ULTIMETER® WIRELESS WEATHER DISPLAY

OWNER'S MANUAL

TABLE OF CONTENTS

I. INSTALLATION AND SET-UP

Using the following sequence, apply power to your system. Refer the wiring diagram on the next page.

1. Plug one end of the transmitter cable into the side port of the source keyboard. Plug the other end into the transmitter. Select "Complete Record Mode" data output by pressing and holding ⌐O⌐ and 🔧 ON THE SOURCE KEYBOARD for 3 seconds. The source keyboard must first be operating (power on) to select data output mode.

2. Plug the AC adapter cable into the back of the receiver keyboard. Connect the AC adapter into an AC outlet. In 110 volt systems, be sure to use the 3-prong AC adapter and a properly grounded 3-prong outlet. After 2 or 3 seconds, the liquid crystal screen will come on, displaying the clock symbol, "12:00" and the compass rose for wind direction, as shown below.
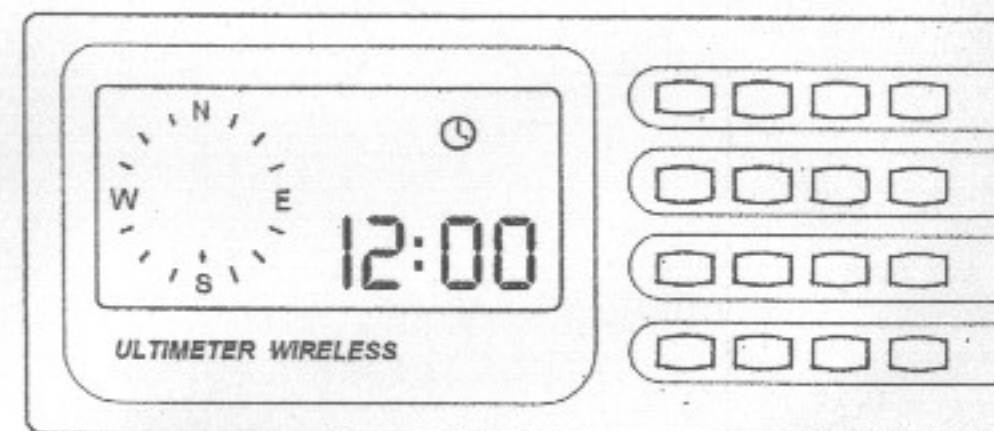
After about five more seconds, the wireless receiver keyboard will begin displaying weather data from the source keyboard.

3. Install a fresh 9 volt back-up battery (not included) at this time, in order to preserve any settings or adjustments that you make while installing the system.

The back-up battery compartment is located on the lower right side of the keyboard/display unit. To open the compartment, slide the cover in direction of arrow. Insert a 9-volt battery, with the + and - terminals oriented as shown in the diagram on the back of the keyboard housing. Replace the cover.

4. Press ⌐O⌐ and 🔔 simultaneously to initiate the battery check function. In a few seconds, the flashing battery symbol should go out.

WIRING DIAGRAM

Connect components by plugging cables into receptacles as shown.

