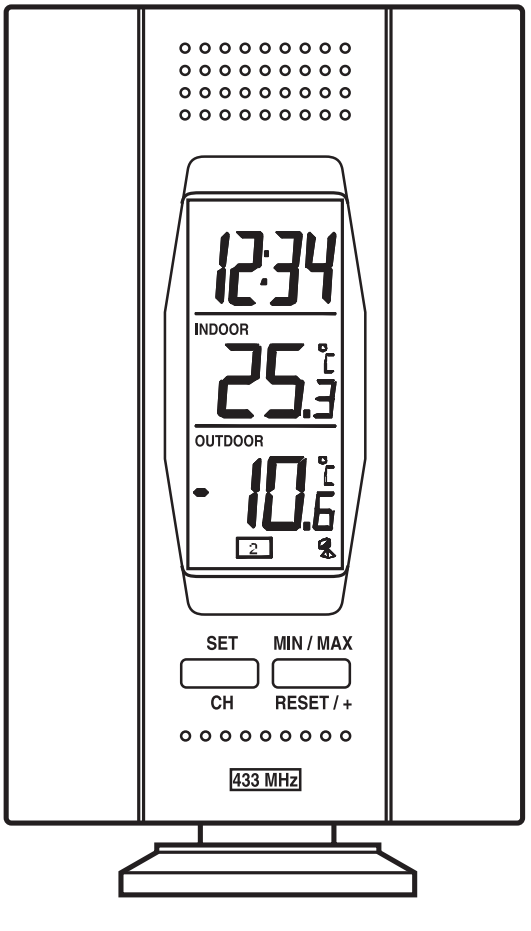
WS-7013U
Wireless 433 MHz
Temperature Station

Instruction Manual



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INVENTORY OF CONTENTS

1. The indoor temperature station (Figure 1)
2. The remote temperature sensor (TX6U) and mounting bracket (Figure 2)
3. (3) 1/2" Philips screws
4. One strip of double sided adhesive tape
5. Instruction Manual and Warranty Card
6. (2) AAA 1.5V batteries
7. (2) AAA 1.5V batteries

Figure 1

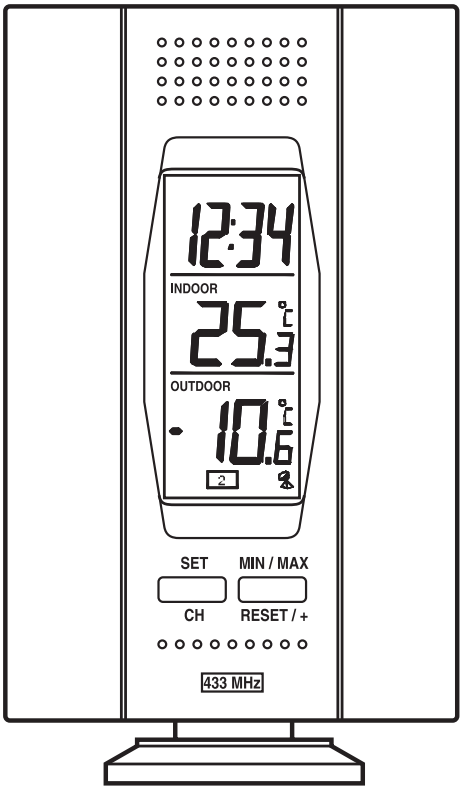
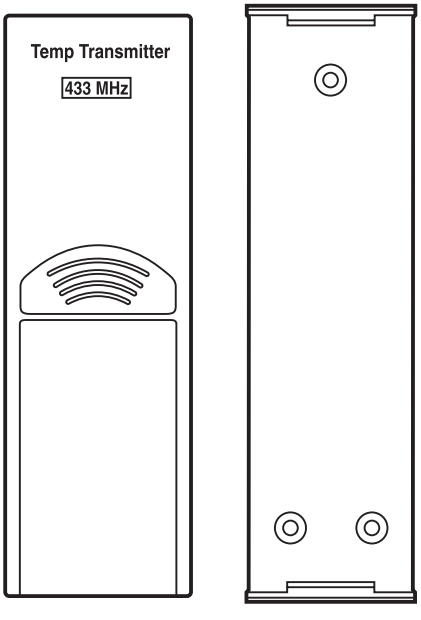


Figure 2



ADDITIONAL EQUIPMENT

1. Philips screwdriver (not included)

QUICK SETUP

Hint: Use good quality Alkaline Batteries and avoid rechargeable batteries.

1. Have the indoor temperature station and remote temperature sensor 3 to 5 feet apart.
2. Batteries should be out of both units for 10 minutes.
3. Place the batteries into the **remote temperature sensor** first then into the indoor temperature station.

