temperaturas extremadamente duras – **NO COLOQUE LAS UNIDADES EN HORNO, CONGELADORES ni HORNO DE MICROONDAS.**

## NOTAS

- Si abre el armazón del sensor exterior o del receptor interior, invalidará su garantía. No intente reparar esta unidad. No hay piezas que necesiten servicio.
- Si tiene alguna dificultad para instalar su sistema de termómetro inalámbrico, sírvase ponerse en contacto con Relaciones con el consumidor.
- Su nuevo termómetro de RF (frecuencia de radio) está construido con tecnología de códigos de seguridad aleatorios. El receptor interior captará el código aleatorio del primer sensor exterior y lo tomará como canal 1. Los canales 2 y 3 se registrarán del mismo modo en caso de usar sensores adicionales. La unidad interior puede monitorear hasta 3 sensores diferentes.
- Una vez que se registra un canal, no aceptará ningún sensor nuevo. Sin embargo, los canales registrados pueden borrarse retirando las pilas del sensor exterior o de la unidad interior.
- Cuando cambie las pilas del sensor exterior: recuerde borrar el canal correspondiente del receptor interior retirando también las pilas o seleccione el canal respectivo del sensor presionando el botón CHANNEL (canal) en el receptor interior. Mantenga presionado el botón CHANNEL (canal) durante 3 segundos para borrar el registro.
- Cuando cambie las pilas del receptor interior, sírvase retirar las pilas de todos los sensores exteriores. Una vez que haya cambiado las pilas del receptor interior, vuelva a instalar las pilas de los sensores, de acuerdo con la secuencia de canales deseada. Esto asegurará que el receptor interior y los sensores exteriores estén sincronizados de manera adecuada.
- Presione el botón Tx en la parte posterior del sensor exterior para verificar la recepción de RF.
- Se recomienda probar el receptor interior y el sensor exterior uno junto al otro para asegurarse de que ambos estén sincronizados de manera adecuada.
- Mantenga el sensor exterior protegido de la luz solar directa y de la lluvia. No lo instale sobre una superficie metálica.

## Acerca del reloj atómico

El National Institute of Standard and Technology (NIST, Instituto Nacional de Estándares y Tecnología) en Fort Collins, Colorado, emite la señal horaria (una señal de radio AM, WWVB a 60kHz) con una precisión de 1 segundo por cada 3.000 años. La señal cubrirá una distancia de hasta 2.000 millas desde la fuente. Al igual que una típica radio AM, su reloj atómico no será capaz de recibir la señal WWVB en lugares rodeados de mucho hormigón o paneles de metal. La recepción de la señal horaria puede verse afectada por teléfonos celulares, televisores, artefactos eléctricos u otras interferencias electrónicas. Para obtener el mejor rendimiento del reloj atómico, sírvase instalar el receptor interior cerca de una ventana y lejos de objetos metálicos grandes. Si la unidad no está funcionando correctamente, cambie la posición de la misma. Puede que en esa ubicación haya alguna interferencia.

## DIAGNÓSTICO Y RESOLUCIÓN DE PROBLEMAS

### Las temperaturas interiores y exteriores no coinciden cuando se colocan uno junto al otro -

Cada sensor está fabricado para tener una tolerancia de +/- 2 grados en la precisión, bajo condiciones normales. Por lo tanto es posible que haya hasta cuatro grados de diferencia en los distintos sensores de temperatura (uno puede tener "+ 2 grados" y el otro "-2 grados"). Además, la curva de calibración es diferente entre las dos unidades debido a la mayor variación de temperatura del sensor exterior. Generalmente se ven los errores en los extremos de las variaciones de temperatura.

### La unidad base no está aceptando las transmisiones remotas -

Puede que las unidades no estén sincronizadas de manera adecuada o que sea necesario cambiar las pilas. Vea la sección "INTRODUCCIÓN" que comienza en la página 2 de las instrucciones, para obtener más detalles. Con las dos unidades cerca una de otra, intente la sincronización. Recuerde colocar siempre el sensor exterior dentro del ámbito de transmisión efectivo y lejos de superficies metálicas grandes.

### ¿Cuál es el tipo de pila recomendado?

Su unidad viene con 4 pilas alcalinas AA (se requieren 2 pilas AA para cada unidad). Recomendamos que únicamente utilice pilas alcalinas cuando las cambie.

### ¿Dónde puedo instalar el sensor exterior?

Para obtener lecturas precisas y para extender la vida útil de su sensor, sugerimos que lo instale donde quede a salvo de la luz solar directa y de la lluvia. La niebla y la bruma no afectarán al sensor, pero puede que sí lo afecten grandes volúmenes de lluvia. Para protegerlo de esto, recomendamos que lo instale bajo el alero de su casa, su cochera o cualquier otro lugar adecuado que lo mantenga al reparo del sol directo y la lluvia.

### La lectura de la temperatura exterior muestra " - - " .

Generalmente, ésta es una indicación de que el selector de canales (ubicado en la esquina superior izquierda del receptor interior) está configurado incorrectamente para recibir la señal del sensor exterior. Si tiene únicamente un sensor exterior, asegúrese de que el selector de canales esté configurado en "1". Para cambiar el canal, presione el botón "channel" (canal) ubicado en la parte delantera del receptor interior.

Es posible que el receptor interior esté también "recorriendo"; es decir, buscando lecturas de sensor de más de un sensor exterior. Este receptor interior admite hasta tres sensores exteriores (se incluye uno solamente). Si está buscando más de un sensor exterior, aparecerá un ícono "C" debajo del designador de canales. Nuevamente, para seleccionar una lectura de sólo un sensor exterior, presione el botón "channel" (canal) para eliminar el ícono de recorrida y asegúrese de que el canal seleccionado muestre ahora "1".

### La unidad está "bloqueada" - No puedo realizar las funciones de la unidad -

Cuando sucede esto, es posible que la unidad se encuentre en el modo de "sincronización forzada". Si el ícono de la antena de radio muestra "ondas" que se proyectan desde éste, la unidad está intentando sincronizarse con la frecuencia del reloj atómico. Para anular esto, simplemente presione el botón " - " en la parte trasera de la unidad. Ahora podrá realizar todas las demás funciones.

### La predicción meteorológica no coincide con las actuales condiciones exteriores -

Los pronósticos proyectan las condiciones meteorológicas a desarrollarse entre las próximas 8 y 12 horas. No reflejan las condiciones actuales.

Para asegurar pronósticos meteorológicos precisos, es posible que sea necesario ingresar manualmente las condiciones existentes (vea la página 2 "ingrese las condiciones climáticas existentes")

## Nombre y funciones de los botones:

### Funciones Si el botón se mantiene presionado

**SET** (configurar) Seleccione PST, MST, CST, EST Ingresar la configuración del reloj y del calendario

+/- Alarma, 1 paso adelante, Avance rápido  
Selección encendido y apagado de la(s) alarma(s)

-/- 1 paso hacia atrás Retroceso rápido  
Búsqueda de hora atómica

**ALARM** (alarma) Muestra la hora de la alarma durante 5 segundos en el modo normal

**MIN/ MAX** Lee registro mínimo/ máximo durante 5 seg.

**CHANNEL** (canal) Seleccione los canales 1, 2, 3, Borra el canal actual  
avance y retroceso automáticos

**SNOOZE** Iluminación de fondo durante  
(de repetición)/ 5 segundos, dispara la alarma  
**BACKLIGHT** (luz) de repetición, detiene la alarma

**CLEAR** (borrar) Borra la memoria de mín./ máx. Selección las  
condiciones climáticas

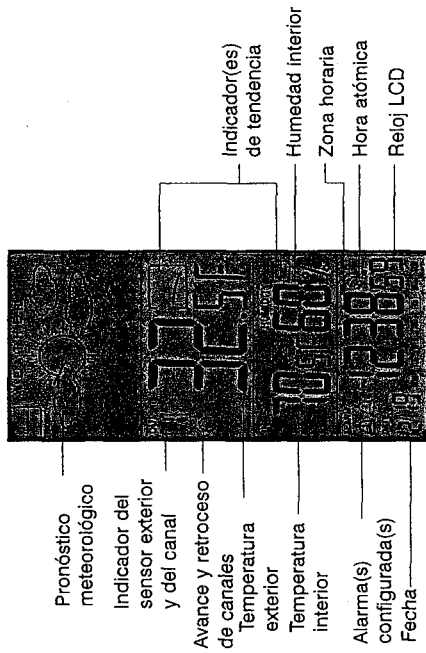
## DESCARGO DE RESPONSABILIDAD de la FCC

Este artefacto cumple con la sección 15 de las reglas de la FCC (Comisión Federal de Comunicaciones). El funcionamiento está sujeto a las siguientes dos condiciones:

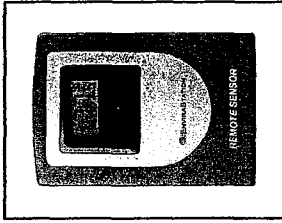
1. Este artefacto no puede causar interferencias nocivas; y
2. Este artefacto debe aceptar cualquier interferencia que reciba, incluyendo la interferencia que pueda causar un funcionamiento no deseado.

**FCC ID:** L5C0761TX-1 (Transmisor) Frec. 434 MHz

## RECEPTOR INTERIOR



## SENSOR EXTERIOR



## ESPECIFICACIONES

Ámbito de medición de temperatura/ humedad:  
Temperatura interior: de +32° F a +122° F (de 0° C a +50° C)  
Humedad interior: de 20% a 99% de humedad relativa (RH)  
Sensor exterior: de -4° F a +140° F (de -20° C a +60° C)  
Canal: máximo 3 sensores exteriores  
Alerta de temperatura: Temp. interior/ Humedad y Canal 1  
Transmisión: máximo 100 pies (30 m) de área abierta, RF434 MHz  
Resolución: 0,1 grado para temperatura  
Reloj: WWVB controlado por radio:  
Fuente de energía: 2 pilas alcalinas AA - receptor interior  
2 pilas alcalinas AA - sensor exterior





**Dirección postal:**

**Envirastation  
Consumer Relations  
Service Center Dept. 168  
3000 Pontiac Trail  
Commerce Township, MI  
48390**

**Correo electrónico:  
cservice@envirastation.com**

**Toll Free  
1-800-466-3342**

**GARANTÍA LIMITADA POR DOS AÑOS**

*(Válida únicamente en los EE.UU.)*

HoMedics, garantiza este producto contra defectos en material y mano de obra durante el período de dos años a partir de la fecha de compra original, con las excepciones que se detallan a continuación.

