American Marine is proud to introduce the **PINPOINT™ Wireless Thermometer**. Utilizing a radio wave signal, the remote sensor(s) will measure the temperature at the waterproof probe tip and send the information to the **PINPOINT** Temperature Display Monitor, which will display the temperature in **Fº** or **Cº** degrees. The **PINPOINT Wireless Thermometer** can accept a maximum of 4 remote sensors thus expanding the monitoring capability to 4 separate locations to be displayed on the same **PINPOINT** Temperature Display Monitor.

NOTE: The **PINPOINT Wireless Display Meter** is NOT waterproof and must be operated on a dry surface. Liquid contact with any of the printed circuit boards will cause corrosion and void warranty.

•<u>Set-up For a Single Remote Sensor</u>
1)Remove the battery compartment cover (Figure A) on the back of the **PINPOINT** Temperature Display Meter and insert 2 AAA batteries in the proper positions. Replace the cover.
2)On the front of the **PINPOINT** Temperature Display Meter, slide the top switch (Figure B) to the **ON** position then select to display either **Fº** or **Cº** with the middle switch (Figure C). When you see three minus signs flashing the meter is ready to receive a temperature signal.
3)On the back of the **Remote Sensor** carefully pry off the pop up stand (Figure E). Using the supplied screwdriver, remove the 4 philips head screws (Figure G) and lift off the battery cover. Insert 2 AAA batteries in the proper positions. Re-install the battery cover.
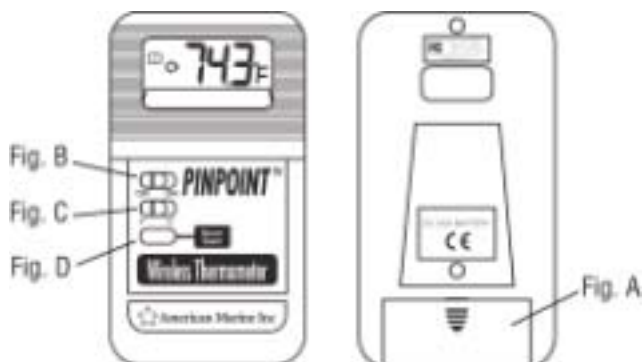The **Remote Sensor** will automatically send a signal to the display meter within 1 minute. The **PINPOINT** Temperature Display Meter will display the temperature of the #1 sensor. **Remote sensors** can transmit temperature signal as far as 100 feet (30 Meters) in optimum conditions. Transmitting distances through walls and other obstacles may reduce the effective range.

•<u>Using Additional Remote Sensors</u>
After the successful installation of **Remote Sensor #1**, you may now install additional remote sensors up to a maximum of 4, if desired. You can place another sensor to monitor heat inside your lighting, on the ballast or even put a sensor outside. On the back of **Remote Sensor #2** carefully pry off the pop up stand (Figure E). Using the supplied screwdriver, remove the 4 philips head screws (Figure G) and lift off the battery cover. Insert 2 AAA batteries in the proper positions. Re-install the battery cover. Within 1 minute **Remote Sensor #2** will automatically send a signal to the display meter and will be recorded as the #2 remote sensor. This process can be repeated for up to 4 remote sensors.

•**Display a Single Temperature Sensor** or
•**Scroll Function will Display all the Temperature Sensors**
By pressing the remote sensor button (Figure D) on the front of the **PINPOINT** **Display Meter,** you may display any one of the remote sensors or have the display cycle through all available remote sensors.
Each time you press the Sensor Select button, the display will move to the next available remote sensor. Its corresponding number will be shown on the left side of the display. Once you reach the last available sensor, the Scroll Function Indicator (Fig. J) will be shown and the display meter will begin to cycle through all available sensors.