Wireless Receiver
Keyboard Display

Serial Data Output
for Optional Accessories

AC Adapter

Source
Keyboard Display

Transmitter

Transmitter
Cable

To Junction Box
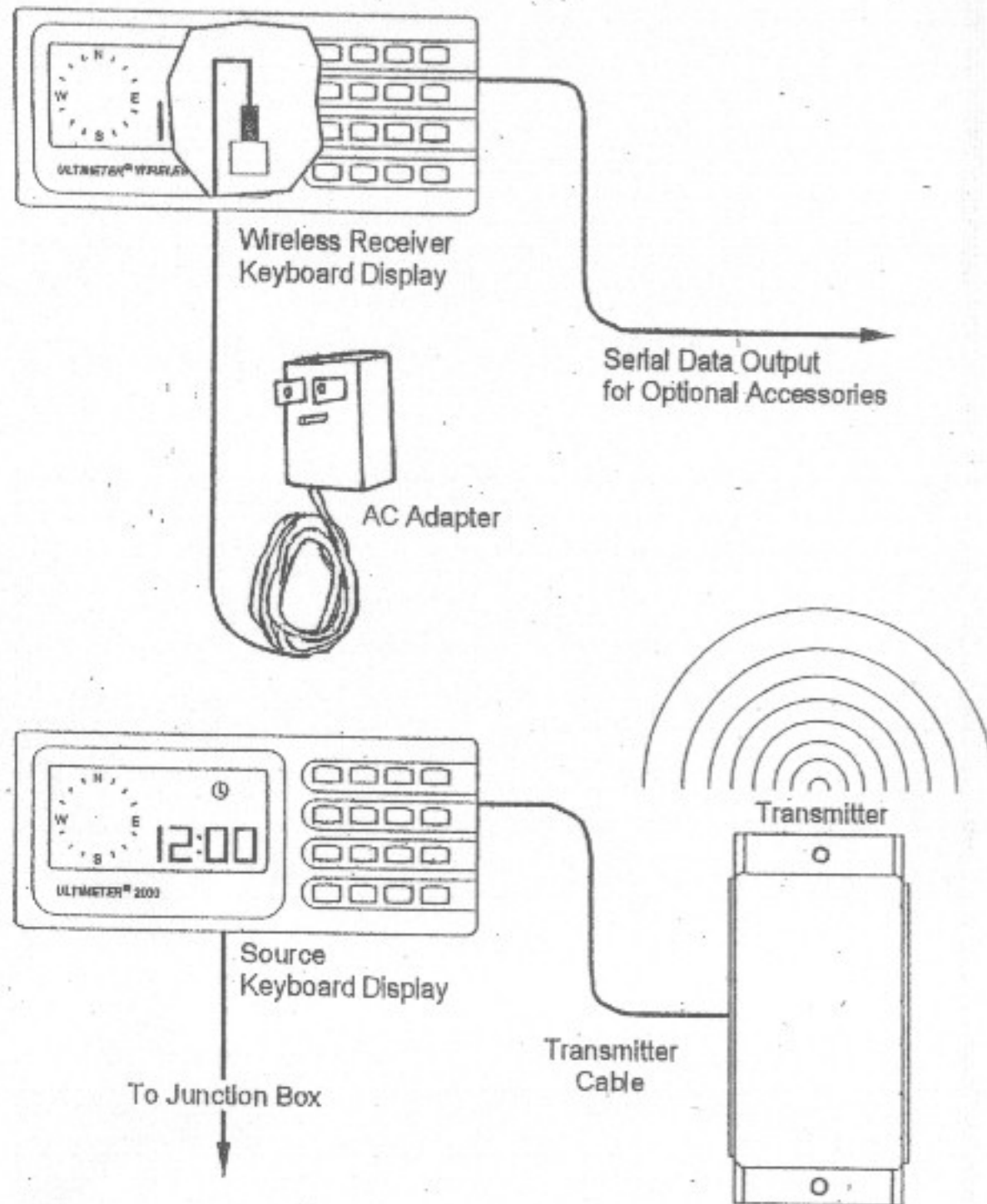
Installing the Keyboard/Display Unit

Desk or Shelf Mounting

1. Assemble the desktop stand as shown below.

2. Place the keyboard/display unit on the stand so the two alignment pins on the stand fit firmly into the matching holes on the back of the instrument.
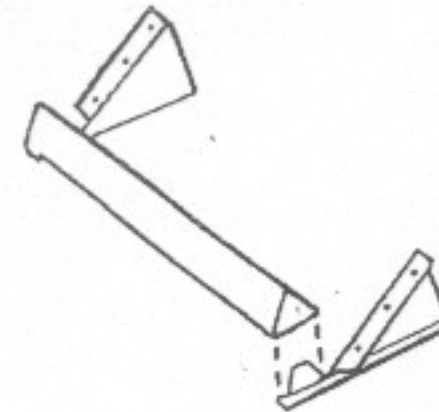
3. Secure the Keyboard/display unit to the stand, using the two screws provided.

4. Insert the plug of the junction box cable into the back of the control panel. Be sure it "clicks" into place.

5. Position the assembled unit as desired.

Wall Mounting

1. Drill two pilot holes 5 in. apart for the supplied wood screws or supplied drywall anchors. Mount at a height slightly above eye level for best viewing angle.

2. Install the screws, leaving them about 1/8 in. out from the wall.

3. Plug the AC adapter cord into the back of the receiver keyboard/display, and insert the cable into the groove provided.

4. Hang the receiver keyboard/display unit from the two projecting screws.

Installing the Transmitter Box

1. Drill two pilot holes 3-1/2 in. apart at the desired mounting location.

2. Mount the transmitter box; use wood screws (provided) for a wooden wall or drywall anchors (provided) for a sheet rock wall.

3. Plug in transmitter cable from the source keyboard/display.

II. DISPLAYING WEATHER DATA

ABOUT THE KEYBOARD

There are ten "data keys", each identified by a symbol as shown below:

WIND SPEED	WIND CHILL	TEMP	RAIN	BAROMETER

INDOOR	HUMIDITY	DEW POINT	TIME	DATE

In addition, there are six "utility keys", each identified by a symbol as shown below:

SCAN	LAMP	CLEAR	ALARM	DOWN	UP

TO DISPLAY WIND DIRECTION

After installation, the *ULTIMETER WIRELESS* will constantly indicate the prevailing wind direction on its 16 point compass rose. The system minimizes confusing "jitters" by ignoring momentary direction changes that occur during transient wind gusts. It also avoids erroneous readings, by "locking" the wind direction display when there is no wind, i.e. when the cups are not spinning. Therefore, in order to test or demonstrate the wind direction function, you must spin the cups. You'll find it is best to blow somewhat steadily on the cups, rather than abruptly spinning the anemometer rotor with your fingers.

