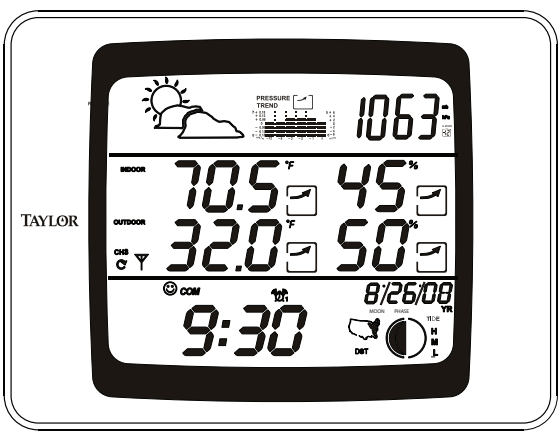
by TAYLOR
1528

Weather guide

WeatherGuide™ System with Remote Sensor

Instruction Manual



Welcome to the Taylor® WeatherGuide System. Simple, reliable, accurate…it allows you to monitor indoor or outdoor locations from one room. The base unit reads indoor conditions, while the remote sensor wirelessly reports outdoor weather conditions back to the base unit for an all-in-one weather display.
Plan your work day, play day, every day. Now that's smart!

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To Power your WeatherGuide™

Base Unit

Your WeatherGuide™ base unit may be powered by either an AC adaptor (included) or 2 AAA batteries (not included).

Adaptor power – insert the connector end of the adaptor into the jack on the side of the base unit. Plug the other end into the proper electrical outlet.

Battery Power – Remove the battery compartment cover on the back of the unit. Install 2 AAA batteries. Replace the battery compartment cover.

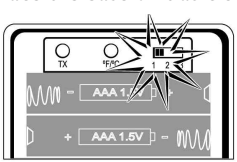
Important: Power the base unit before installing batteries in the remote sensor, or the units' transmissions may not properly connect.

Remote Sensor

Unscrew the 4 screws securing the remote sensor's battery compartment cover located on the back of the unit. Install 2 AAA batteries. (Tip: Lithium batteries are recommended in extremely cold or hot locations.)

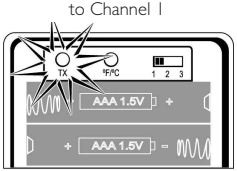
How to Set up Your WeatherGuide™ System

First, power up the base unit, using either the AC adaptor or 2 AAA batteries. Next, install 2 AAA batteries into the remote sensor. Place the base unit as close as possible to the remote unit.



Move channel switch to Channel 1

There is a Channel switch in the remote sensor battery compartment. Move the switch to Channel 1.

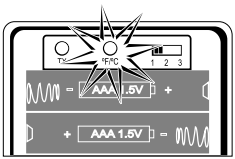


Press the Tx button to send transmission signal to base unit

Press the "TX" button located inside the remote sensor battery compartment. This will send a transmission signal to the base unit. The red LED Indicator light will flash when a signal is transmitted.

Transmission successful

If the transmission is successful, the remote sensor readings and a " " icon will appear on the base unit. If dashes are still displayed on the receiver unit, press the Tx button again.



Select °F or °C for remote

To change the remote sensor's temperature display to Celsius, press the "+C/F" button inside the remote's battery compartment.

Replace the remote's battery compartment cover.

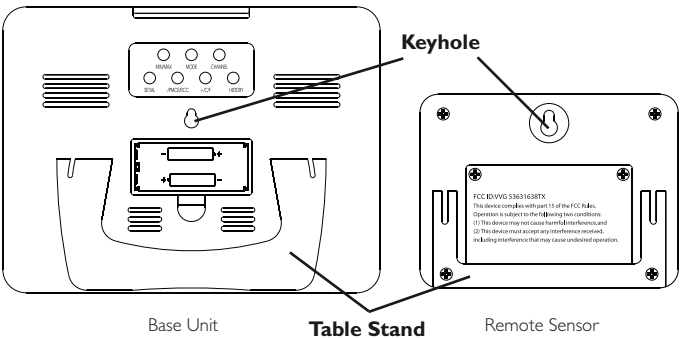
The remote will automatically transmit readings to the base unit.
- The first remote registered will transmit every 53 seconds.
- If a second remote is registered, it will transmit every 56 seconds.
- If a third remote is registered, it will transmit every 59 seconds.