<u>Please read "Important Points to Remember" printed on back</u>

PINPOINT ™
Wireless Thermometer®
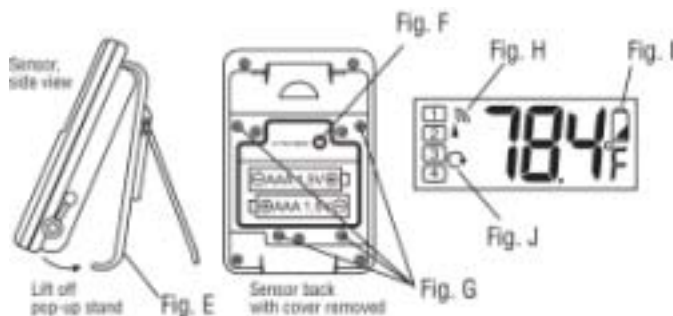
*includes 1 remote sensor

User's Guide

Also available:
•*PINPOINT™ ORP Monitor* (REDOX)
•Replacement *PINPOINT™* pH, ORP, Oxygen electrodes
•High Precision pH Calibration Fluids 4.00, 7.00, 10.00
•*PINPOINT™ Salinity Monitor*
•**PINPOINT II Oxygen Monitor**
•**PINPOINT Wireless Thermometer**
•**PINPOINT Remote Temperature Sensors**
•*PINPOINT™ pH Monitor*
•4 meter Oxygen Probe Extension Cord
•Teflon Membrane Caps and Electrolyte Fluid
•*PINPOINT™ Conductivity Monitor (Freshwater Hardness)*
•*110V Adapter Kit* for all *PINPOINT™* models
•*PINPOINT* pH Controller
•*PINPOINT* ORP (REDOX) Controller
•*PINPOINT* Calcium Monitor

Important Points to Remember

- *PINPOINT* **Wireless Thermometer** utilizes a remote sensor with a waterproof probe. This device has been fully tested and is in full compliance of FCC Part 15 Standards. FCC ID #Z9Z687000

- *PINPOINT* **Display Monitor** is <u>NOT</u> waterproof and must be operated on a dry surface. The *PINOINT* **Remote Sensor** is weather resistant but must not be submerged under water. Liquid contact with any of the printed circuit boards will cause corrosion and void the warranty.

- The *PINPOINT* **Remote Sensor** has a small red light on the front label that will blink only when the sensor is transmitting a temperature signal.

- When the *PINPOINT* **Display Meter** receives a temperature signal from the **Remote Sensor**, the tower icon (Fig. H) will blink on the LCD.

- Check the function of the sensor(s) occasionally by applying heat or cold to the sensor probe tip to observe that communication is maintained between the remote sensor and the display meter.

- When the batteries are replaced in the *PINPOINT* **Display Monitor,** or if the Display Monitor is turned off**,** the remote sensor(s) should be re-registered.

- When **--- Fº** appears on the display or if the temperature on the display is frozen; not reacting to a change in temperature, this indicates that the remote signal has been lost perhaps due to distance, etc. Re-register this sensor by pressing the sensor select button (Figure D) until the **---** begins to flash. Then remove the batteries from the remote sensor and reinstall the batteries to reregister the sensor.

- **Display Range**: -50 Cº to +70 Cº, -58 Fº to +158 Fº   **Resolution**: 0.1 Cº, 0.2 Fº
  Replace batteries in the *PINPOINT* **Temperature Display Meter** when the LCD display appears dim, approximately 18 months. Replace batteries in the **Remote Sensor** when the battery icon on the LCD display (Fig. I) appears empty, approximately 18 months.

- <u>**FCC Declaration of Conformity**</u>
  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
  2-This device must accept any interference received, including interference that may cause undesired operation.

Warranty

PINPOINT **Wireless Thermometer** ™ by American Marine Inc. is warranted to be free of defects in material and workmanship for a period of 2 years from date of sale.

PINPOINT **Wireless Remote Sensor** is warranted to be free of defects in material and workmanship for a period of 30 days from the date of sale.

Positive proof of purchase is required for warranty claim.

American Marine Inc. will not be liable for any costs of removal, installation, transportation charges, or any other charges, which may result in connection with a warranty claim.

American Marine Inc. will not be liable for any damage or wear to products or livestock caused by abnormal operating conditions, water damage, abuse, misuse, unauthorized alternation or repair or if the product was not installed in accordance with the printed operating instructions.

Any defective product must be sent freight prepaid with appropriate documentation supporting the warranty claim. Replacement or repair will be at the discretion of American Marine Inc.

American Marine Inc.
54 Danbury Road, Suite 172
Ridgefield, CT 06877 U.S.A.
www.americanmarineusa.com