TO DISPLAY WIND SPEED, WIND CHILL, TEMPERATURE, BAROMETRIC PRESSURE, HUMIDITY, DEW POINT, TIME, OR DATE

Press and release the desired data key: [⊹], [⊹↕], [↕], [⊥], [↟H],
[d.p.], [☉], or [▦]. The corresponding symbol will appear on the screen and the current data value will be displayed.

NOTE: When you press [↕] or [↟H], the instrument will display the outdoor temperature or outdoor humidity.

TO DISPLAY INDOOR TEMPERATURE OR INDOOR HUMIDITY

a) Press and release [↕] to display outdoor temperature or [↟H] to display outdoor humidity (OPTIONAL SENSORS REQD).

b) Next, press and release [⌂] to change display from outdoor reading to indoor reading.

TO DISPLAY 3-HOUR CHANGE IN BAROMETRIC PRESSURE

a) Press [⊥] and [☉] simultaneously. The barometer and clock symbols will appear in the display, and the reading will be the change in barometric pressure measured over the last three hours. This reading is updated every 10 minutes.

AUTOMATIC STORM ALERT
If the pressure has fallen more than 0.18 inches of mercury over the last 3 hours, the ⊥ symbol will flash rapidly in the display. The storm alert is updated every 10 minutes. If you desire an audible storm warning, use the Pressure Trend Alarm described elsewhere in this manual.

TO DISPLAY HIGHEST AND LOWEST READINGS

a) Press the desired data key to display the current value.

b) To display TODAY'S highest or lowest values, press [△] or [▽] once. The display will repeatedly cycle through today's date, today's high or low value, and the time at which it occurred.

c) To display YESTERDAY'S highest or lowest values, press [△] or [▽] a second time. The display will repeatedly cycle through yesterday's date, yesterday's high or low value, and the time at which it occurred.

d) To display the highest or lowest values SINCE LAST RESET ON THE SOURCE KEYBOARD, press [△] or [▽] a third time. The display will repeatedly cycle through: the date on which the high or low occurred, the highest or lowest value since last reset, and the time at which it occurred. This display mode is easily recognized by the flashing ▦ when the date is displayed.

NOTE: THIS USER-RESETTABLE HIGH/LOW MEMORY FUNCTION IS THE SAME AS THE HIGH/LOW MEMORY FOUND ON CONVENTIONAL WEATHER STATIONS THAT DO NOT RETAIN TODAY'S AND YESTERDAY'S HIGHEST AND LOWEST RECORDINGS.

NOTE: The *ULTIMETER WIRELESS* does not display a low wind speed value, simply because zero is normally the lowest wind speed measured.

TO DISPLAY RAINFALL

a) To display TODAY'S rainfall (since midnight), press [☂].

b) To display YESTERDAY'S rainfall (from midnight to midnight) press

[△]. The display will alternate between yesterday's date and yesterday's total rainfall.

c) To display the LONG-TERM ACCUMULATED rainfall (since you last reset this value to zero), press [△] again. The display will alternate between the date you last reset this total and the rainfall accumulation since that date.

TO CHANGE MEASUREMENT UNITS OR FORMAT

NOTE: The *ULTIMETER WIRELESS* is designed to minimize the chance of someone else accidentally clearing your data or changing your settings. That is why, in many of the procedures below, you must first display the value you wish to change, then press and hold a key for 3-4 seconds before settings are cleared or changed.

Use the procedure below to select: Wind Speed in mph, m/s, knots, or km/h; Temperatures in Fahrenheit or Celsius; Barometric Pressure in InHg, mmHg, mb, or hPa; Time in 12- or 24-hr format; Date in day/month or month/day format; Rainfall increments of 0.01 in, 0.25 mm, 0.1 in, 0.1 mm, or 2.5 mm according to your preference and the type of rain gauge you are using.

a) Press and release the desired data key: [✈], [🌡], [⬛], [🐾], [🕐], or [▥].

NOTE: Units for wind chill [✈🌡] and dew point [d.p.] will be the same as for temperature.

b) Press the same data key a second time AND KEEP IT PRESSED UNTIL THE DISPLAY CHANGES. Repeat this step until data is displayed in the desired units or format.

TO ADJUST TIME, DATE, AND LEAP YEAR SETTING

This instrument receives its time and date information from the source (transmitter) keyboard display. Adjustments of time and date must be performed on the source keyboard. Refer to your source keyboard Owner's Manual for instructions.