Note: A maximum of 3 remote sensor units can be registered. Should you purchase one or two additional remote units (Model 1536, 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. The Channel number assigned will appear on the remote's LCD screen.

How to Display your WeatherGuide™

Table top – use the Table Stand on the back of the base and remote sensor units

Wall – use the keyhole on the back of the base and remote sensor units.



Base unit location –

Place the unit indoors in a well-ventilated location away from direct sunlight.

Remote sensor location –

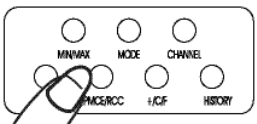
The transmission range of the remote sensor is 100 feet. The effective transmission range is vastly affected by obstacles such as walls, sheds, trees, etc. Try various set ups for the best results. Shorten the distance between receiver and remote units when necessary. Place indoor in a well ventilated location away from direct sunlight. Place the sensor in a dry, shaded area. Direct sunlight will heat the casing and inflate temperatures readings.

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.

A maximum of 3 remote sensor units can be registered. One remote sensor is included. To purchase additional Remote Sensors (Taylor model 1536), please visit www.partshelf.com.

Atomic Clock and Calendar

Your WeatherGuide™ has a radio-controlled clock/calendar that sets itself to the radio signal transmitted by the U.S. Atomic Clock located in Colorado. To synchronize the atomic clock:



Press and hold -PMCE/RCC to synchronize atomic clock. Release when unit beeps.

Steady Icon = Atomic clock synchronized (may take up to 24 hours to capture signal).

Press PMCE/RCC to choose time zone.

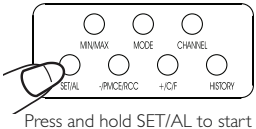
1. Press and hold the "-PMCE/RCC" button on the back of the base unit. The unit will beep. The antenna icon will flash on the screen.
   Please note: reception may take 2-10 minutes.

2. When the icon is steady, the Atomic Clock has been successfully synchronized.

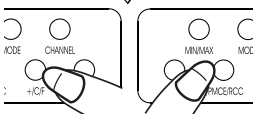
3. Choose your time zone by pressing the "PMCE/RCC" button.

Please note: If the icon disappears, the Atomic time signal is not available at the moment. Try another location later away from possible sources of interference, such as mobile phones, appliances, computers, refrigerators, TVs, etc. Daytime conditions such as sunlight and other atmospheric interferences can affect synchronization; try setting the clock during evening hours. Please note: if the signal is weak, it may take up to 24 hours for the atomic clock to establish a connection. In the meantime, the clock may be manually set. Once the atomic signal is found, it will override the manually programmed time and date.

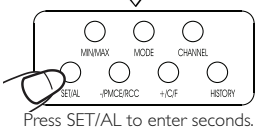
The Atomic Clock will have a daily synchronization at 2:05 am Pacific Time every day. Each reception cycle is 2.5 minutes minimum and 10 minutes maximum.



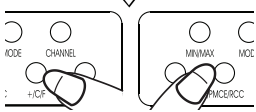
Press and hold SET/AL to start clock setting



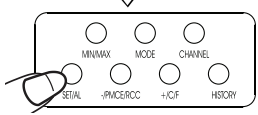
Press +C/F or -PMCE/RCC to reset seconds.



Press SET/AL to enter seconds.



Press +C/F or -PMCE/RCC to change minutes.



Press SET/AL to enter minutes.

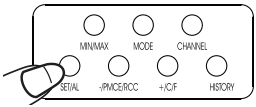
Repeat to set rest of clock/calendar settings.

