

## PACKAGE CONTENTS

- 1 x Wireless Digital Thermometer (Receiver)
- 1 x Wireless Digital Remote Sensor (Transmitter)

## INTRODUCTION

Wireless Digital Thermometer and clock is capable of tracking temperature at four locations (1 indoor, 3 outdoor). When the Remote Sensor is mounted outside, the Digital Thermometer can display and track both indoor and outdoor temperature. The Remote Sensor records the temperature, then transmits the data through a radio frequency signal to the Receiver every 30 seconds (less frequently if the temperature is not changing). Both components have been developed for years of long-term operation when used in accordance with these instructions.

## BATTERIES INSTALLATION

### RECEIVER

Remove the rear cover of the Digital Thermometer (Receiver) and install two "AA" alkaline batteries in the orientation shown in the battery compartment. The LCD will show the indoor temperature and the time. Replace rear cover.

### REMOTE SENSOR

1. Loosen the four screws on the rear battery cover of the Remote Sensor (Transmitter) and remove battery cover. Install 2 "AAA" alkaline batteries in the orientation shown in the battery compartment.
2. After the batteries are installed, the Remote Sensor (Transmitter) will begin transmitting and automatically register to the Digital Thermometer (Receiver) after several minutes. However, you can also press the small button in the battery compartment (labeled TX) to register the Remote Sensor (Transmitter) to the Digital Thermometer (Receiver) immediately.
3. Replace battery cover and tighten the 4 battery screws. Make sure that the battery cover is fully tightened to assure a watertight seal.

## UNIT RESET

Remove the batteries from the unit and place them back will reset the unit automatically.

## MOUNTING THE REMOTE SENSOR (TRANSMITTER)

The Remote Sensor (Transmitter) is suitable for outdoor mounting (watertight) at a range up to 100ft from the Digital Thermometer (Receiver). **HOWEVER, THE UNIT SHOULD NOT BE MOUNTED IN A POSITION WHERE IT WILL BE SUBMERSED IN WATER, OR EXPOSED TO DIRECT SUNLIGHT OR NEAR OTHER SOURCES OF HEAT OR COLD (AIR CONDITIONER OR HEATING VENTS).**

The transmitting range can be affected by many factors including but not limited to external radio interference, obstructions in the line of sight between units, temperature, weather, and battery level. For best performance, place the Remote Sensor (Transmitter) as close as possible to the Digital Thermometer (Receiver).

1. Position the Remote Sensor (Transmitter) at desired outdoor location.
2. Test the Remote Sensor (Transmitter) at the desired location for 1 hour to see that the Digital Thermometer (Receiver) can detect and display the temperature from this remote location. The Digital Thermometer (Receiver) remote readings icons will display "--" for the temperature if the Remote Sensor (Transmitter) is not registered. In this case, move the Remote Sensor (Transmitter) and/or the Digital Thermometer (Receiver) closer together.
3. Mount the Remote Sensor (Transmitter) at the desired location using an appropriate screw.

## WIRELESS DIGITAL THERMOMETER LCD DISPLAY

The Digital Thermometer can be operated in the following modes:

MODE 1 Indoor Temperature and Clock	MODE 2 Outdoor Temperature and Clock	MODE 3 Indoor and Outdoor Temperatures

### BUTTONS AND FUNCTIONS

Front of unit:

Button	Description
MODE	Toggle between different display modes
MIN/MAX	Show maximum or minimum temperature
CH	Select Channel 1 or 2, delete current channel

Back of unit:

Button	Description
C/F	Toggle between Celsius or Fahrenheit temperature display
HR	Set clock hours
MIN	Set clock minutes

### DISPLAYING TEMPERATURE AND CLOCK MODES

The Wireless Digital Thermometer has three different display modes from which the user can choose.

MODE 1 shows the inside temperature and the clock.

MODE 2 shows the outside temperature and the clock.

MODE 3 shows the inside and outside temperature.

The unit will initially display MODE 1. Press the T/CLOCK MODE button to display MODE 2. Press it again to display MODE 3.

### MONITORING MULTIPLE REMOTE SENSORS

The Wireless Digital Thermometer (Receiver) can monitor up to three different Remote Sensors (Transmitters). Add-on Remote Sensors can be purchased separately.

If you have two separate Remote Sensors (Transmitters), you can select which Sensor's temperature transmission you wish to display by pressing the CHANNEL button. Pressing the channel button one additional time will cause the display to scroll between the various transmissions. Pressing the CHANNEL button again will stop this scroll function.

NOTE: Channels 2 and 3 will only display if the Wireless Digital Thermometer (Receiver) has registered a second and third Remote Sensor (Transmitter).

### SETTING THE CLOCK

The clock can be set using the Hours and Minutes buttons on the back of the unit.

### DISPLAYING MAXIMUM AND MINIMUM TEMPERATURES

The Wireless Digital Thermometer stores the maximum and minimum temperatures recorded at the location of the monitor and at the location of the sensor.

When the monitor is showing the indoor temperature, pressing the MAX/MIN button once will display the maximum temperature recorded. The display will show this for 3 seconds and then return to current conditions. Pressing the MAX/MIN button twice in sequence will display the minimum temperature recorded. The minimum and maximum temperatures will re-set every night at midnight.

### **DISPLAYING TEMPERATURES IN CELSIUS OR FAHRENHEIT**

The Wireless Digital Thermometer can display the temperature in Fahrenheit or Celsius.

To toggle between Fahrenheit and Celsius temperatures, press the C/F button located on the rear of the thermometer.

### **LOW BATTERY INDICATOR**

When either the Remote Sensor (Transmitter) or the Wireless Digital Thermometer (Receiver) begin to lose battery power, low-battery icons will appear in their respective lower left portion of the display. To maintain the registered channels, it is advised that the batteries in both units are replaced at the same time as specified in INSTALLING BATTERIES.

### **SPECIFICATIONS**

Power Source	: 3 VDC, AA/AAA cell
Battery Life	: 1 year with new AA/AAA alkaline cell
Temperature Range	:
Thermometer	: 14 °F to 122 °F (-10 °C to 50 °C)
Remote Sensor	: -58 °F to 158 °F (-50 °C to 70 °C)
Temperature Accuracy	: +/-2.1 °F (+/-1.5 °C)
Temperature Resolution	: 0.1 degree
Operational Range(**)	: <=100ft.
RF Channel (***)	: refresh to "---" if no signal received in 60 minutes
Frequency	: 433MHz
(*)	Alkaline batteries can freeze temporarily at temperatures below -20 °C. In this condition/the Remote Sensor (Transmitter) can not accurately transmit temperature information. This limits the effective minimum temperature for the Remote Sensor (Transmitter) to -20 °C (-4 °F).
(**)	The achieved range can be adversely affected by many factors including weather, temperature, radio interference, and obstacles in the line of sight between the Remote Sensor (Transmitter) and the Digital Thermometer (Receiver).
(***)	The two units may be too far apart, Position the Remote Sensor (Transmitter) and the Digital Thermometer (Receiver) closer together. Alternately/the Remote Sensor (Transmitter) batteries may need to be replaced and the channel reset.

### **REMARKS**

This product may need to be reset after electrostatic discharge.

## INSTRUCTION TO THE USER

This equipment has been tested and found to comply with the limits for a 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.
- \* 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.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.