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WIRELESS FRIDGE THERMOMETER

Instruction Manual



Part No. WTR001

CONTENTS

1. The Ambient Temperature Station (Figure 1)
2. The Remote Control Sensor and mounting bracket. (Figure 2)
3. 5 AAA 1.5V batteries.



4. 1x adhesive tape.
5. Instruction Manual.



(Figure 1)



(Figure 2)

QUICK SETUP

1. Insert three AAA batteries into the Ambient Temperature Station.
2. Insert two AAA batteries into the Remote Control Sender.
3. Wait 2-3 minutes, or until the outdoor temperature is displayed in the FRIDGE LCD of the Temperature Station.
4. Set the time.
5. Mount units.

(See complete instructions for details).

Note: The Remote Control Sender transmits a signal every 3 minutes. After the batteries have been installed, the Ambient Temperature Station searches for these signals for a duration of 3 minutes. If there is no temperature reading in the "FRIDGE" of the LCD after 3 minutes, make sure the units are within range of each other, or repeat battery installation process.

DETAILED SETUP GUIDE

I. BATTERY INSTALLATION

A. TEMPERATURE STATION

1. Remove the battery cover on the backside. To do this, push up and pull out.
2. Observing the correct polarity, install 3 AAA batteries.



3. Replace battery cover.
4. Wait 2-3 minutes or until both FRIDGE and AMBIENT temperatures are shown on the Ambient Temperature Station.
5. The Temperature Station should now show: "0:00" in the TIME LCD, and temperatures in the FRIDGE and AMBIENT LCD's.



B. REMOTE CONTROL SENDER

1. Remove the mounting bracket.
 2. Remove battery cover
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3. Observing the correct polarity, install 2 AAA batteries—make sure they do not spring free, or start-up problems may occur. Replace cover.

Note: When removing transmitter from freezer, remove batteries and await transmitter unit to return to regular ambient temperature. Then replace batteries before further use or placing back into the freezer.

2. TIME

A. SETTING THE TIME

1. Press and hold the MENU/SET button for 3 seconds. "24hr" will appear in the TIME LCD.
2. Use the MAX/MIN button to select either 12hr time (am/pm) or 24hr time
3. Press the MENU/SET button 2 times, the hour will flash in the upper left corner.
4. Press the MAX/MIN button to set the hours, press the MENU/SET button, and press the MAX/MIN button to set the minutes.
5. Press the MENU/SET button to activate the clock.

Note: When in 12hr mode, there is only a "PM" display, which appears under "TIME." If there is no display here it is AM. Make sure you set the time accordingly.

3. UNITS OF TEMPERATURE MEASURE

A. SELECTING UNITS OF MEASUREMENT

1. Press and hold the MENU/SET button for 1 second.
2. Press the MENU/SET button again. "°F" will appear in the TIME LCD.
3. Press the MAX/MIN button to shift between °F and °C.
4. Press the MENU/SET button twice to activate settings.

4. FEATURES

A. MINIMUM AND MAXIMUM TEMPERATURES

1. Press the MAX/MIN button. "MAX" appears in the temperature LCD's and the recorded maximum temperatures are displayed.
2. Press the MAX/MIN button to toggle to the minimum temperatures.

B. RESETTING THE MINIMUM AND MAXIMUM TEMPERATURES

1. To reset both the minimum and maximum temperatures—press and hold the RESET/+ button for 3 seconds.

5. MOUNTING

- A. Use as fridge thermometer: Place the Sender into fridge/freezer and avoid direct contact with the walls for accurate reading.
- B. Use as a normal thermometer: To achieve a correct temperature reading, avoid mounting in direct sunlight. We recommend that you mount the Sender on an outside north-facing wall. The sending range is 80ft; obstacles such as walls, concrete, and large metal objects will reduce the range. Place both units in their desired location before permanently mounting.

MOUNTING BRACKET

Remove the mounting bracket from the Remote Control Sender and mount with either screws or adhesive tape.

THE TEMPERATURE STATION

1. The Ambient Temperature Station comes with the table stand. Place the Ambient Temperature Station in an appropriate location when in use.
2. To wall mount, remove the table stand, pull down on the stand from the rear and rotate forward.
3. Fix a screw (not included) into the desired wall, and place the Temperature Station onto the screw using the hanging hole on the backside. Gently pull the Station down to lock the screw into place

TROUBLESHOOTING

Problem: Faint display on LCD

Solution:

- 1) Set the LCD contrast to a higher number
- 2) Replace batteries

Problem: Appearance of dashes or lines

Solution:

- 1) Remove the batteries and re-insert after 3 minutes

Problem: Failure to display ambient temperature

Solution:

- 1) Remove all batteries, reinsert into display first, and then sender.
- 2) Place remote sender closer to display.
- 3) Be sure all batteries are fresh.
- 4) Place Remote Control Sender and Temperature Station in position so the straight-line signal is not passing through more than two or three walls.

Problem: Temperatures do not match if units are placed next to each other.

Solution:

Each temperature sensor is manufactured to be accurate to plus or minus 1 degree under normal conditions, so the difference between two sensors could be as much as 2 degrees. However, the difference can be exaggerated further because the sensors are designed for different working environments. The indoor sensor is less responsive to ambient air currents because of the shielding effect of the display's case. In addition, the case can act as a heat sink to absorb and store heat from external sources (i.e. handling of the case or radiant heat). In addition, the much greater range of the ambient temperature sensor requires a different calibration curve than the indoor range. Error is usually greater at the extreme ends of a range, making it harder to compare different ranges with different curves. Under non-laboratory conditions, it is difficult to compensate for the above factors and obtain an accurate comparison.

MAINTENANCE AND CARE INSTRUCTIONS

- Extreme temperatures, vibration, and shock should be avoided to prevent damage to the units.
- Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casings.

- Do not submerge in water.
- Do not subject the units to unnecessary heat or cold by placing them in the oven or freezer.

Important:

Opening the casings invalidates the warranty. Do not try to repair the unit.

SPECIFICATIONS

Transmitting Frequency	433 MHz
Measuring Temperatures	
Temperature Station Ambient	32°F to 140°F with 0.2°F resolution (0°C to 60.0°C with 0.1° resolution)
Temperature Station: Fridge	-21.8°F to 157.2°F with 0.2°F resolution (-29.9°C to 69.9°C with 0.1° resolution)
Transmitting accuracy	+/- 2°F (+/-1°C)
Transmitting range	Maximum 25m(80 feet) open space.
Temperature check	
Ambient	Every 60 seconds
Fridge	Three times in 10 minutes
Batteries - (Alkaline recommended)	
Remote Sender	2 x AAA, 1.5V
Temperature station	3 x AAA, 1.5V
Dimensions: (LxWxH)	
Temperature station	2.75 x 0.92 x 4.25 in. (excluding table stand) (70 x 23.5 x 108mm)
Remote control sender	2.56 x 0.90 x 2.79 in. (65 x 23 x 71mm)
Battery life	Ranging from 1-10 months, varies subject to operating temperature

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