How to Set the Clock Manually

To manually set the clock:

1. Press and hold the "SET/AL" button. The unit will beep.
2. Press "+C/F" or "-PMCE/RCC" to set the seconds to zero. Press "SET/AL" to enter.
3. Press "+C/F" or "-PMCE/RCC" to change the hours. Press "SET/AL" to enter.
4. Press "+C/F" or "-PMCE/RCC" to change the minutes. Press "SET/AL" to enter.
5. Press "+C/F" or "-PMCE/RCC" to choose either the month/date or day/month display. Press "SET/AL" to enter.
6. Press "+C/F" or "-PMCE/RCC" to change the year. Press "SET/AL" to enter.
7. Press "+C/F" or "-PMCE/RCC" to change the month or day. Press "SET/AL" to enter.
8. Press "+C/F" or "-PMCE/RCC" to change the date or month. Press "SET/AL" to enter.
9. Press "+C/F" or "-PMCE/RCC" to choose a language* display. Press "SET/AL" to enter.
10. Press "+C/F" or "-PMCE/RCC" to choose either the 12 or 24 hour time display. Press "SET/AL" to enter.
11. The clock/calendar is now set.

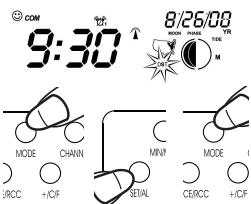
(*language options are: EN (English), DA (Danish), ES (Spanish), NE (Dutch), FR (French), IT (Italian), GE (German).)



Press SET/AL after choosing 12/24 hour time.

Clock is set

Tip: Hold down the "+C/F" or "-PMCE/RCC" buttons to advance the digits quickly.

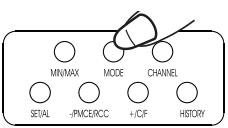


Press Mode, then press and hold SET/AL, then press Mode to change DST.

Daylight Savings Time – to turn DST on, press "MODE" until "OFF" appears in the clock digits. Press and hold the "SET/AL" button until it switches to "ON". DST is now on. Press "MODE" to return to the clock display.

How to Set the Alarm

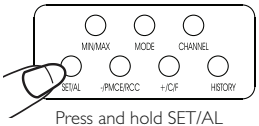
Your WeatherGuide™ has 2 separate alarm settings.



Press MODE to start alarm setting

To set one alarm:

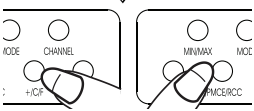
1. Press the "MODE" button on the back of the base unit. The unit will beep. The clock time changes to the alarm time. "A1" appears next to the time.



Press and hold SET/AL

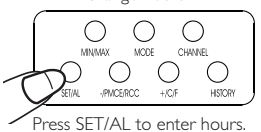
Hour digits flash

2. Press and hold the "SET/AL" button. The unit will beep and the alarm's hour digits will flash.



Press +C/F or -PMCE/RCC to change hours.

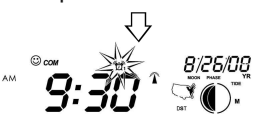
3. Press "+C/F" or "-PMCE/RCC" to change the hours. Press "SET/AL" to enter. The minutes will flash.



Press SET/AL to enter hours. Minutes digits flash.

4. Press "+C/F" or "-PMCE/RCC" to change the minutes. Press "SET/AL" to enter. The unit will return to the clock display.

Repeat to set minutes.



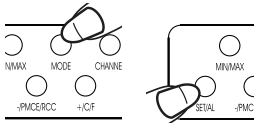
Alarm 1 is active

5. A $\overset{1}{\text{⏰}}$ icon above the time indicates Alarm 1 is active. The unit will return to the clock display after approximately 15 seconds, or press "MODE" until the clock display returns.

Alarm 2 is active

To set two alarms:
Press the "MODE" button until A2 appears. Repeat programming steps for A1.

A $\overset{2}{\text{⏰}}$ icon above the time indicates Alarm 2 is active.

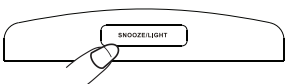


Press Mode then SET/AL to turn off alarm

No alarm icon = alarm is off.

To turn off the alarm:

Press "MODE" until the Alarm display appears. Press the "SET/AL" button. The alarm icon will disappear. The alarm is turned off.



Press Snooze/Light to silence alarm

Snooze feature

Press the "Snooze/Light" button on the top of the base unit to silence the alarm for 5 minutes.