Automatic Scanning

The instrument can continually scan any of the following data at 5-second intervals:

Wind Speed	Today's Rainfall
Wind Chill	Time
Temperature (Indoor & Outdoor)	Date
Dew Point	Barometric Pressure
Humidity (Indoor & Outdoor)	3-Hr Pressure Change

To select data to be scanned:

1. Press [🔤] and keep it pressed until "SEL" (select) appears on display.

2. Press the data key of each function you wish to include in the scan. Remember to press [⌂] following [🌡] or [💧] if indoor temperature or humidity are desired.

3. Press [🔤] to end the selection process and start the scan.

To exit scan mode, press any data key.

To resume scanning, press and release [🔤].

ANSWERS TO A FEW MOST LIKELY QUESTIONS . . .

WHAT IS THE [💡] BUTTON FOR?

This button activates display backlighting, for viewing in a dark room. Pressing the button once turns backlighting on, and pressing it again turns it off. It's best to use backlighting only when needed. This will extend lamp life and assure most accurate indoor temperature readings. We recommend that you always turn off backlighting when not in use.

WHAT DOES THE BATTERY SYMBOL MEAN?

The battery symbol (not flashing) means the instrument is operating from battery power. Likely causes are a disconnected AC adapter, an AC power outage, or a faulty AC adapter.

WHAT DOES A FLASHING BATTERY SYMBOL MEAN?

The battery symbol will flash if the battery is weak, or if no battery has been installed. In operation, a flashing battery symbol indicates a weak battery in need of replacement. Your keyboard automatically performs a battery check daily. To perform a battery check manually, press [-O-] and [🔔] simultaneously to initiate the battery check function. In a few seconds, the flashing battery symbol should go out. If it does not, the battery should be replaced.

WHAT IS THE MODULAR 6 CONDUCTOR JACK ON THE SIDE OF THE CONTROL UNIT?

It is for sending weather data to a personal computer, Weather Picture, or other external device (see "Serial Port" section).

An optional Duplex Cable is required if you wish to supply data to two external devices at the same time.

III. THE *ULTIMETER WIRELESS* HIGH/LOW MEMORY SYSTEM

The *ULTIMETER WIRELESS* keyboard monitors and displays current data from eight different sensors (plus calculated wind chill temperature). It also maintains three memory banks for high and low records. The instrument will be most valuable to you if you understand the three memory banks:

TODAY'S HIGHS, LOWS, AND RAINFALL

At midnight each night, the *ULTIMETER* 2000 starts keeping track of high and low values, and rainfall, for the new day. At any time during the day, the instrument can tell you what the highest and lowest values have been, thus far in the day. "TODAY'S" high and low values are automatically maintained, and cannot be manually altered or reset.

YESTERDAY'S HIGHS, LOWS, AND RAINFALL

Each midnight the instrument moves TODAY'S highs and lows and rainfall into separate memory, now calling them YESTERDAY'S values. At any time in the following day, you can still retrieve yesterday's high and low values and rainfall - directly from the keyboard or remotely by phone, modem, or radio link. YESTERDAY'S values are automatically maintained, and cannot be manually altered or reset.

LONG TERM HIGHS, LOWS, AND RAINFALL

The third memory bank is extremely flexible. It keeps track of highest and lowest readings, and accumulated rainfall, since the last time you reset the stored value ON THE SOURCE KEYBOARD. You can individually reset any high or low value in this memory whenever you wish. For example, you may wish to keep close watch on a major storm by resetting the LONG TERM highest wind speed memory, or the LONG TERM rainfall total just before the storm hits, or even again during the storm.
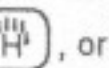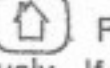
There is also a master reset that resets all of the LONG TERM stored values simultaneously. If you wish to track monthly highs and lows, just use the master reset (ON THE SOURCE KEYBOARD) at the beginning of each new month.

IV. ALARMS

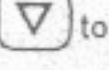The *ULTIMETER WIRELESS* includes the following 15 adjustable alarms: High Wind Speed, High Outdoor Temperature, Low Outdoor Temperature, High Indoor Temperature, Low Indoor Temperature, Low Wind Chill Temperature, High Barometric Pressure, Low Barometric Pressure, Rate of Pressure Change, High Outdoor Humidity, Low Outdoor Humidity, High Indoor Humidity, Low Indoor Humidity, Flash Flood Alert, and Time Alarm.

When an alarm setting is exceeded, the display flashes the alarm setting and a high-pitched alarm will sound. The sound will stop automatically after about 30 seconds, but the display will continue flashing until reset.