*Esta garantía de producto de HoMedics no cubre daños causados por un uso inadecuado, abuso, accidente, la conexión de accesorios no autorizados, la alteración del producto o cualquier otra condición sin importar cual sea que se encuentre fuera de nuestro control. Esta garantía es válida únicamente si el producto es comprado y operado en los EE.UU. Un producto que requiera modificación o adaptación para habilitar su funcionamiento en cualquier país que no sea aquel para el que fue diseñado, fabricado, aprobado y/o autorizado, o la reparación de productos dañados por estas modificaciones no está cubierta bajo esta garantía. HoMedics no será responsable de ningún tipo de daños incidentales, consecuentes o especiales. Todas las garantías implícitas, incluyendo entre otras aquellas garantías implícitas de idoneidad y comerciabilidad, están limitadas a la duración total de dos años a partir de la fecha de compra original.*

Para obtener un servicio cubierto por la garantía para su producto HoMedics, puede entregar la unidad personalmente o enviarla por correo junto con su recibo de compra fechado (como prueba de la compra), el franqueo pagado, junto con un cheque o una orden de pago por el monto de \$5,00, pagadero a HoMedics, para cubrir los gastos de manipulación.

Una vez recibido, repararemos o reemplazaremos su producto, según lo que sea apropiado y se lo enviaremos con el franqueo pagado. Si es apropiado reemplazar su producto, lo reemplazaremos por el mismo producto o un producto similar de acuerdo con nuestras opciones. La garantía es válida únicamente a través de nuestro Centro de servicio. El servicio realizado a este producto por cualquier otro diferente al Centro de servicio HoMedics anulará la garantía.

Esta garantía le proporciona derechos legales específicos. Es posible que usted tenga derechos adicionales que pueden variar de un estado a otro. Debido a las regulaciones de ciertos estados, es posible que algunas de las limitaciones y exclusiones no se apliquen en su caso.

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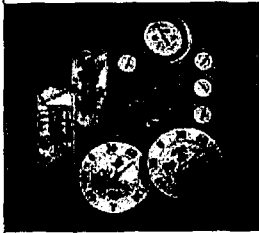
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## **EXHIBIT 10**

**taylor**  
advantage**TAYLOR.**

in the news

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## 2004 International Home & Housewares Show®

### Taylor® Unveils New Products and New Image

March 15, 2004

By Lindsay J. Schroeder, Tunheim Partners

Oak Brook, IL-Taylor Precision Products® unveiled precisely what consumers need at the 2004 International Home & Housewares Show. Taylor introduced the new TruTemp® kitchen thermometer line and a new line of indoor/outdoor digital thermometers.

In addition to the new thermometer lines, Taylor also debuted new styles of its body fat analyzers and bath scales, all within the confines of their redesigned booth space.

#### The New Taylor

"Taylor will debut a new look and style this year at the International Home & Housewares Show," said Liz Wentland, Director of Marketing for Taylor. "The focus of 2004 is on a new energy and passion for design and fashion-forward products, while staying true to what our consumers want most - precision, quality and value."

Taylor also debuted its new line of indoor/outdoor digital thermometers. The new line provides both consumers and professionals access to the latest technological advances in accurate, dependable weather monitoring - at an affordable price. With varying technologies and styles, the extensive line offers people the opportunity to determine the very best thermometer for their weather monitoring and decor needs.

Consumers also will be able to stylishly monitor fitness goals with Taylor's redesigned styles of body fat analyzers and bath scales, which are sleek, sophisticated and are equipped with the latest technologies. With new features such as family memory settings, goal tracking, athlete mode, body water percent, and large readouts, Taylor offers precision and accuracy for all lifestyle needs.

## 2004 International Home & Housewares Show®

### Taylor Introduces a Line of High Quality, Value Priced Kitchen Thermometers

## **TruTemp® trumps other thermometers in design, function and price**

**March 15, 2004**

**By Lindsay J. Schroeder, Tunheim Partners**

Oak Brook, IL-Taylor today introduced TruTemp®, a full line of kitchen and food thermometers that meet the Taylor standard for accuracy and dependability, and are priced with the value conscious consumer in mind. Offering the latest features in thermometer design for simplicity and convenience, each TruTemp® thermometer is affordably priced and backed by a name that is synonymous with precision.

"A trustworthy and easy-to-read thermometer isn't a luxury, it's a must," said Liz Wentland, Director of Marketing for Taylor. "Whether the need is to read the temperature inside a refrigerator, freezer or oven - or gauge temperature inside the food itself - TruTemp offers a thermometer that meets it."

### **TruTemp® Product Line**

**Instant Read Dial Thermometers (Models 3512, 3515 and 3517)**- Read food temperature quickly and accurately with this line of instant read dial thermometers. All styles can be recalibrated and each comes with a durable 5" stainless steel stem. The magnified shatterproof lens makes them safe and easy-to-read while the pocket case with clip makes them convenient to use and store.

**Meat Dial Thermometer (Model 3504)** - This thermometer has a large, easy-to-read 2" dial that features a roasting scale with USDA guidelines and adjustable temperature indicator for quick reference. Accurate readings from 130°F to 190°F with a 4 1/2" stainless steel stem ensures this thermometer can be used for all varieties of meat.

**Meat Thermometer (Model 3508)** - Features like the armored tip and non-toxic liquid-filled tube make this thermometer reliable and safe to use. Accurate from 140°F to 190°F, it features a preparation scale for various meats and includes a meat skewer to make temperature reading convenient.

**Oven Dial Thermometer (Model 3506)**- Hang or stand it directly on an oven rack to accurately read temperature from 100°F to 600°F. The stainless steel design makes it durable while the large 2 1/2" dial makes it easy to read.

**Freezer-Refrigerator Dial Thermometer (Model 3507)** - This durable stainless steel thermometer can conveniently hang or stand on a refrigerator or freezer shelf. The 2 1/2" dial accurately reads temperatures from -20°F to 80°F and includes safe temperature zone indicators to ensure food is being stored at a safe temperature.

**Freezer-Refrigerator Thermometer (Model 3509)** - Featuring a non-toxic liquid-filled tube, this thermometer accurately reads

temperatures from -20°F to 80°F and includes safe temperature zone indicators to ensure food is stored safely. Compact to conserve space, its design also includes a rack clip and suction cup.

**Candy-Jelly-Deep Fry Dial Thermometer (Model 3505)** – The adjustable pan/kettle clip and 6" stainless steel stem enables free hands to act fast when necessary. This thermometer is accurate from 100°F to 380°F and features an adjustable temperature indicator for quick reference.

**Oven Dial Thermometer (Model 3506)** - Hang or stand it directly on an oven rack to accurately read temperature from 100°F to 600°F. The stainless steel design makes it durable while the large 2 1/2" dial makes it easy to read.

**Candy-Jelly-Deep Fry Thermometer (Model 3510)** – The tempered glass, non-toxic liquid-filled tube with insulated pan clip, safety cap and 8" length ensure safe hands-off use. It provides accurate temperature readings from 100°F to 400°F and a convenient cooking chart helps ensure accurate preparation.

**Digital Instant Read Thermometer (Model 3516)** – The easy-to-read .3" LCD display provides fast and accurate one-second temperature updates. The small design and protective pocket case with clip keeps this handy little thermometer nearby for quick use.

**Waterproof Digital Thermometer (Model 3519)** – This compact pen-style thermometer provides professional quality, accuracy and waterproof design for dependable use in the kitchen or lab environments. It features fast response time and one second display updates. Large, easy-to-read LCD display, a hold feature and wide temperature range add significant convenience.

**Digital Fork (Model 3520)** – Durable steel tipped fork tines, easy-to-read .4" LCD display and a quick reference meat temperature chart on handle make this a must have for every aspiring grill-master.

## **The Mercury Rises with Taylor's® New Line of Indoor/Outdoor Digital Thermometers**

**Sleek designs, larger readouts and advanced features satisfy both the style and budget minded consumer**

**March 15, 2004**

**By Lindsay J. Schroeder, Tunheim Partners**

Oak Brook, IL-Continuing its tradition as the market leader, Taylor introduces a new line of sleek, consumer-friendly, digital indoor/outdoor thermometers. Equipped with an array of new features, the Taylor indoor/outdoor digital thermometers provide consumers and professionals access to the latest technological advances in accurate, dependable weather monitoring—at an affordable price. Each Taylor digital indoor/outdoor thermometer

also offers a new slim, contoured profile with updated features that are sure to please even the most avid weather watcher.

"The Taylor focus continues to be on accurate and dependable products, but we realize that people want products that are fashionable too," said Liz Wentland, marketing director for Taylor. "We've designed our new line of digital indoor/outdoor thermometers to give the consumer precisely what they need—a dependable thermometer that looks great in any setting at an affordable price."

Whether observing the temperature and humidity for home comfort, determining how to dress the kids for school, or keeping an eye on respiratory health problems, the accurate, easy-to-use thermometers are perfect for all types of individual consumer needs. For professionals, the Taylor thermometers can be used in public places such as fitness centers, restaurants and manufacturing plants.

#### **Taylor Indoor/Outdoor Digital Thermometer Product Line**

**Indoor/Outdoor Thermometer (Model 1450)** - View indoor and outdoor temperatures simultaneously with this Taylor thermometer. Primary features include a corded outdoor temperature sensor and minimum/maximum temperature memory recall. The slim, contoured profile of this thermometer and value price makes it an ideal buy for the consumer who is both style and budget-conscious.

**Indoor/Outdoor Thermometer with Indoor Humidity (Model 1452)** - This Taylor thermometer allows users to observe the indoor humidity and indoor temperature on an easy-to-read display screen. For outside temperature observations, a toggle button allows users to view conditions as observed by the corded outside temperature sensor.

**Wireless Indoor/Outdoor Thermometer (Model 1453)** - Convenience is key with the Taylor Wireless Indoor/Outdoor Thermometer. Users have the freedom to place the thermometer anywhere in the home while still receiving accurate information through an outdoor wireless transmitter with LCD display. A minimum/maximum memory recall feature, low battery indicator and three channel sensor capacity brings added ease-of-use to this model.

**Indoor/Outdoor Thermometer with Clock (Model 1454)** - Users of this Taylor thermometer have the ability and convenience to read the current time with the push of a button. The dual display screen also shows indoor and outdoor temperatures simultaneously. A corded outside temperature sensor, minimum/maximum memory recall and slim, contoured profile makes this thermometer an attractive, yet functional, product.

**Indoor/Outdoor Thermometer with Indoor Humidity (Model 1455)** - An extra large readout display shows the indoor temperature and humidity simultaneously on this Taylor thermometer. A button toggles to allow users to view the outside temperature as indicated by the corded outside temperature sensor. Additional features include a minimum/maximum memory

recall and redesigned profile.

**Wireless Indoor/Outdoor Thermometer (Model 1456)** - This thermometer features the added convenience of a wireless thermometer with the accuracy and functionality of model 1455. A dual display shows both the indoor temperature and humidity simultaneously. The outside temperature is displayed with the push of a button. Three channel sensor capacity, minimum/maximum memory recall and a sleek look add a new dimension to this Taylor thermometer.

**Wireless Outdoor Sensor (Model 1457)** - This accessory works with 1453, 1456 and 1461 and adds an LCD transmission indication that allows for 100 feet of open area transmission, while the tabletop or wall mount with included bracket adds extra convenience. With a choice of Celsius or Fahrenheit readings, this accessory is equipped with a detachable waterproof sensor to monitor pool, spa, and hot tub temperatures.