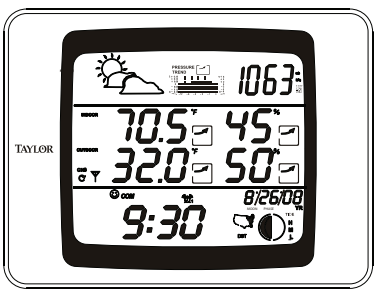
A icon will flash as long as the snooze is active. The snooze will deactivate when the alarm is turned off.

How to read your WeatherGuide™

The base unit displays indoor conditions from its location.

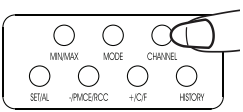
The remote unit will transmit weather readings from its location back to the base unit.

Alternately, the remote sensor's probe cord may be used. Plug the probe cord into the rubber plug on the remote sensor. Allow the end to hang where you wish to measure temperatures (out of a window, aquariums, swimming pools, etc.)



Base unit – Indoor and Outdoor readings

Remote unit – outdoor readings



Press Channel to see different remote sensor readings

If more than one remote sensor is in use, press the "CHANNEL" button on the back of the base unit to toggle between sensor displays.

Channel icon indicates which channel is displayed.

A Channel icon on the base unit indicates which remote sensor readings are displayed.

Auto scroll will toggle between different remote sensor readings

Auto Scroll feature – the base unit can be set to automatically scroll through readings. To activate Auto Scroll, press the "Channel" button on the back of the base unit until the auto scroll symbol appears on the LCD. The base unit will automatically display base and remote readings for 10 seconds each.

Temperature/Humidity Readings

Temperature displays

Temperatures display in the center left section of the LCD.

Indoor temperature readings – these are temperatures at the base unit's location.

Outdoor temperature readings – these are temperatures that are measured by the remote sensor.

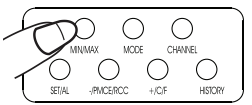
Humidity displays

Humidity displays in the center right section of the LCD.

Indoor humidity readings – these are temperatures at the base unit's location.

Outdoor humidity readings – these are temperatures that are measured by the remote sensor.

Current readings

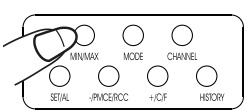


Press MIN/MAX to see high and low daily temperature & humidity

Minimum or Maximum readings

Back to current readings

Minimum or Maximum readings on screen



Press and hold Max/Min to reset high/low temperature & humidity

Min/Max readings are cleared.

To View Minimum/Maximum temperature/humidity readings

Your WeatherGuide™ will store the last recorded high and low temperatures and humidity over a 24 hour period. The 24 hour period starts when the batteries are installed.

1. Press the "Min/Max" button once to see the highest temperature/humidity of the day.

2. Press the "Min/Max" button again to see the lowest temperature/humidity of the day.

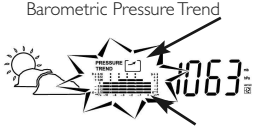
3. Press the "Min/Max" button a third time to see current temperature/humidity again.

To Clear the minimum or maximum readings, press and hold the "Min/Max" button while those readings are on the screen. The reading will reset to the current temperature.

Barometric Pressure Readings

Barometric pressure refers to the pressure exerted by the atmosphere at a given altitude. It may be expressed in either millibars (mb)/hectopascals (hPa), or inches of mercury (inHg). A rising or falling barometric pressure reading indicates the likelihood of fair or poor weather conditions.

- A high or rising barometric pressure indicates fair weather conditions.
- A low or falling barometric pressure indicates poor weather conditions.

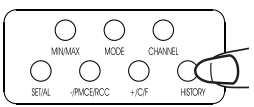


Barometric Pressure Trend

Barometric Pressure Graph

Arrow icons above the barometric pressure readings indicate if pressure is rising, falling, or steady.

The bar graph illustrates the current barometric pressure readings.



Press History to see Barometric Pressure over last 12 hours

Barometric Pressure History

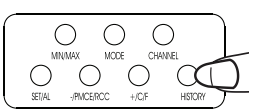
Press the "History" button on the back of the unit to see the barometric pressure readings for the past 12 hours. The icon indicates which hour history is displayed (1 hour ago, 2 hours ago, etc.).

History Hour Icon

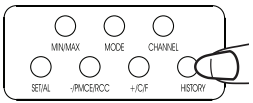
The bar graph illustrates the pressure history information.