TO SET AN ALARM (other than Flash Flood Alert)

1. Select the function for which you wish to set an alarm by pressing (✛) , (✛‖) , (‖) , (⚖) , (⊞) , or (🕐) (for indoor temperature or humidity, next press (⌂) For 3-Hr Pressure Change Alarm, press (⚖) and (🕐) simultaneously. If you are setting an alarm for wind speed, wind chill, 3-hr pressure change, or time, skip to step (3).

2. This instrument has both a high and a low alarm for temperature, barometric pressure, and humidity. Press (△) to set a high alarm or (▽) to set a low alarm.

3. Press and release (🔔) to display the current alarm value.

4. Press and hold (△) or (▽) until the display changes, then press repeatedly until desired alarm setting is displayed.

NOTE: The 3-Hour Barometric Pressure Change alarm accepts either a "rising barometer" or a "falling barometer" alarm setting, but not both. Enter a negative alarm value for a falling pressure alarm, or a positive alarm value for a rising pressure alarm.

THE FLASH FLOOD ALERT

This instrument provides a rain rate alarm, intended for use where there is danger of local flooding or downstream flash flooding. Flash flooding can result when heavy rainfall occurs at higher elevation, and water rushes toward low-lying areas. The rain rate alarm warns that heavy rainfall has occurred, which could result in impending local flood conditions, or flash flooding within your vicinity (or possibly downstream, outside of your vicinity). Bear in mind that your success in predicting flash flooding depends upon many factors, in addition to rain rate: terrain, elevation, drainage, etc.

Before setting the flash flood alert, be sure to select rainfall units according to the type of rain gauge you are using.

The rain rate alarm is set in inches-of-rain or mm-of-rain per hour. An alarm will sound of a specified minimum amount of rain (called the threshold) falls at a rate equal to or greater than the rain-rate setting. The default threshold value is 0.5 in, or 12.7 mm.

EXAMPLE: If you set an alarm for a rain rate of 2 inches per hour, the alarm will sound if 0.5 inches of rain (the default threshold value) falls within 15 minutes, which equals an hourly rate of 2 inches per hour.

To adjust the Flash Flood Alert rain rate:

1. Press and release (⊞) .

2. Press $\boxed{\triangle}$. The rain, clock, and alarm symbols will appear in the display, and the present rain rate alarm setting will be displayed.

3. Press and hold $\boxed{\Delta}$ or $\boxed{\nabla}$ until a value is shown and begins to change. The rain rate can be adjusted from 0.1 in/hr to 10 in/hr in 0.1-in increments, or from 2.5 mm/hr to 254.0 mm/hr in increments of 2.5 mm/hr.

4. Press $\boxed{\Delta}$ or $\boxed{\nabla}$ repeatedly until the desired rain rate setting is shown.

To adjust the Flash Flood Alert threshold value:

1. Press $\boxed{\text{RN}}$ and $\boxed{\bigcirc}$ simultaneously. The rainfall and alarm symbols will appear in the display, and the present threshold value will be shown.

2. Press and hold $\boxed{\Delta}$ or $\boxed{\nabla}$ until the threshold value begins to change. The threshold value can be adjusted from 0.1 inch to 0.5 inch in 0.1-inch increments, or from 2.5 mm to 12.5 mm in increments of 2.5 mm.

3. Press $\boxed{\Delta}$ or $\boxed{\nabla}$ repeatedly until the desired threshold value is shown.

TO MOMENTARILY STOP AN ALARM FROM SOUNDING

With the alarm setting displayed, press the $\boxed{-O-}$ key. The alarm sound will stop temporarily. When you return to normal operation (displaying data), the alarm will sound again when the current value exceeds the alarm setting.

TO DISABLE AN ALARM

First, display the alarm setting. If the alarm has been triggered, the alarm setting will already be displayed.

Then, press and hold the $\boxed{-O-}$ key for at least three seconds. The display will flash three times, then read "OFF".

V. THE *ULTIMETER WIRELESS* SERIAL PORT

The *ULTIMETER WIRELESS* provides a unique serial port to facilitate computer data logging and remote data reporting via telephone, modem, or RF link. The following is a brief description, to provide an idea of the capabilities. Complete details are available to programmers upon request.

In Complete Record Mode, the instrument puts out a steady stream of records, about twenty per minute. Each record includes all current values, 3-hr barometric pressure change, today's high and low values, yesterday's high and low values, and long term high and low values, station calibration numbers, and current time and date.

> NOTE TO SERIAL PORT USERS: It is essential to make the correct Leap Year setting ON THE SOURCE KEYBOARD; otherwise, date data from the serial port may be incorrect.

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 the 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.

Notice: The changes or modification not expressly approved by Peet Bros. Company could void the user's authority to operate the equipment.