**Wireless Indoor/Outdoor Thermometer with Humidity (Model 1458)** - The primary features of this Taylor thermometer include dual displays showing both indoor and outdoor temperature and humidity, a temperature and humidity trend indicator (up, steady and down), and an outdoor wireless transmitter with LCD display. Three channel sensor capacity, memory recall and low battery indicator are also included with this thermometer.

**Wireless Outdoor Sensor with Humidity (Model 1459)** - For use with model 1458, this Taylor thermometer offers a wireless outdoor sensor with humidity. The weatherproof design with tabletop or wall mount with included bracket, a choice of Celsius or Fahrenheit readings and an LCD transmission indicator with 100 feet of open area transmission help complete model 1458.

**Wireless Weather Station/Forecaster (Model 1461)** - Turn to this thermometer for the most in-depth, complete read on weather conditions. A four-line digital display shows forecast icons and trend indicators based on barometric pressure, outdoor temperature, indoor temperature and humidity. A clock, outdoor wireless transmitter with LCD display, three channel sensor capacity and memory recall provide additional advanced weather monitoring features to this weather station.

## **Taylor® Kitchen and Food Thermometers**

**Background:** Taylor is a recognized market leader for its precision thermometers and measurement instruments. Since its inception in 1851, Taylor's products have become synonymous with quality and serve as the benchmark for excellence within the industry. From thermometers to bath scales, Taylor has the most dependable line of precision measurement products to suit all needs and budgets.

### **Taylor Kitchen Thermometers and Food Scales**

#### **TruTemp® Thermometers**

TruTemp, a new line within the Taylor family of products, offers

kitchen and food thermometers that meet the Taylor standard for accuracy and dependability and are built with the value conscious consumer in mind. Offering the latest features in thermometer design for simplicity and convenience, TruTemp thermometers are as easy to use as they are dependable and durable. The TruTemp thermometer line offers the following thermometers:

- Meat Dial Thermometer (Model 3504)
- Meat Thermometer (Model 3508)
- Candy-Deep Fry Dial Thermometer (Model 3505)
- Candy-Deep Fry Thermometer (Model 3510)
- Oven Dial Thermometer (Model 3506)
- Freezer-Refrigerator Dial Thermometer (Model 3507)
- Freezer-Refrigerator Thermometer (Model 3509)
- Instant Read 1" Dial Thermometer (Models 3512 and 3517)
- Instant Read Dial Thermometer (Model 3515)
- Digital Instant Read Thermometer (Model 3516)
- Waterproof Digital Thermometer (Model 3519)
- Digital Cooking Thermometer (Model 3518)
- Digital Fork (Model 3520)

#### **Taylor® Classic Thermometers**

Demanding work styles, schedules and active lifestyles make timesaving kitchen instruments more valuable than ever. Taylor Classic thermometers feature distinctive graphics, making them easy to use, and they're constructed with heavy duty stainless steel, tempered glass and shatterproof plastic materials. The Taylor Classic line offers the following thermometers:

- Meat Dial Thermometer (Model 5939)
- Oven Thermometer (Model 5932)
- Instant Read Pocket Thermometer (Model 5989)
- Freezer-Refrigerator Dial Thermometer (Model 5924)
- Freezer-Refrigerator Tube Thermometer (Models 5977 and 5925)
- Candy-Deep Fry Dial Thermometer (Model 5911)
- Candy-Deep Fry Tube Thermometer (Model 5978)
- Candy-Deep Fry Stainless Steel Thermometer (Model 5983)
- Roast/Yeast Thermometer (Model 5937)
- Digital Thermometer/Timer (Model 1470)
- Cappuccino Frothing Thermometer (Model 1470)
- Digital Instant Read Thermometer (Models 9840 and 9841)

#### **Taylor® Five-Star Commercial Thermometers**

Precise temperature control, easy readability and product reliability are critical to the serious chef. That's why Taylor has developed a line of commercial kitchen thermometers. The Taylor Five-Star Commercial line sets the standard for performance in engineering, legibility, accuracy and response. All of the thermometers in Taylor's Five-Star Commercial line are made with heavy duty stainless steel, large dial faces, bold color-zone graphics and deluxe convenience features. Models include:



- Meat Thermometer (Model 5990)
- Oven Thermometer (Model 5995)
- Oven Guide Thermometer (Model 5921)
- Freezer-Refrigerator Thermometer (Model 5996)
- Waterproof Digital Thermometer (Model 9847)
- Wireless Thermometer and Timer (Model 1474)
- Digital Fork (Model 1482)

The Taylor Five-Star Commercial line also offers antimicrobial thermometers which come with an exclusive Safe-T-Guard case that inhibits growth of bacteria and fungus. These exceptional food thermometers follow the specifications for accuracy, easy readability and precise calibration.

- Antimicrobial Instant Read 1" Dial Thermometer (Model 3621)
- Antimicrobial Instant Read 1 3/4" Dial Thermometer (Model 8018)
- Antimicrobial Digital Instant Read Thermometer (Model 9842)

### **Taylor® Food Scales**

The Taylor Food Scales combine precision performance with ease of use—making preparation of favorite foods easy and accurate. From one to 22-pound capacity food scales, Taylor's complete line of food scales are perfect for the novice cook and the experienced chef. Taylor's food scales are easy to read, dishwasher safe and scratch resistant. Models include:

- Taylor 1 lb. Mechanical Food Scale (Model 3720)
- Taylor 6.5 lb. Mechanical Food Scale (Model 3850T)
- Taylor 11.5 lb. Mechanical Food Scale (Model 3870)
- Taylor 22 lb. Mechanical Food Scale (Model 3880)
- Taylor 5 lb. Add 'n' Weigh Food Scale (Model 3700)
- Taylor 11 lb. Add 'n' Weigh Food Scale (Model 3701)
- Taylor 5 lb. Digital Food Scale (Model 3800)
- Taylor 11 lb. Digital Food Scale (Model 3800)

### **Taylor® Indoor/Outdoor Thermometers and Rain Gauges**

**Background:** The full line of Taylor Indoor/Outdoor Thermometers makes monitoring Mother Nature dependable and simple for anyone from the casually curious to the gardening guru. Perfectly blending function and design, these Taylor thermometers deliver fashionable decoration for the home or garden with features to meet any individual need – all built at a level of durability, accuracy and precision that's been synonymous with the Taylor name since 1851.

### **Taylor 6" Dial Thermometers**

The Taylor 6" dial thermometers provide accurate and dependable readings of outdoor conditions so users can plan for outdoor

activities. These dependable and easy-to-read thermometers come in four different varieties, including Hummingbirds (5300N), Big Read Black on White (5310), Big Read Black on White with TempGraph (5353) and Bluebirds (5358). Each design features a large easy-to-read face, is easy to install (mounting bracket included) and is weather resistant and rustproof.

### **Large Dial Outdoor Thermometers**

The Large Dial Outdoor Thermometers are built for weather resistant durability and feature metal construction - including the Taylor exclusive metal bezel. Both models (497 and 49562) accurately display Fahrenheit and Celsius temperature readings. The large graphics and bold red indicator make them easy to read, even if read from indoor comfort. The Patio Clock (166) is built with the same weather resistant durability and features large easy-to-read numbers and bold red indicator.

### **Terra Cotta Thermometers**

The Terra Cotta Thermometers - Sun (4905) and Thermometer and Clock (4910) - provide a beautiful addition to a house or garden and feature accurate, durable and weatherproof construction.

### **Poly Resin Thermometers**

With many versions of Taylor Poly Resin thermometers available, people are sure to find one that suits their taste and budget. Each thermometer is weather resistant, has easy-to-read temperatures and a colorful design.

### **Window/Wall Thermometers**

The Taylor line of Window/Wall Thermometers provide superior quality and durability. The twelve different styles (5535, 5132, 5316, 5135, 5101, 5502, 5152A5, 5301, 5140, 5326, 5377 and 5387) provide the functions, features and styles to meet each individual need.

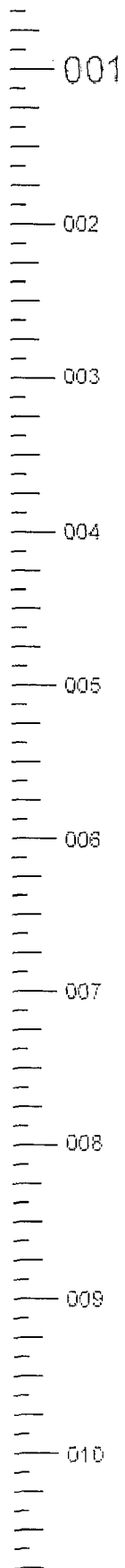
### **13 ½" Dial Thermometers**

All 13 ½" Dial Thermometers have a molded dial design with stylish, contemporary silk screened graphics. Thermometers are accurate from -60°F to 120°F, shatterproof and feature an attractive glossy-black bezel that provides weather resistant durability.

### **Round Weather Station and Tube Thermometers**

Taylor Round Weather Stations and Tube Thermometers provide superior outdoor temperature readings. Each model (5341, 5342, 6420, 6421, 6422, 6423 and 6426) features a metal housing, weather resistant finish and contemporary designs.

### **Taylor Suction Cup Thermometers**



Choose from four different versions of the suction cup thermometer — 4" Gold Finch (4751), 4" Hummingbird (4750), 8" Flowers (5209-4N) or 8" Songbirds (5209-8). The high quality suction cups provide quick and secure window mounting from inside or out. Each thermometer features bright, colorful graphics with an easy-to-read face.

### **Rain Gauges**

Taylor also has developed the most dependable and accurate rain gauges for the backyard weatherperson in us all. All of Taylor's rain gauges are weather resistant and easy to read. Models range from the most basic to more decorative models. Models include:

- ClearVu® Rain Gauge (Model 2700)
- ClearVu® Rain/Sprinkler Gauge (Model 2700)
- Glass Rain Gauge (Model 2710)
- 2 in 1 Rain Gauge (Model 2715)
- Jumbo Rain Gauge/Thermometer (Model 2704)
- Hummingbird Rain Gauge (Model 2713)
- Frog Rain Gauge (Model 2713)
- Butterfly Rain Gauge (Model 2713)

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## 1458 Wireless Weather System

from Taylor Weather Instruments

Item Number: WC-T1458

Model Number: 1458

Main unit 5" x 3.25" x 1"

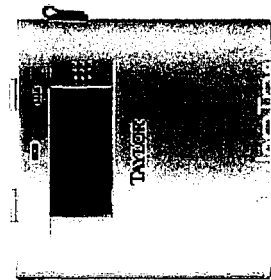
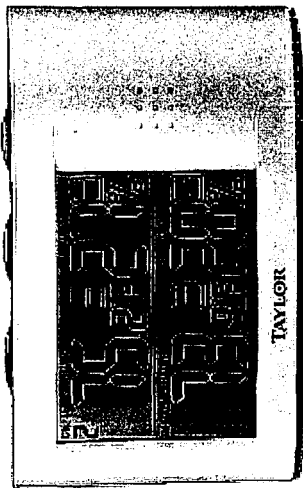
Dimensions: Sensor 3" x 3" x 1"

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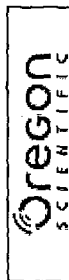
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First Alert Weather  
Instruments

The Taylor model 1458 Wireless Weather System is an affordable and stylish addition to the home or office!