   (All remote temperature sensors must be started before the indoor temperature station)
4. DO NOT PRESS ANY BUTTONS FOR 10 MINUTES.

In this time the indoor temperature station and remote temperature sensor will start to talk to each other and the display will show both the indoor and outdoor temperature. If the indoor temperature station does not display both temperatures after the 10 minutes please retry the set up as stated above. After both the indoor and outdoor temperatures are displayed for 10 minutes you can place your remote temperature sensor outdoors and set the time.

The remote temperature sensor has a range of 80 feet and should be placed in a dry, shaded area.

Any walls the signal will have to pass through will reduce distance. An outdoor wall or window will have 20 to 30 feet of resistance and an interior wall will have 10 to 20 feet of resistance. Your distance plus resistance should not exceed 80 feet in a straight line.

NOTE: Fog and mist will not harm your remote temperature sensor, but direct rain must be avoided. To complete the setup of your indoor temperature station after the 10 minutes have passed, please follow the steps below:

1. To set the time, press and hold the "SET" button for 5 seconds.

   Note: A "12h" or "24h" will appear on the top line. ("12h" for AM/PM, "24h" for military time)

   a. To change between "12h" and "24h" press and release the "*MIN/MAX*" button.

   b. When you have your choice shown on the display press and release the "*SET*" button once.

2. Degrees Fahrenheit will now show.

   a. To change between Fahrenheit and Celsius, press and release the "*MIN/MAX*" button.

   b. When you have your choice shown on the display press and release the "*SET*" button once.

3. The hour will now be flashing.
   a. Press and release the "*MIN/MAX*" button until the correct hour is shown.

   Note: When in the 12h mode "PM" is displayed under the word "TIME" during PM hours. During the AM hours this area will be blank.

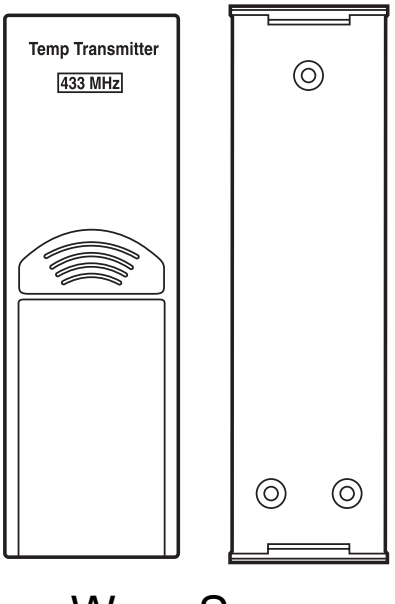
   b. When the correct hour is shown, press and release the "SET" button once.
4. The minutes will now be flashing.
   a. Press and release the "*MIN/MAX*" button until the correct minutes are displayed.

   Press and release the SET button once more to complete the setup.