VI. IN CASE OF A PROBLEM

Your *ULTIMETER WIRELESS* is designed to provide years of trouble free operation. If data display is intermittent, try moving the receiver keyboard to another location, or closer to the transmitter. Also, metal barriers such as aluminum siding or garage doors, will block the signal from the transmitter. If the instrument completely stops operating, the cause is probably inadequate power due to a faulty ac adapter, a faulty connection to the adapter, or weak or missing battery when operating from internal power. To correct the problem, disconnect all batteries and external power, then reapply proper power.

If a problem persists, please write or call our Technical Service Department at (732) 531-4615, or visit our web site at www.peetbros.com. We will do everything possible to assure your satisfaction.

Repair and Exchange Service

Any defective *ULTIMETER WIRELESS* may be repaired or exchanged for a factory reconditioned instrument of the same type with like-new performance. Under warranty there is no charge. Beyond warranty the charges are modest, depending upon the condition of the instrument.

VII. SPECIFICATIONS

Barometric Pressure
Range: 931.3 to 1067.0 hPa/mbar
         27.5 to 31.5 inHg
         698.5 to 800.0 mmHg
Accuracy: ± 1.7 hPa/mbar
           ± 0.05 inHg
           ± 1.3 mmHg
      (at room temperature)

Outdoor Humidity (with optional sensor)
Relative Humidity Range: 0 to 100%
R.H. Accuracy: ± 5% of full scale
Dew Point: same units as temperature
Cable: 40 ft., 4-conductor w/modular plug

Indoor Humidity (with optional sensor)
R.H.: same as for Outdoor Humidity

Wind
Speed Range: 0 to 274 km/h
               0 to 170 mph
               0 to 76 m/s
               0 to 148 knots
Accuracy: ± 5 @ 274 km/h
               ± 3 @ 170 mph
               ± 2 @ 76 m/s
               ± 3 @ 148 knots
Direction: 16 point analog "compass rose" display
Cable: 40 ft., 4-conductor, unshielded w/modular plug

Outdoor Temperature (included)
Range:-   -55 to +150 degrees F.
          -48 to +66 degrees C.
Accuracy: ± 2 degrees F.
          ± 1 degree C.
Cable: 25 ft., 4-conductor w/modular plug

Indoor Temperature
Range:-   32 to 110 degrees F.
          0 to 43 degrees C.
Accuracy: ± 2 degrees F.
          ± 1 degree C.

Wind Chill
Range:-   -150 to +98 degrees F.
          -101 to +37 degrees C.

Rain (with optional sensor)
Units: inches, millimeters
Increments: 0.1", 0.01", 2.5mm, .25mm, 0.1mm
(user selectable to match rain gauge increments)

Control Unit
Size: 6-3/4" x 2-3/4" x 1-1/4"
Display: Backlit Liquid Crystal
Numeral Size: 3/8" high
Desk or Wall Mount

Junction Box
Has receptacles for external power and all outside sensors.
Built-in Static Electricity Discharge Protection
Size: 4" x 1-3/4" x 7/8"

Primary Power
AC adapter 9 v DC output

Back-up Power
Provision for 9-volt alkaline battery

Wireless Transmitter Range
Frequency: 916.5 MHz
Range: 100 feet (open air)

Optional Accessories
- Indoor Humidity Sensor
- Outdoor Humidity /Temperature Sensor
- Self-emptying Rain Gauges - several models available

Specifications necessarily subject to change.

VIII. AVAILABLE ACCESSORIES

We are continually developing new products and accessories to make your *ULTIMETER* Weather Station more interesting and valuable to you. Some of our most popular items are:
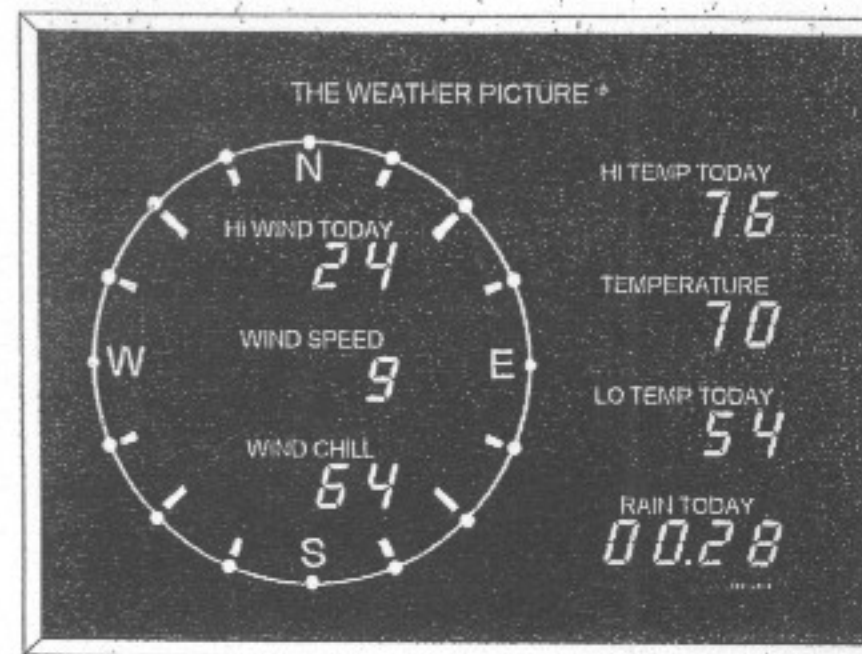
THE WEATHER PICTURE