Featuring an extra-large dual LCD display with easy-to-read one-inch tall digital numbers, this product from Taylor Instruments tracks indoor/outdoor temperature and humidity in up to four different locations (base unit plus three remotes). The Wireless Weather System comes with one remote sensor included. Additional model 1459 sensors may be added to it for monitoring other outside locations, sheds or garages, or even inside in the baby's room!

A removable 11-foot sensor probe cable allows for convenient monitoring of the temperature of swimming pools, ponds, or other liquids.

The system also monitors temperature and humidity trends and electronically stores daily high and low temperatures.

This precision measurement instrument is accurate and reliable for many different applications!

#### Benefits:

- Affordable system that monitors temperature and humidity levels.
- Expandable system monitors up to four different locations.
- Instruction manual included.

#### Features:

- Includes one remote sensor and stylish base unit.
- System measures both indoor and outdoor temperatures and humidity.
- LCD console display includes easy-to-read one-inch high numbers.
- Remote sensor has up to 100-foot transmission range (line-of-sight).
- Includes removable 11-foot long attached cable for convenient monitoring of liquids and to extend temperature range.
- Displays temperature and humidity trends as upwards, downwards or steady.
- Indoor/outdoor humidity range 20 to 99 percent.
- Indoor temperature range from 23 to 122 degrees F.
- Outdoor temperature range from -4 to 140 degrees F. Outdoor temperature range extendable to -40 degrees F by using 2 AA Lithium batteries.
- Additional model 1459 remote sensors optional.
- Electronically stores daily high and low temperature and humidity.
- Base and remote require a total of 4 AA alkaline batteries (not included).
- One year limited warranty from manufacturer.

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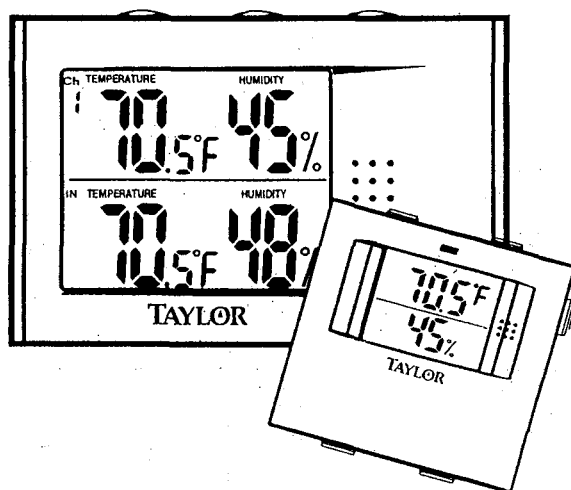
**TAYLOR.**

**1458**

## Digital Wireless Weather System

Thermometer & Hygrometer  
with Remote Sensor

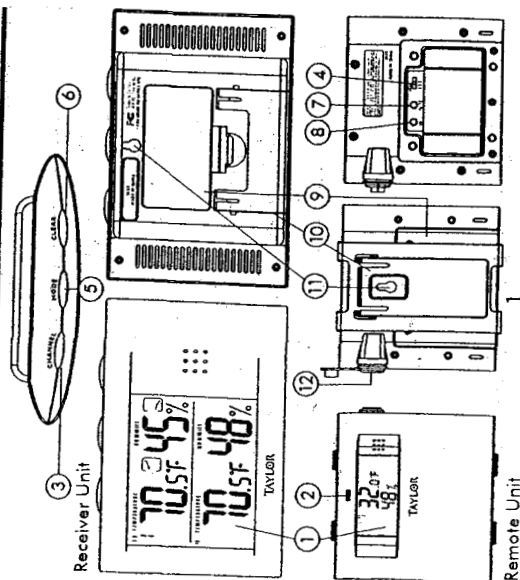
**More accurate than traditional thermometers**



**Instruction Manual**

Congratulations on your purchase of the Taylor® Digital Wireless Weather System: Thermometer & Hygrometer with Remote Sensor. This state-of-the-art measurement instrument is engineered and designed to meet the highest quality standards...to assure you uncompromising accuracy and consistently dependable, convenient performance. In order to optimize its function, please read this instruction manual carefully before use...and keep it handy for future reference.

## Description of Parts



## Main Features & How to Access Functions

### 1 - LCD Display

Receiver unit displays the temperature and humidity readings of up to three remote sensors (with additional remote unit purchases - see How To Set Up Your Wireless Thermometer section of this manual) and indoor temperature and humidity at its location. Temp Trend / Humidity Trend graphs chart upward, downward and steady conditions. Each remote unit displays the indoor or outdoor temperature and humidity at its individual location.

### 2 - LED Indicator (Remote Unit)

Flashes when remote sensor transmits a reading.

### 3 - Channel Button (Receiver Unit)

Press to select channel 1, 2, or 3 to display remote temperature. Hold 3 seconds to delete current channel. Dashes will replace channel setting. To set a new channel, slide channel switch on the remote unit. Press TM button and the selected channel will appear on the receiver unit display.

### 4 - Channel Switch (Remote Unit)

Slide to designate the remote sensor channel 1, 2, or 3.

### 5 - Mode Button Dual Function (Receiver Unit)

- 1) Max/Min Memory: Press and release to view daily high temperature for 5 seconds. Press and release again to view daily low temperature for 5 seconds.
- 2) F/C Selection: Hold 3 seconds to set temperature measurement to F° or C° scale.

## Main Features (continued)

### 6 - Clear Button (Receiver Unit)

To delete Max/Min Memory record, press while the respective values are displayed on the readout.

### 7 - F°/C° Button (Remote Unit)

Press to select F° or C° temperature scale.

**Note:** Temperature scale selected on receiver unit will control what is displayed.

### 8 - TM Button (Remote Unit)

Press to send a transmission signal to receiver unit.

### 9 - Battery Compartment

The receiver unit and the remote unit each require 2AA Alkaline batteries (see Battery Installation in How To Set Up Your Wireless Thermometer section of this manual).

### 10 - Table Stand

Allows stable placement of units on a flat surface. To access on both the receiver and remote units, pull bottom of stand out from housing.

### 11 - Wall Mount

The receiver features a recessed key hole and the remote features a detachable holder with a key hole slot to secure each unit to a wall.

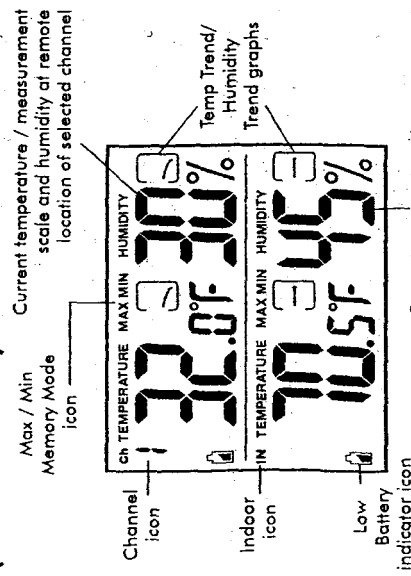
### 12 - Cable Jack (Remote Unit)

For use with optional, additional remote sensor unit(s) only sold separately (Model 1459). Plug sensor probe of 11-foot cable into jack to measure temperature in liquids (aquarium, swimming pool, hot tub, etc.)

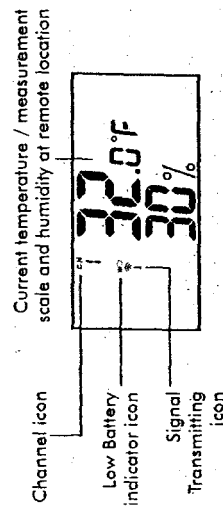


## Display Information

### (Receiver Unit)



### (Remote Unit)



4

## How To Set Up Your Wireless Thermometer

- Place the receiver unit as close as possible to the remote unit. This will ensure easy synchronization between the transmission and reception of signals as you set up your wireless thermometer. After set up is completed, position the receiver unit and remote unit within effective transmission range which, in usual circumstances, is 100 feet.

**Note:** The effective range is vastly affected by the building materials and where the receiver and remote units are positioned. Try various set ups for the best results. Shorten the distance between receiver and remote units when necessary.

**Important:** Though the remote unit is weather proof, it should be placed away from direct sunlight, rain, snow and should never be submerged in water. Also please note that below 32°F / 0°C the LCD readout on the remote unit may begin to fail display. When this happens the remote will still transmit correct temperature readings to the receiver unit but can not be viewed at the remote location. When the temperature rises above 32°F / 0°C the display will begin to function normally again.

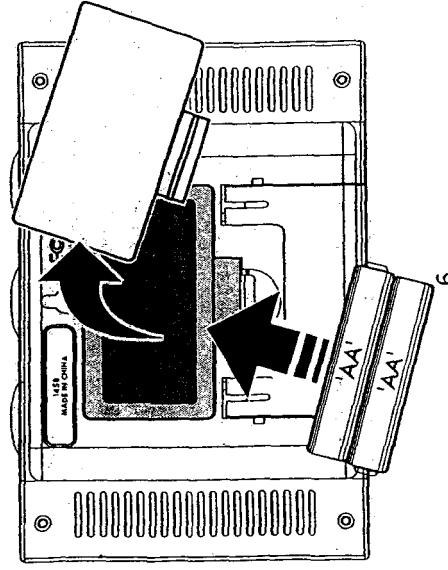
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## Battery Installation

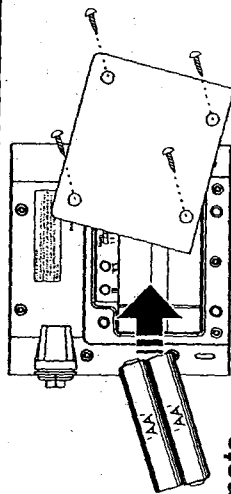
**For the initial installation, insert the batteries into the receiver unit first, then the remote unit:**

### Receiver

- Lift off the battery compartment cover, located on the back of the unit.
- Insert 2 AA alkaline batteries as indicated by the polarity symbols marked inside the battery compartment.
- Replace the battery compartment cover.



### Battery Installation (continued)



#### Remote

1. Lift off the bracket stand, located on the back of the unit, to access the battery compartment cover.
2. Remove the 4 screws that secure the battery compartment cover and then remove the cover.
3. Select the Channel setting by sliding the CH switch to Channel 1 to register the first sensor, included in this package.

**Note:** Maximum 3 remote sensor units can be registered. Should you purchase one or two additional remote units (Model 1459, sold separately) to expand your thermometer monitoring capabilities to multiple locations, slide the CH switch to Channel 2 to register the second sensor and select Channel 3 to register the third sensor.