To return to the current barometric pressure readings, press "History" until the hour icon is "0".

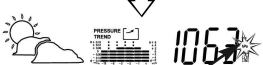
Please note: until there are 12 hours of history readings, some history hours will show dashes.



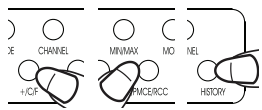
Press History until Hour Icon is "0". Current readings return.



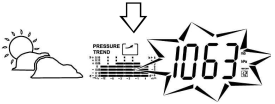
Press and hold History to start altitude setting.



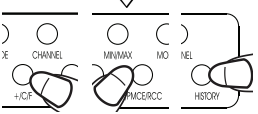
Pressure units.



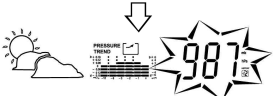
Press +C/F or -PMCE/RCC to select pressure units. Press History to select



Altitude digits flash.



Press +C/F or -PMCE/RCC to scroll through altitudes units. Press History to select.



Altitude digits.

Altitude is set.

For the most accurate barometric pressure readings, you should program your current Altitude into your WeatherGuide™. If the current altitude is unknown, one reference for altitude maps in the US is: http://www.ngdc.noaa.gov/mgg/topo/state.html.

To program altitude:

1. Press and hold the "HISTORY" button. The unit will beep. The "mb/hPa" and "inHg" icons flash.

2. Press "+C/F" or "-PMCR/RCC" to choose either "mb/hPa or "inHg" pressure displays. Press "HISTORY" to select. The altitude digits flash.

3. Press the "+C/F" or "-PMCR/RCC" buttons to scroll through preprogrammed altitude options. Press "HISTORY" to select.

4. The display will shortly return to the Barometric Pressure display. (Note: Both 'mb' and 'hPa' altitudes will be expressed in meters, while 'inHg' is expressed in feet.)

Comfort Level Readings

Your WeatherGuide™ combines temperature and humidity readings to determine an indoor comfort level. If the display shows WET or DRY conditions, you may wish to adjust indoor temperature or humidity conditions to reach a comfortable reading.

One of these Comfort Level icons will appear above the clock display:

COM Comfortable level, ideal range for both temperature & humidity

WET Air contains excess moisture

DRY Air contains inadequate moisture

Comfort level icon

Temperature Trend Indicators

Your WeatherGuide™ will indicate if temperatures are rising, falling, or steady.

indicates Rising Temperatures readings (temperatures have gone up more than 2 degrees in an hour)

indicates Steady Temperature readings

indicates Falling Temperatures (temperatures have gone down more than 2 degrees in an hour)

Temperature trending up

Humidity Trend Indicators

Your WeatherGuide™ will indicate if humidity levels are rising, falling, or steady.

indicates Rising Humidity readings (humidity has gone up more than 2 degrees in an hour)

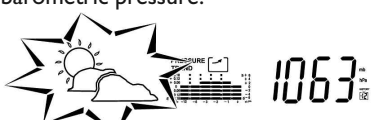
indicates Steady Humidity readings

indicates Falling Humidity (humidity has gone down more than 2 degrees in an hour)

Humidity trending up

12-24 Hour Weather Forecast

Your WeatherGuide™ will estimate weather conditions over the next 12 to 24 hours. These estimates are based on altitude and changes in barometric pressure.



Weather Icons

One of these weather icons will appear at the top of the display:

Sunny

Becoming Cloudy

Cloudy

Rain

Stormy

Snowy

Snowstorm

Moon Phase and Tide

The Moon phase will automatically display according to the current calendar. Tide levels will display as High, Medium or Low based on the current Moon Phase.

Moon phase Icons

New Moon - The Moon's dark side is facing the Earth. The Moon is not visible (except during a solar eclipse).

Waxing Crescent - The Moon is partly lit by direct sunlight. The moon's visibility is increasing.

First Quarter - One-half of the Moon is lit. The moon's visibility is increasing.

Waxing Gibbous – The moon is more than half-lit. The moon's visibility is increasing.

Full Moon - The Moon's lit side is facing the Earth. The Moon appears to be fully illuminated.