Finally a *big* weather display you can read from across the room - and handsome enough for any setting. THE WEATHER PICTURE displays information it receives from an ULTIMETER Weather Station, continuously providing and updating all the vital weather data you have pre-selected, without having to press a single key.

Its 8" compass rose and large 0.8" illuminated red numerals are clearly visible, day and night. THE WEATHER PICTURE is **perfect for homes as well as schools, hotels, offices, country clubs, stores, marinas, corporate lobbies, ski lodges, emergency management stations, etc.** - any place needing up-to-the-second *local* weather data. Can be totally customized to display any of over 60 weather functions on each numeric display. Available in two sizes (11"x 15" or 10"x11") and in two frame styles (brushed aluminum or teak).

PC Data Logger

Special cable and software to record weather data on a personal computer. Features 4 simultaneous graphs of weather conditions over the last 20 hours, updated every five minutes. Or, you can display data from any selected part of the log file in graphic or tabular form.

For additional information about these or other accessories, please contact your *ULTIMETER* dealer or Peet Bros. Company. We'll be happy to advise you of latest developments and answer any questions you may have.

ULTIMETER® WIRELESS WEATHER DISPLAY

THE WEATHER PICTURE

WIRELESS TRANSMITTER/RECEIVER INSTRUCTIONS

PEET BROS. COMPANY
1308 Doris Avenue
Ocean, NJ 07712
(732) 531-4615

INSTALLATION AND SET-UP

Using the following sequence, apply power to your system. Refer the wiring diagram on the next page.

1. First, remove power from the WEATHER PICTURE by unplugging it from its AC adapter. Then, place the WEATHER PICTURE face down on a soft flat surface. Laying a soft towel down first is recommended to help prevent scratching the nameplate. Remove the back plate by removing the 8 screws (the large WEATHER PICTURE has 11 screws) using a small Phillips screwdriver. Unplug the existing Weather Picture cable and replace it with the Receiver Cable (black 8-conductor). Reinstall the cable strain relief and replace the back plate.

2. Plug one end of the transmitter cable (silver 4-conductor) into the side port of the source keyboard. Plug the other end into the transmitter. Select desired data output mode on the source keyboard ("Complete Record Mode" by pressing and holding ⊙ and 🐄 for 3 seconds, or "Data Logger Mode" by pressing and holding ⊙ and ✛ for 3 seconds). The source keyboard must first be operating (power on) to select data output mode. Refer to THE WEATHER PICTURE Owner's Manual for more information on selecting the proper data output mode for the weather functions you have selected for display.

3. Plug the other end of the Receiver Cable into the "DATA OUT" receptacle of the Wireless Receiver. Connect the AC adapter supplied with the Wireless Receiver (9v, 1-amp) into an AC outlet. Plug the AC adapter cord into the "DC IN" receptacle of the Wireless Receiver.