4. Insert 2 AA alkaline batteries as indicated by the polarity symbols marked inside the battery compartment.

### Battery Installation (continued)

**Important:** When the temperature falls below freezing point, the batteries of outdoor units may freeze, lowering their voltage supply and effective range. Use Lithium batteries to insure operation below 10°F (-12° C).

5. Press the F/C button to select the desired temperature measurement scale.
6. The remote will automatically send a transmission to the receiver. The red LED Indicator light will flash when a signal is transmitted. Remote unit temperature updates will then be transmitted at 2 minute 30 second intervals.

**Note:** If dashes are still displayed on the receiver unit, press the TM button to send a transmission.

7. Replace the battery compartment cover, replace and tighten screws and reattach the bracket stand.

#### How to Read Temperatures, Humidity & Trends

- The top half of the receiver display will show the temperature and humidity of one remote unit (set to Channel 1). If more than one remote unit is set, simply press the Channel button on the receiver unit until it correlates to the designated channel of the second /third remote location(s).

#### How to Read Temperatures, Humidity & Trends (continued)

- The bottom half of the receiver display will show indoor temperature and humidity at its location.
- The Temp Trend/Humidity Trend graphs on top & bottom of the receiver unit display show an Up symbol when the temperature increases more than 1 degree (humidity 3%), a Steady symbol when temperature change is less than 1 degree (humidity less than 3%), or a Down symbol when the temperature decreases more than 1 degree (humidity 3%) for 60 minutes in the remote and receiver locations.
- To view high/low daily temperatures (Max/Min Memory) press Mode button on the receiver unit (see Features & How to Access Functions section of this manual).

#### Battery Replacement

- When the batteries on the receiver unit or the remote unit are low, the Low Battery Indicator icon will light up on the relevant displays. Follow the steps for Battery Installation in the How To Set Up Your Wireless Thermometer section of this manual.

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#### Battery Replacement (continued)

**Note:** When replacing batteries in the remote unit, remember to clear the corresponding channel of the receiver unit by 1) pushing the channel button to select the respective channel; 2) holding the channel button for 3 seconds to clear the registration.

#### Trouble-Shooting

##### **Disconnected Signals**

- If the receiver unit does not receive a transmission from a remote unit channel for 1 hour, the display will show dashes. To correct this problem:

1. Go to the remote location of that channel to check that the unit is properly positioned, within the appropriate transmission range. If new batteries are faulty on the initial installation, install fresh batteries. If you did not notice the Low Battery icon warning and the product performed correctly after initial set up, the batteries have lost their charge. Replace batteries (see steps for Battery Installation in the How To Set Up Your Wireless Thermometer section of this manual.)
3. Check to make sure the transmission path is clear of obstacles and interference.

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#### Trouble-Shooting (continued)

##### **Disconnected Signals (continued)**

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Modifications not authorized by the manufacturer may void users authority to operate this device.

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## Trouble-Shooting (continued)

### Transmission Collision

Signals from other household devices, such as doorbells, home security systems and entry controls, may interfere. This is normal and does not affect the general performance of this product. The transmission will resume once the interference recedes.

### Precautions

This Wireless Thermometer & Hygrometer with Remote Sensor is engineered to give you years of satisfactory service if you handle it carefully, following these guidelines:

1. The receiver is intended for indoor use only. It is not sealed against moisture and could be damaged if used outdoors.
2. Do not immerse the unit in water. If you spill liquid on it, dry immediately with a soft, lint-free cloth.
3. Do not clean the unit with abrasive or corrosive materials. This may scratch plastic parts and corrode electronic circuits.
4. Do not subject unit to excessive force, shock, dust, temperature or humidity. This may result in malfunction, shorter electronic life span, damaged battery or distorted parts.
5. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on this product and may cause damage. The unit contains no user-serviceable parts.
6. Do not mix old and new batteries.
7. Always read the instruction manual before operating this product.

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## Specifications

### Range of temperature measurement:

Receiver unit (indoor only):

23°F to 122°F (0°C to 50°C)

Remote unit: -4°F to 140°F (-20°C to 60°C)\*

### Using Sensor Probe Cable:

-58°F to 158°F (-50°C to 70°C)\*\*

**Humidity Range:** 20% to 99% (if humidity drops below 20% the humidity display will stay at the last reading until the humidity rises within the mentioned range)

**Transmission:** Max. 30M (100 ft.) open area, RF434 MHz

**Resolution:** 0.1 degree for temperature  
1% for humidity

**Battery life:** 1 year (alkaline batteries recommended)

**\*Important:** To extend outdoor temperature range to -40°F to 140°F (-40°C to 60°C) use 2 AA Lithium batteries.

**\*\* Using the sensor probe cable will allow you to keep the unit warmer place with out using Lithium batteries.**

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## One Year Warranty

This product is warranted against defects in materials or workmanship for one (1) year from date of original purchase. It does not cover damages or wear resulting from accident, misuse, abuse, commercial use, or unauthorized adjustment and/or repair.

Should this product require service (or replacement at our option) while under warranty, do not return to retailer. Please pack the item carefully and return it prepaid, along with store receipt showing date of purchase and a note explaining reason for return to:

**Taylor Precision Products**  
**2220 Entrada Del Sol**  
**Las Cruces, New Mexico 88001**  
**[www.taylorusa.com](http://www.taylorusa.com)**

There are no express warranties except as listed above. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

14

**Made to our exact specifications in China.**

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## **EXHIBIT 11**

**Exhibit 11**  
**'738 Patent and Hideki Products**

'738 Patent – Claim 1	Hideki
1. A weather analyzing and reporting station, comprising:	The Hideki products are marketed as a "Weather Station." For example, the first page from the Internet site lists the accused products as such.
sensing means for sensing at least one characteristic of local weather conditions, and for generating a data signal responsive thereto;	<p>As depicted in the data sheets from the exhibit, the TS02 is a sensing device that provides one of 3 channels of outdoor temperatures. There is believed to be a sensing means for sensing this information in TS02. This same TS02 is used for both accused Hideki models.</p> <p>This information is displayed on the portable main unit (see data sheets in exhibit), so there is believed to be a data signal generated in response to the sensed data.</p>
a radio frequency receiver having controls for tuning said receiver to receive weather signals of variable selected frequencies relating to weather conditions prevailing at a selected remote location;	The main unit and sensor communicate at a radio frequency of 433 MHz. ("main unit to remote sensor transmission frequency of 433MHz" appears in the description for both accused Hideki models). The unit also receives a "radio controlled time signal."
microprocessor means for processing said data signal and for predicting a potential weather condition responsive to said data signal,	Both models include a temperature trend feature, which is believed to be based on the temperature signals reported by the remote units.
said microprocessor means including memory for storing base data relating to weather conditions generally;	The TE33/TE33EL is advertised, on the Internet site, "with temperature trend & min./max. memory," and "with barometric pressure trend (high, low, steady)," which also would necessarily require a memory. Similarly, the TE21/TE21EL is also advertised "with temperature trend, min./max. memory."
and annunciating means for annunciating a predicted potential weather condition which correlates to a sensed weather characteristic, responsive to said microprocessor means predicting a potential weather condition and to said	The temperature trend shown in these products are a prediction.

receiver receiving said weather signals.	
--	--



## **EXHIBIT 12**

**EXHIBIT 12**  
**'044 Patent and Hideki Products**

'044 Patent – Claim 26	Hideki
1. A portable weather analyzing and reporting station comprising:	The Hideki system is portable, and marketed as a “weather station.” See, e.g., main Internet page.
a sensing circuit configured to sense at least one characteristic of local weather conditions, and further configured to generate a data signal representing the at least one characteristic;	The Hideki system uses TS02 as a remote sensor. That information is transmitted to the main unit on a frequency of 433 MHz, so there is necessarily a data signal generated representing the temperature measured by the TS02. The Internet page data sheet for both models shows the same TS02 remote unit.
a transmitter coupled to the sensing circuit and configured to wirelessly transmit the data signal;	As noted above, the description for both models refers to “main unit to remote sensor transmission frequency of 433 MHz” means that there is a transmitter in the TS02 that wirelessly transmits data to the main unit.
a receiver configured to wirelessly receive the data signal;	The main unit receives the 433 MHz signal.
a storage device configured to store a characteristic of at least one of a plurality of past weather conditions;	The Hideki system displays trends (barometric trend and temperature min./max), which necessitates past information.
a processor coupled to the receiver and the storage device and configured to generate a prediction of a potential local weather condition, the prediction being based on the data signal received by the receiver and at least one of the characteristics of the weather conditions stored in the storage device;	Both models show a temperature trend, which predicts the future temperature based on the temperature from the remote sensors.
and an indicating circuit configured to indicate the prediction	The display of the temperature trend requires such a circuit.
26. The weather analyzing and reporting station of claim 1, wherein the transmitter is configured to intermittently transmit the data signal at a predetermined interval.	The main unit is believed to receive the data signal from the remote unit at a predetermined interval.

## **EXHIBIT 13**

**Exhibit 13**  
**'738 Patent and Springfield**

'738 Patent – Claim 1	Springfield
1. A weather analyzing and reporting station, comprising:	The “Wireless Weather Forecaster” and “Wireless Digital Thermometer” are such stations, as illustrated below.
sensing means for sensing at least one characteristic of local weather conditions, and for generating a data signal responsive thereto;	Both Instruction manuals refer to the remote sensor, which measures at least temperature at the remote location.
a radio frequency receiver having controls for tuning said receiver to receive weather signals of variable selected frequencies relating to weather conditions prevailing at a selected remote location;	Since the base station receives the sensor information from 100 ft. away, there is believed to be a radio frequency receiver for this transmission. Indeed, the Instruction manuals both refer to the use of three radio frequency channels to monitor three locations that can be 100 ft. away.
microprocessor means for processing said data signal and for predicting a potential weather condition responsive to said data signal,	Both models include a temperature trend feature, which is such a prediction and necessitates such a microprocessor.
said microprocessor means including memory for storing base data relating to weather conditions generally;	The Forecaster’s Instruction Manual includes the following feature description: “Memory function recalls min/max temperature and humidity readings at all locations.” The Thermometer’s Instruction Manual refers to a “Memory function recalls min./max. temperature readings at all locations.”
and annunciating means for annunciating a predicted potential weather condition which correlates to a sensed weather characteristic, responsive to said microprocessor means predicting a potential weather condition and to said receiver receiving said weather signals.	The “annunciation” is in the display shown of the temperature trend.