Waning Gibbous - The moon is more than half-lit. The moon's visibility is decreasing.

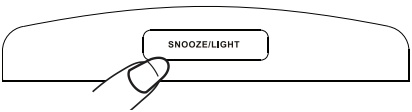
Last Quarter - One-half of the Moon is lit. The moon's visibility is decreasing.

Waning Crescent - The Moon is partly lit by direct sunlight. The moon's visibility is decreasing.

The cycle will repeat with a New Moon.

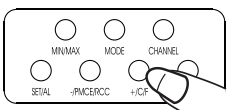
Backlight Feature

The base unit has a backlight for easy viewing of the screen. Press the "Snooze/Light" button to turn the backlight on for 3 seconds.



Press SNOOZE/LIGHT for a 3 second backlight

To Switch Between °F and °C



Press the "+C/F" button to switch between Fahrenheit and Celsius temperature displays.

Press +C/F to switch between °F&°C

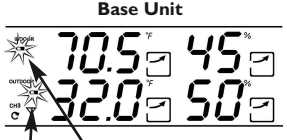
Low Battery Indicator

A on the LCD indicates the batteries are running low and should soon be replaced.

- A by the indoor temperature display indicates the base unit batteries are low.

- A by the outdoor temperature display or on the remote sensor indicates the remote batteries are low.

Base Unit



Base unit batteries low
Remote sensor batteries low

Remote Sensor

Remote sensor batteries low

Trouble-Shooting

Disconnected Signals

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

1. Check that the remote is properly positioned, within the appropriate transmission range. Transmissions are vastly affected by 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.
2. Check to make sure the transmission path is clear of obstacles and interference.
3. 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 the Power Sources section of this manual.)
4. Press the "Tx" button in the battery compartment of the remote to send a transmission signal to the base unit.
5. Press and hold the "Channel" button on the back of the base unit. This will clear the channel setting and the base unit will begin searching for remote sensor transmissions. Press the "Tx" button in the battery compartment of the remote to send a transmission signal to the base unit.
6. 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 will not appear on the remote LCD. When the temperature rises above 32°F / 0°C the display will begin to function normally again.

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.

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.

Problem Solving

1. If the LCD readout is faint, replace the batteries.
2. If outdoor temperature does not display on the base unit:
   a) Remove and reinstall all batteries;
   b) Use fresh batteries ;
   c) Place the remote sensor closer to the base unit;
   d) Position the base and remote so that the transmission path is free of any obstacles, such as buildings, trees, etc. Try to have no more than 2 or 3 walls between the units.
3. The temperature sensors are manufactured to the accurate within plus or minus one degree, so 2 units placed next to each other may report different readings. This is a normal occurrence with digital sensors and should not be considered a defect.

Precautions

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. Do not mix Alkaline, carbon-zinc (standard) or Nickel-Cadmium (rechargeable) batteries. Do not dispose of batteries in fire. Batteries may explode or leak. Remove the batteries if the units will not be used for a long period of time.
7. Always read the instruction manual before operating this product.
8. Due to continuous product improvements, the displays shown in this manual may differ from the actual display.

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.

Specifications

Range of temperature measurement:
Receiver unit (indoor only): 14°F to 158°F (-10°C to 70°C)
Remote unit: -40°F to 158°F (-40°C to 70°C)
Indoor Humidity: 20% - 99% RH
Resolution: 0.1 degree for temperature, 1% for humidity
Temperature/Humidity trends – rising, falling or steady
Minimum/Maximum daily temperature/humidity records
Weather Forecast – 12-24 hour forecast graphics
Barometer with pressure trends, 12 hour history
Comfort Level Indicator: Wet, Comfortable, Dry
Atomic Clock with Alarm and Snooze
Moon Phase display
Low Battery Indicator
Channels: maximum of 3 remote sensors
Transmission: Max. 100 ft (30m) open area
Power: Adapter (included) or 2 AAA alkaline batteries (not included) for receiver unit and 2 AAA alkaline batteries for remote sensor (not included)

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, Suite A
Las Cruces, New Mexico 88001
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.

For additional product information, or warranty information in Canada or elsewhere outside the USA, please contact us through www.taylorusa.com.

Made to our exact specifications in China.

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