After about five seconds, the WEATHER PICTURE will begin displaying weather data received from the source keyboard via the wireless receiver.
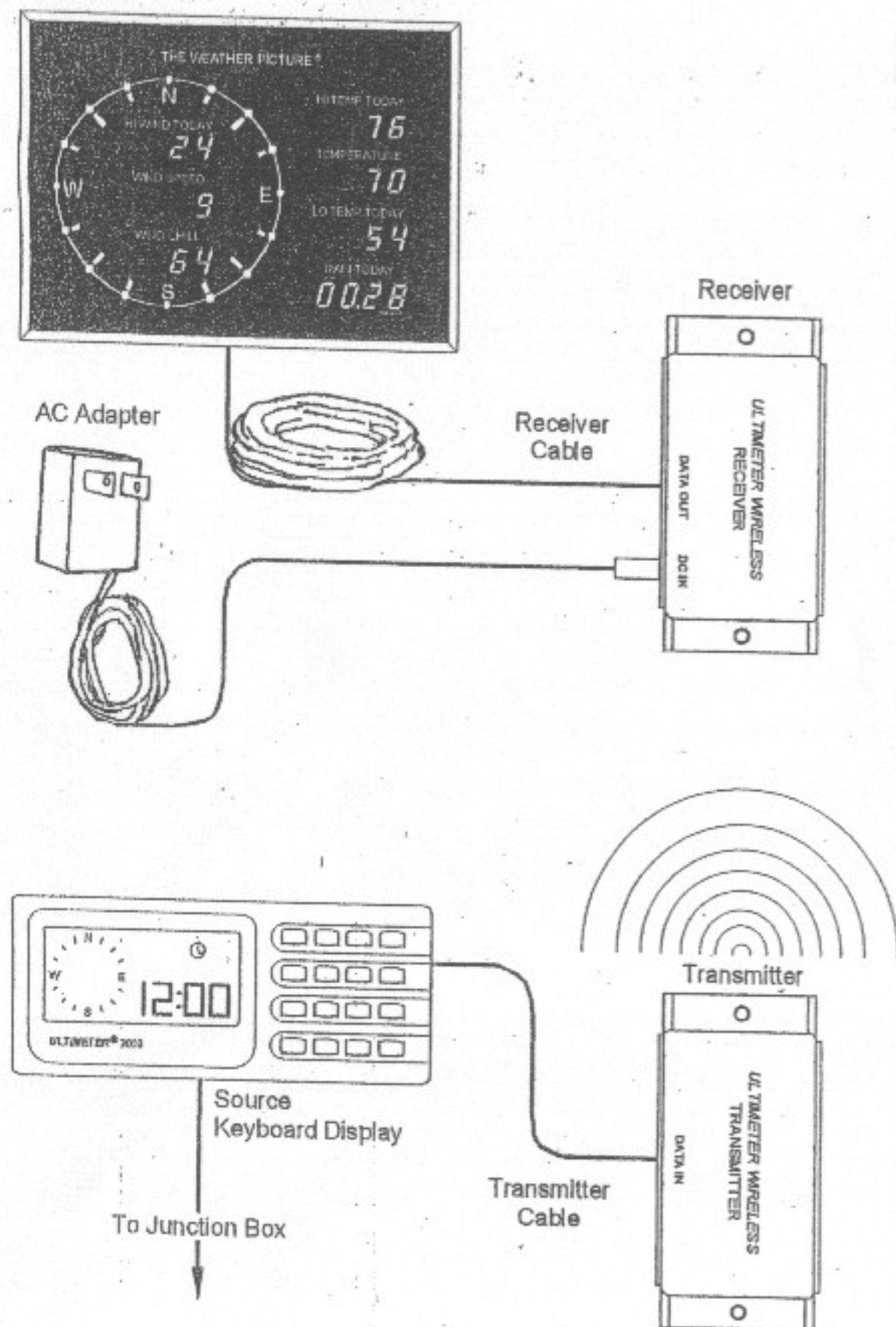
4. Move the transmitter and receiver locations as required for best reception, as verified by having continuous weather data readings (with no Error messages) on THE WEATHER PICTURE.

Installing the Transmitter Box and Receiver Box

1. Drill two pilot holes 3-1/2 in. apart at the desired mounting location.

2. Mount the transmitter or receiver box; use wood screws (provided) for a wooden wall or drywall anchors (provided) for a sheet rock wall.

WIRING DIAGRAM

Connect components by plugging cables into receptacles as shown.

AC Adapter

Receiver

Receiver Cable

ULTIMETER WIRELESS RECEIVER

DATA OUT

DC IN

Source Keyboard Display

To Junction Box

Transmitter Cable

Transmitter

ULTIMETER WIRELESS TRANSMITTER

DATA IN

FCC STATEMENT ON CLASS B

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 when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual nay 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 the 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.

Notice: The Changes or modification not expressly approved by Peet Bros. Company could void the user's authority to operate the equipment.

Wireless Transmitter & Receiver Specifications

Frequency: 916.5 MHz   Range: 100 feet (open air)
Power Supply: AC adapter 9v DC 1-amp output

IN CASE OF A PROBLEM

Your *ULTIMETER WIRELESS* system is designed to provide years of trouble free operation. If data display is intermittent, try moving the receiver keyboard to another location, or closer to the transmitter. Also, metal barriers such as aluminum siding or garage doors, may block the signal from the transmitter. If the instrument completely stops operating, the cause is probably inadequate power due to a faulty ac adapter, a faulty connection to the adapter, or a faulty cable connection. To correct the problem, disconnect all external power, check all cable connections, then reapply proper power.

If a problem persists, please write or call our Technical Service Department at (732) 531-4615, or visit our web site at www.peetbros.com. We will do everything possible to assure your satisfaction.

Repair and Exchange Service

Any defective *ULTIMETER WIRELESS* component may be repaired or exchanged for a factory reconditioned instrument of the same type with like-new performance. Under warranty there is no charge. Beyond warranty the charges are modest, depending upon the condition of the instrument.