## **EXHIBIT 14**

**Exhibit 14**  
**'044 Patent and Springfield**

<b>'044 Patent – Claim 26</b>	<b>Springfield</b>
1. A portable weather analyzing and reporting station comprising:	The Springfield system is such a station, as discussed below.
a sensing circuit configured to sense at least one characteristic of local weather conditions, and further configured to generate a data signal representing the at least one characteristic;	Both Instruction manuals refer to the remote sensor, which measures at least temperature at the remote location. The manuals both refer to a 100 ft. range, and the use of three radio frequencies for transmission.
a transmitter coupled to the sensing circuit and configured to wirelessly transmit the data signal;	The 100 ft. radio frequency transmission requires such a transmitter.
a receiver configured to wirelessly receive the data signal;	The base station receives the transmitted info. from the sensor.
a storage device configured to store a characteristic of at least one of a plurality of past weather conditions;	The Forecaster's Instruction Manual includes the following feature description: "Memory function recalls min/max temperature and humidity readings at all locations." The Thermometer's Instruction Manual refers to a "Memory function recalls min./max. temperature readings at all locations."
a processor coupled to the receiver and the storage device and configured to generate a prediction of a potential local weather condition, the prediction being based on the data signal received by the receiver and at least one of the characteristics of the weather conditions stored in the storage device;	Both models display a temperature trend, which necessarily includes such a processor.
and an indicating circuit configured to indicate the prediction	The display of the temperature trend in both models necessitates such a circuit.
26. The weather analyzing and reporting station of claim 1, wherein the transmitter is configured to intermittently transmit the data signal at a predetermined interval.	The instruction manual for the Thermometer indicates that the remote unit transmits to the base station every 2.5 minutes if the change is less than .3 degrees.

## **EXHIBIT 15**

**Exhibit 15**  
**'738 Patent and Homedics**

'738 Patent – Claim 1	Homedics
1. A weather analyzing and reporting station, comprising:	The Homedics weather stations are such a station, as described below.
sensing means for sensing at least one characteristic of local weather conditions, and for generating a data signal responsive thereto;	Each Homedics weather station has a wireless thermometer that senses the temperature and wirelessly transmits it to the base station.
a radio frequency receiver having controls for tuning said receiver to receive weather signals of variable selected frequencies relating to weather conditions prevailing at a selected remote location;	The Homedics remote station is listed as a "3 channel wireless thermometer," and uses "RF wireless technology," so the base station is believed to have a radio frequency (RF) receiver to tune to the appropriate channel sent by a given remote unit.
microprocessor means for processing said data signal and for predicting a potential weather condition responsive to said data signal,	Each Homedics station includes a "temperature trend" feature. There is believed to be a microprocessor means to determine what the temperature trend is (i.e., rising, falling, or steady) based on the received temperature signal from the remote units.
said microprocessor means including memory for storing base data relating to weather conditions generally;	In order to determine a temperature trend, the Homedics station is believed to include a memory to store prior temperature data. Additionally, the stations are advertised as having a "Min./Max. temperature memory."
and annunciating means for annunciating a predicted potential weather condition which correlates to a sensed weather characteristic, responsive to said microprocessor means predicting a potential weather condition and to said receiver receiving said weather signals.	To display the temperature trend to the user, the Homedics station is believed to include circuitry for generating the display. The trend display is responsive to the predicted trend, which is based on the temperature signals received from the remote units.



## **EXHIBIT 16**

**Exhibit 16**  
**'044 Patent and Homedics**

'044 Patent – Claim 26	Homedics
1. A portable weather analyzing and reporting station comprising:	The Homedics stations are such stations, as follows.
a sensing circuit configured to sense at least one characteristic of local weather conditions, and further configured to generate a data signal representing the at least one characteristic;	Each Homedics weather station has a wireless thermometer that senses the temperature and wirelessly transmits it to the base station.
a transmitter coupled to the sensing circuit and configured to wirelessly transmit the data signal;	Each Homedics weather station has a wireless thermometer that senses the temperature and wirelessly transmits it to the base station.
a receiver configured to wirelessly receive the data signal;	The Homedics remote station is listed as a "3 channel wireless thermometer," and uses "RF wireless technology," so the base station is believed to have a radio frequency (RF) receiver to tune to the appropriate channel sent by a given remote unit.
a storage device configured to store a characteristic of at least one of a plurality of past weather conditions;	In order to determine a temperature trend, the Homedics station is believed to include a memory to store prior temperature data. Additionally, the stations are advertised as having a "Min./Max. temperature memory."
a processor coupled to the receiver and the storage device and configured to generate a prediction of a potential local weather condition, the prediction being based on the data signal received by the receiver and at least one of the characteristics of the weather conditions stored in the storage device;	Each Homedics station includes a "temperature trend" feature. There is believed to be a microprocessor means to determine what the temperature trend is (i.e., rising, falling, or steady) based on the received temperature signal from the remote units.
and an indicating circuit configured to indicate the prediction	To display the temperature trend to the user, the Homedics station is believed to include circuitry for generating the display.
26. The weather analyzing and reporting station of claim 1, wherein the transmitter is configured to intermittently transmit the data signal at a predetermined interval.	The Homedics remote units are believed to transmit their data signals at a predetermined interval.

## **EXHIBIT 17**

**Exhibit 17**  
**'738 Patent and Taylor**

'738 Patent – Claim 1	Taylor
1. A weather analyzing and reporting station, comprising:	The Taylor product is such a station, as described below.
sensing means for sensing at least one characteristic of local weather conditions, and for generating a data signal responsive thereto;	The Taylor product includes a remote sensor that detects temperature and humidity, and transmits it wirelessly to the base unit.
a radio frequency receiver having controls for tuning said receiver to receive weather signals of variable selected frequencies relating to weather conditions prevailing at a selected remote location;	The wireless transmission used in the Taylor products is via radio frequency transmission, at 434 MHz (according to the user manual), which would require such a receiver and controls. The base unit can work with up to three remote units, so there is believed to be a tuning control to select the appropriate signal for reception.
microprocessor means for processing said data signal and for predicting a potential weather condition responsive to said data signal,	The Taylor products display a temperature trend and a humidity trend, either of which will use a microprocessor means for receiving the data from the remote sensor unit and displaying the appropriate trend symbol.
said microprocessor means including memory for storing base data relating to weather conditions generally;	To display a trend, the Taylor product is believed to have some storage indicating at least one past condition. Furthermore, the unit is advertised as electronically storing the daily high/low temperature and humidity.
and annunciating means for annunciating a predicted potential weather condition which correlates to a sensed weather characteristic, responsive to said microprocessor means predicting a potential weather condition and to said receiver receiving said weather signals.	The display of the trend symbol is such an annunciating means.

## **EXHIBIT 18**

**Exhibit 18**  
**'044 Patent and Taylor**

<b>'044 Patent – Claim 26</b>	<b>Taylor</b>
1. A portable weather analyzing and reporting station comprising:	The Taylor station is such a station, as follows.
a sensing circuit configured to sense at least one characteristic of local weather conditions, and further configured to generate a data signal representing the at least one characteristic;	The Taylor product includes a remote sensor that detects temperature and humidity, and transmits it wirelessly to the base unit.
a transmitter coupled to the sensing circuit and configured to wirelessly transmit the data signal;	The transmission above uses such a transmitter.
a receiver configured to wirelessly receive the data signal;	The wireless transmission used in the Taylor products is via radio frequency transmission (434MHz according to the manual), which would require such a receiver.
a storage device configured to store a characteristic of at least one of a plurality of past weather conditions;	To display a trend, the Taylor product is believed to have some storage indicating at least one past condition. Furthermore, the unit is advertised as electronically storing the daily high/low temperature and humidity.
a processor coupled to the receiver and the storage device and configured to generate a prediction of a potential local weather condition, the prediction being based on the data signal received by the receiver and at least one of the characteristics of the weather conditions stored in the storage device;	The Taylor products display a temperature trend and a humidity trend, either of which will use a processor for receiving the data from the remote sensor unit and displaying the appropriate trend symbol.
and an indicating circuit configured to indicate the prediction	The display of the trend symbol is such an indication, and uses an indicating circuit (the LCD console display).
26. The weather analyzing and reporting station of claim 1, wherein the transmitter is configured to intermittently transmit the data signal at a predetermined interval.	The instruction manual for the Taylor product indicates that the remote temperature is transmitted at 2.5 minute intervals.

## **EXHIBIT 19**

The background of the advertisement features a detailed black and white illustration of various leaves and branches, some with berries, creating a natural, woodland-like setting. The Springfield logo is positioned in the upper left corner.

SPRINGFIELD.  
PRECISETEMP™

indoor & outdoor

# Multi-Zone Wireless Digital Thermometer

- 3 RF channels to monitor temperature in three different locations up to 100 ft. away
- Remote temperature displays on base station and sensor LCD
- Indoor/outdoor temperature displayed in °C or °F
- Memory function to recall min./max. temperature
- Programmable high/low temperature alarm
- Temperature trend indicator
- Weatherproof 10 ft. sensor probe can be used in pool, spa, freezer or soil
- Low battery indicator

Springfield is the natural choice.™



**SPRINGFIELD.**  
**PRECISETEMP™**

indoor & outdoor  
**Multi-Zone Wireless  
Digital Thermometer**

91049-1



**BASE STATION:**

DISPLAY:	1.4"H x 1.3"W LCD WITH 2 READOUTS
LCD NUMBER SIZE:	5"H x 28"W
MEMORY:	MIN./MAX. TEMPERATURE RECALL
INDOOR TEMP. RANGE:	32°F TO 122°F (0°C TO 50°C)
RF CAPACITY:	3 RF CHANNELS MONITOR TEMPERATURE UP TO 3 LOCATIONS WITHIN 100 FT. RANGE
OUTDOOR:	ARROWS INDICATE RISING, FALLING OR CONSTANT TEMPERATURE TREND
TEMPERATURE TREND:	TEMPERATURES
ALERT FEATURES:	PROGRAMMABLE HIGH/LOW TEMPERATURE ALARM
MOUNTING:	TABLETOP OR WALL-MOUNTABLE
BATTERIES:	2 AA (INCLUDED)

**REMOTE SENSOR:**

DISPLAY:	5"H x 1"W LCD
LCD NUMBER SIZE:	4"H x 2"W
TRANSMISSION:	TRANSMITS NEW TEMPERATURE SIGNAL EVERY 2.5 MINUTES
REMOTE SENSOR RANGE:	32°F TO 122°F (0°C TO 50°C)
TEMPERATURE	
RANGE VIA PROBE:	-58° TO 158° (-50°C TO 70°C)
MOUNTING:	TABLETOP OR WALL-MOUNTABLE
BATTERIES:	2 AAA (INCLUDED)

76 Passaic Street, Wood-Ridge, New Jersey 07075-1091

1-888-809-3284

Precision Made in China

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Operating Instructions and Limited Warranty Enclosed

Springfield is the natural choice.™

An artistic illustration of rain falling onto several large, detailed leaves. The rain is represented by numerous diagonal lines of varying lengths, creating a sense of movement and atmosphere. The leaves are depicted with fine lines showing their veins, and the overall scene is rendered in a high-contrast, black and white style.

**SPRINGFIELD.**  
PRECISETEMP™

indoor & outdoor

# Multi-Zone Wireless Weather Forecaster with hygrometer

- True barometric weather forecaster
- Monitors temperature at up to four locations (additional remotes may be required)
- Measures and displays indoor humidity from 20% to 90%
- Memory function to recall min./max. temperature and humidity readings
- LCD remote sensor transmits temperature up to 100 ft. away from base station
- 12/24 hour selectable clock display
- 10 ft. detachable, weatherproof remote sensor probe for use in pools, freezers or soil

Springfield is the natural choice.™

**SPRINGFIELD.**  
**PRECISETEMP™**

indoor & outdoor  
**Multi-Zone Wireless**  
**Weather Forecaster**  
with hygrometer

**BASE STATION:**

DISPLAY:	EASY READ 2.5"H x 1.75"W LCD WINDOW
LCD NUMBER SIZE:	.55"H x .27"W
MEMORY:	MIN/MAX TEMP & HUMIDITY RECALL
INDOOR TEMP. RANGE:	32°F to 122°F (0°C to 50°C)
TEMPERATURE TOLERANCE:	+/-2°F (+/-1.1°C)
HUMIDITY RANGE:	20% - 90%
HUMIDITY TOLERANCE:	+/-7% AT 20-29% & 91-99% +/-5% AT 30-90%
RF CAPACITY:	3 RF CHANNELS MONITOR TEMP. UP TO 3 REMOTE LOCATIONS WITHIN A 100 FT. RANGE (ADDITIONAL REMOTES REQUIRED)
OUTDOOR TEMP. TREND:	ARROW INDICATES RISING, FALLING, OR CONSTANT TEMPERATURE.
MOUNTING:	TABLETOP OR WALL-MOUNTABLE
BATTERIES:	2 AAA (NOT INCLUDED)

**REMOTE SENSOR:**

DISPLAY:	.50"H x 1"W
TRANSMISSION:	UP TO 100 FT. FROM BASE STATION
TEMPERATURE RANGE:	32°F to 122°F (0°C to 50°C)
TEMP. TOLERANCE:	+/-2°F (+/-1.1°C)
TEMP. RANGE VIA PROBE:	-58°F to 122°F (-50°C to 50°C)
PROBE:	DETACHABLE WEATHERPROOF 10 FT. SENSOR PROBE
MOUNTING:	TABLETOP OR WALL-MOUNTABLE
BATTERIES:	2 AAA (NOT INCLUDED)

76 Passaic Street, Wood-Ridge, New Jersey 07075-1091

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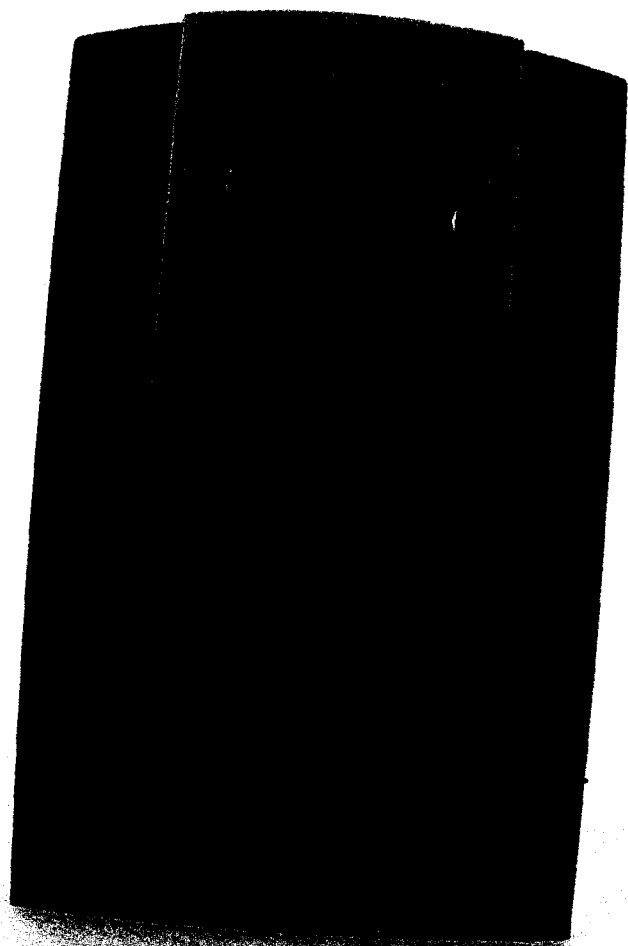
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Operating Instructions and Limited Warranty Enclosed

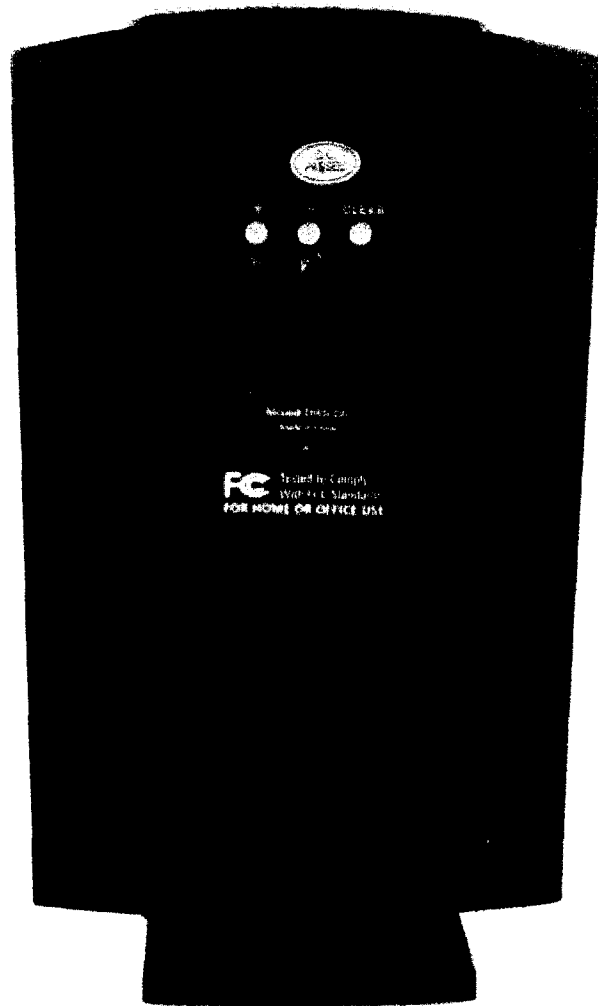
91185



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## **EXHIBIT 20**





**Model# DWS-220**

**Made in China**



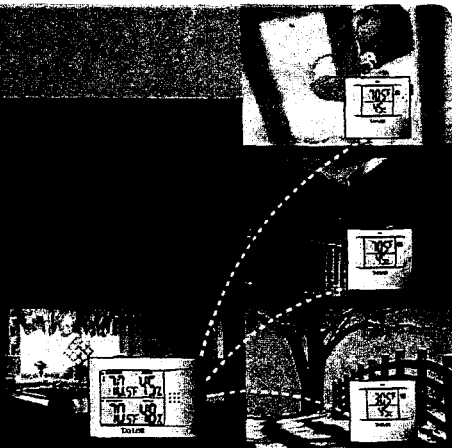
**Tested to Comply  
With FCC Standards  
FOR HOME OR OFFICE USE**

## **EXHIBIT 21**



# DIGITAL WEATHER SYSTEM Thermometer & Hygrometer

- Tracks indoor/outdoor temperatures & humidity in up to 4 locations from one room\*
- Extra-large dual LCD display
- High/low daily temperature & humidity recall
- Temp/humidity trend graph
- One remote sensor included



\* Additional remote sensor purchases necessary to monitor locations 3 or 4



Leading the Way in Accuracy™

Requires 4 AA alkaline batteries (not included)  
model 1458



Walden Humidity Ranch  
1000 N. 10th St. Fargo, N.D. 58101  
1981

Walden Humidity Ranch  
1000 N. 10th St. Fargo, N.D. 58101

Walden Humidity Ranch  
1000 N. 10th St. Fargo, N.D. 58101



Walden Humidity Ranch  
1000 N. 10th St. Fargo, N.D. 58101

## **EXHIBIT 22**

**Exhibit 22**  
**'738 Patent and Chaney**

'738 Patent – Claim 1	Chaney
1. A weather analyzing and reporting station, comprising:	The Chaney Acurite™ weather station is such a station, as shown below.
sensing means for sensing at least one characteristic of local weather conditions, and for generating a data signal responsive thereto;	The Chaney wireless sensor reads temperatures from 0°F to 122°F, and uses RF (radio frequency) transmission to send that data to the base unit. The front of the wireless sensor states "RF wireless"
a radio frequency receiver having controls for tuning said receiver to receive weather signals of variable selected frequencies relating to weather conditions prevailing at a selected remote location;	The wireless sensor is an "RF wireless" sensor, and the base unit is believed to have an RF tuner to receive the temperature at the remote sensor's location. The base unit works with up to three wireless sensors, and uses variable frequencies to receive data from the remote units. For example, the instruction manual included with the product notes that when additional remote units are installed, the main unit will "automatically search for an open channel."
microprocessor means for processing said data signal and for predicting a potential weather condition responsive to said data signal,	The main unit can display a temperature trend, and is believed to have a means for processing the temperature data received from the remote unit to provide this prediction.
said microprocessor means including memory for storing base data relating to weather conditions generally;	The main unit is believed to have a memory to store past temperatures, in order to provide temperature trend data. There is also a min/max memory advertised on the package.
and annunciating means for annunciating a predicted potential weather condition which correlates to a sensed weather characteristic, responsive to said microprocessor means predicting a potential weather condition and to said receiver receiving said weather signals.	The LCD display of the main unit annunciates the temperature trend, predicting future temperatures.

## **EXHIBIT 23**

**Exhibit 23**  
**'044 Patent and Chaney**

'044 Patent – Claim 26	Chaney
1. A portable weather analyzing and reporting station comprising:	The Chanel Acurite™ wireless weather station is such a station, as noted below.
a sensing circuit configured to sense at least one characteristic of local weather conditions, and further configured to generate a data signal representing the at least one characteristic;	The remote unit is able to detect temperatures between 0°F to 122°F, and generates a display of this temperature on its own LCD. It also generates a temperature signal that will be transmitted to the main unit.
a transmitter coupled to the sensing circuit and configured to wirelessly transmit the data signal;	The remote unit is an “RF wireless” unit that transmits temperature data to the main unit.
a receiver configured to wirelessly receive the data signal;	The main unit receives the temperature data from the “RF wireless” unit.
a storage device configured to store a characteristic of at least one of a plurality of past weather conditions;	The main unit has a min/max temperature memory, and is also believed to have a memory storing past temperature readings, in order to generate the temperature trend display.
a processor coupled to the receiver and the storage device and configured to generate a prediction of a potential local weather condition, the prediction being based on the data signal received by the receiver and at least one of the characteristics of the weather conditions stored in the storage device;	The main unit generates an LCD display of the temperature trend, and is believed to have a processor that uses past and present temperature data to generate this prediction.
and an indicating circuit configured to indicate the prediction	The LCD display includes a temperature trend symbol, and has a circuit to generate this symbol.
26. The weather analyzing and reporting station of claim 1, wherein the transmitter is configured to intermittently transmit the data signal at a predetermined interval.	The Chaney remote sensors are believed to transmit their data at a predetermined interval.

## **EXHIBIT 24**



**Exhibit 24**  
**'738 Patent and LaCrosse**

'738 Patent – Claim 1	LaCrosse
1. A weather analyzing and reporting station, comprising:	The LaCrosse station is such a station, as noted below.
sensing means for sensing at least one characteristic of local weather conditions, and for generating a data signal responsive thereto;	The unit includes an indoor sensor that senses temperature, humidity and pressure
a radio frequency receiver having controls for tuning said receiver to receive weather signals of variable selected frequencies relating to weather conditions prevailing at a selected remote location;	The remote units transmit their sensed data to the main unit at 433.92 MHz.
microprocessor means for processing said data signal and for predicting a potential weather condition responsive to said data signal,	The main unit includes a pressure trend indicator, which indicates the likely future barometric pressure.
said microprocessor means including memory for storing base data relating to weather conditions generally;	To provide a pressure trend indicator, the main unit stores the previous measured pressures.
and annunciating means for annunciating a predicted potential weather condition which correlates to a sensed weather characteristic, responsive to said microprocessor means predicting a potential weather condition and to said receiver receiving said weather signals.	The LCD display provides a pressure trend indicator that is such an annunciating means.

## **EXHIBIT 25**

**Exhibit 25**  
‘044 Patent and LaCrosse

‘044 Patent – Claim 26	LaCrosse
1. A portable weather analyzing and reporting station comprising:	The LaCrosse unit is such a station, as noted below.
a sensing circuit configured to sense at least one characteristic of local weather conditions, and further configured to generate a data signal representing the at least one characteristic;	The unit includes an indoor sensor that senses temperature, humidity and pressure, and transmits its data to the main unit at 433.92 MHz.
a transmitter coupled to the sensing circuit and configured to wirelessly transmit the data signal;	The remote units transmit their sensed data to the main unit at 433.92 MHz.
a receiver configured to wirelessly receive the data signal;	The remote units transmit their sensed data to the main unit at 433.92 MHz.
a storage device configured to store a characteristic of at least one of a plurality of past weather conditions;	To display a pressure trend, the main unit stores information regarding prior pressures.
a processor coupled to the receiver and the storage device and configured to generate a prediction of a potential local weather condition, the prediction being based on the data signal received by the receiver and at least one of the characteristics of the weather conditions stored in the storage device;	The display of the pressure trend uses measured pressure from the remote unit, and has such a processor.
and an indicating circuit configured to indicate the prediction	The display of the pressure trend uses such an indicating circuit.
26. The weather analyzing and reporting station of claim 1, wherein the transmitter is configured to intermittently transmit the data signal at a predetermined interval.	The remote units are believed to transmit their data at a predetermined interval, which is approximately one minute.

## **EXHIBIT 26**

### Setting Up

1. Insert magnets in the outdoor sensors (three)
  - a. Be sure to make note of the colored magnet for the rain gauge, and put bucket together properly.
  - b. Be sure to firmly press the magnet in (about 1/8" will be out of the opening)
2. Insert two AA batteries into the indoor sensor. This sensor measures temperature, humidity, and air pressure and transmits it to the display/receiver.
3. Wait ten minutes, then insert four AA batteries into display/receiver and wait for ten minutes without pressing buttons to allow full set up.
4. **Calibrate** and set the time and date (NOTE: the time and date needs to be set for proper operation)
  - a. Press the  $\leftarrow$ ,  $\rightarrow$ , and Calbr. Buttons at the same time. "0000" inHg (altitude) is displayed.
  - b. Press the + to increase the altitude setting. Please note the altitude adjustment is in meters. If you know your altitude in feet, multiply this by 0.305 to get meters. If you do not know your altitude, watch the local weather to find the air pressure, and adjust the altitude until the air pressure matches. You may press the "Unit" key to switch between inHg and hPa. Press the  $\leftarrow$  key once.
  - c. "1.45 in" is displayed in the rain section. This is the rain multiplier; each tip of the rain bucket represents 0.0145 inches of rain. This can be adjusted, but it is not recommended. You may press the "Unit" key to switch between inches and millimeters for rain measurement. Press the  $\leftarrow$  key.
  - d. The time and date are displayed in the lower left hand corner. Press the corresponding keys to advance the time or date. "Wind" for hour, "Rain" for minute, "Alarm" for month, "Sensor" for day. Press the  $\leftarrow$  key once.
  - e. Three "7's" are displayed; in indoor temperature, wind, and rainfall. This is the addressing for those sensors, and must be set to 7's. If not, press the appropriate key to advance to the correct number (indoor, wind, or rain). You may press the "Unit" key to switch between °F or °C. Press the "Store" key to end calibration mode.

### Mounting Sensors

1. **The outdoor temperature and humidity sensor** should be mounted in the shade with enough reflected light to power the solar panel; placement on the East side of a house with two or three hours of cool morning sun works very well. While not much light is required, enough light to power a solar-powered calculator is needed. Insufficient light can result in "--.-" to be displayed in the temperature section. In this case, moving the sensor is required.
2. **The wind sensor** should be mounted in the open, preferably on a roof. The solar panel needs to face due South for a reference point for direction. The mast it is mounted on needs to be stable and not subject to vibrations.
3. **The rainfall sensor** should be mounted in the open on a horizontal surface. Leaves and other debris may collect in the bucket and should be cleaned once in a while.

4. **The indoor sensor** should be mounted in a location where main indoor temperature measurement is desired. Keep away from sources of heat and cool.
5. **The transmission signal** travels in a straight line from the sensor to the display/receiver. Any obstacles in this path may cause interference and limit the range. A typical wall will decrease the signal range about thirty feet (300 feet is the rated range in free space).

### Operating Tips

1. **Minimum and maximum** values are stored for all data (no minimum rain or wind). Press the "Min/Max" key once to view minimum values. Press the "Min/Max" key again to view maximum values. While viewing all minimum or maximum data, press the  $\leftarrow$  or  $\rightarrow$  keys to scroll through each value with the corresponding time and date of occurrence. To exit this mode, view all minimum or maximum values and press the "Min/Max" key to exit.
2. **Alarms** can be set for all values (except rain). Press the  $\leftarrow$  and  $\rightarrow$  keys to enter the programming mode. Press the  $\leftarrow$  or  $\rightarrow$  keys to scroll through each value and press the + or - to adjust the value. Press the "Min/Max" key to toggle between minimum alarm and maximum alarm. When a minimum alarm is set, any value received below that will sound the alarm; press the "Alarm" key to shut off the alarm.
3. **Rainfall** can be viewed as total (cumulative until reset), 1h (1 hour total updated at the bottom of the hour), or 24h (24 hour total from 7 am to 7 am). For example, at 3:45 pm on Wednesday, you will see the total rainfall since the last reset, the 1 hour total from 2:30 pm to 3:30 pm., and the total from 7 am Tuesday to 7 am Wednesday.
4. **Wind** readings are continuously monitored, and transmitted once every three minutes. The value displayed is the maximum wind recorded during that three minute period, along with the average wind direction, represented by arrows around the compass. Wind units may be changed by pressing the "Wind" key.
5. **Solar panels** are integrated in three of the four sensors. These sensors also include a Lithium button cell battery that will recharge during the day and power the unit at night. The battery is expected to last seven to ten years. Occasionally the display/receiver can lose transmission from a sensor and display "--.-". This may be due to outside interference (cordless phones, wireless headphones, etc.) or not enough sunlight. Such losses of signals should be very infrequent, and will return automatically through an automatic search at 8 am and 6 pm. If the loss of communication is consistent, it may require moving the sensor.
6. **The forecast and weather trend** is based on the changing air pressure over time. When air pressure falls, worsening conditions are expected. When air pressure rises, the weather is expected to clear up. The symbols are relative to current weather; thus, a sunny icon may not indicate the forecast of sunny weather, but rather clearing conditions. The forecast is for 6 to 12 hours in the future, and is about 75% accurate overall. Areas that are not affected as much by the air pressure change may find the forecast accuracy to be less than 75%.

Optional accessories are available for your unit WS-2010, WS-2210, or WS-7015. These are available through your retailer or by contacting La Crosse Technology directly.

1. A total of nine temperature and humidity may be received; two are included. The indoor sensor included will always be displayed on the left side of the display. All other temperature and humidity sensors will be displayed on the right side, along with a number. "Addressing" an additional sensor will be necessary for it to be viewed as the desired number. The sensors that are included and most additional sensors are addressed from the factory and do not need addressing.
2. WS2010-20 indoor temperature, humidity, and pressure sensor is included, and no more may be added.
3. WS2010-25 outdoor temperature and humidity (solar-powered) is included, and may be ordered as an addition.
4. WS2010-22 indoor temperature and humidity (battery operated) looks the same as the WS2010-20. This is not included and available as an addition.
5. WS2010-28 weatherproof temperature probe (battery operated). Used for measuring water or soil temperature (includes a 10 foot cable with thermometer on the end).
6. WS2010-11, WS2210-11, WS7015-11 additional display. Unlimited numbers of displays can be used off the same set of sensors. No addressing is needed, just insert the batteries and calibrate.
7. WS2010-12 signal repeater. This receives all the sensors' data and repeats them. The transmission range is essentially doubled. Also useful for collecting the data from a roof-mounted wind sensor and re-transmitting it through one wall instead of through several floors.
8. WS2010-13 PC interface. This collects and stores all the data from the sensors, and is downloaded to a computer through a serial port via the included software. History, charts, graphs, and current data can be displayed. All information can be exported as an ASCII file for use in other programs such as Excel. Third party software is available to design and update web pages with this information.

For questions or warranty work, please contact us:

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Check our website for current updates, instructions, and new products. Join our website by e-mailing. Any information we collect is not shared outside this company. We maintain our own database and use this for e-mailing updates and special offers, perhaps once a month. Any request to remove from a mailing list is honored.

## WARRANTY INFORMATION

La Crosse Technology provides a 1-year warranty on this weather station. Contact La Crosse Technology immediately upon discovery of any defects covered by this warranty.

Before sending the Weather Station in for repairs, contact La Crosse Technology. The Weather Station will be repaired or replaced with the same or similar model.

This warranty does not cover any defects resulting from improper use, use other than home or office (i.e. on a boat) unauthorized repairs, faulty batteries, or the Weather Stations inability to receive a signal due to any source of interference.

LA CROSSE TECHNOLOGY WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS WEATHER STATION. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact La Crosse Technology.

## FCC DISCLAIMER

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Freq. 433.92 MHz  
La Crosse Technology  
Made in China  
WS-2010, WS-2210, WS-7015

FCC ID: OMO-01RX (Receiver)  
OMO-01TX (transmitter)