DETAILED SETUP GUIDE

I. BATTERY INSTALLATION

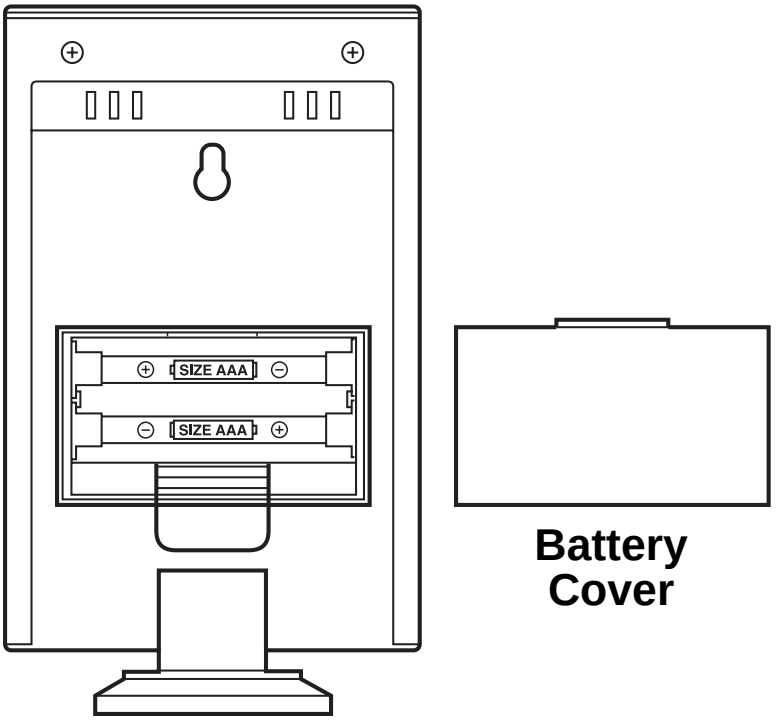
A. REMOTE TEMPERATURE SENSOR



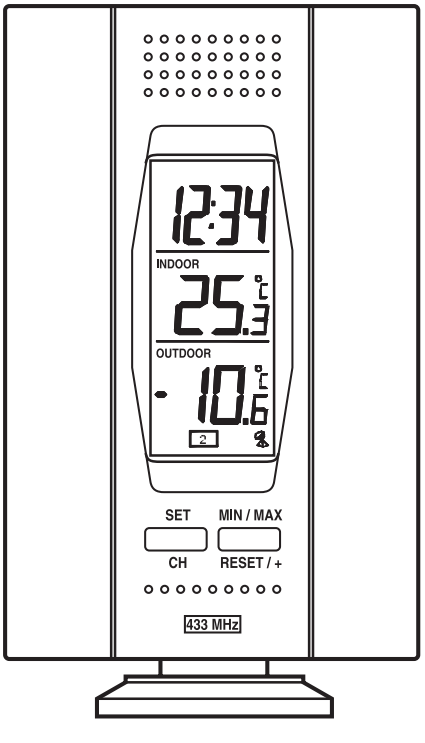
1. Remove the mounting bracket.
2. Remove the battery cover.
3. Observing the correct polarity, install (2) AA batteries—make sure they do not spring free, or start-up problems may occur. Replace the cover.

B. INDOOR TEMPERATURE STATION

Note: After the batteries are installed, **DO NOT** press any buttons. This may interfere with the signals, causing temperatures to register incorrectly.



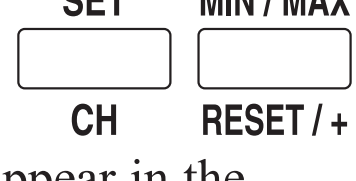
1. Remove the battery cover on the backside. To do this, push the cover upward and pull it out.
2. Observing the correct polarity, install (2) AAA batteries.
3. Replace the battery cover.
4. Wait 10 minutes or until both the indoor and outdoor temperatures are shown on the indoor temperature station.



5. The indoor temperature station should now show: "-:- -" in the TIME LCD, and temperatures in the INDOOR and OUTDOOR LCD's.

II. TIME

A. SETTING THE TIME



1. Press and hold the "*SET*" button for 5 seconds, "12h" will appear in the TIME LCD.
2. Press and release the "*MIN/MAX*" button to select either 12h time (am/pm) or 24h time.
3. Press and release the "*SET*" button 2 times, the hour will flash in the upper left corner.

4. Press and release the "*MIN/MAX*" button to set the hour.
5. Press and release the "*SET*" button to move to the minute setting.
6. Press and release the "*MIN/MAX*" button to set the minutes.
7. Press and release the "*SET*" button to activate the clock.

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

III. UNITS OF TEMPERATURE MEASURE

A. SELECTING UNITS OF MEASUREMENT

1. Press and hold the "*SET*" button for 5 seconds until "12h" or "24h" appears in the TIME LCD.
2. Press and release the "*SET*" button again, "°F" will appear in the TIME LCD.
3. Press and release the "*MIN/MAX*" button to shift between °F and °C.
4. Press and release the "*SET*" button twice to activate settings.

IV. FEATURES

A. MINIMUM AND MAXIMUM TEMPERATURES

1. Press and release the "*MIN/MAX*" button. "MIN" appears in the temperature LCDs and the recorded minimum temperatures are displayed.
2. Press and release the "*MIN/MAX*" button to toggle to the maximum temperatures. The time of occurrence of the value for outdoor temperature will also flash.

B. RESETTING THE MINIMUM AND MAXIMUM TEMPERATURES

1. To reset both the minimum and maximum temperatures—press and hold the "*RESET*/+" button for 4 seconds.

V. MOUNTING

Note: To achieve a true temperature reading, avoid mounting in direct sunlight. We recommend that you mount the remote temperature sensor on an outside North-facing wall. The sending range is 80 feet; obstacles such as walls, concrete, and large metal objects will reduce the range. Test the system by placing both units in their desired location

before permanently mounting.

A. REMOTE TEMPERATURE SENSOR

1. Remove the mounting bracket from the remote temperature sensor.
2. Mount using either screws or adhesive tape.
3. Reattach the remote temperature sensor to the mounting bracket.

B. THE TEMPERATURE STATION

1. The indoor temperature station comes with the table stand already mounted. If you wish to use the table-stand, all that is required is to place the indoor temperature station in an appropriate location.
2. To wall mount, remove the table stand. To do this, pull down on the stand from the rear and rotate forward.
   a) Fix a screw (not included) into the desired wall, and place the indoor temperature station onto the screw using the hanging hole on the backside. Gently pull the indoor temperature station down to lock the screw into place.

TROUBLESHOOTING

NOTE: *For problems not solved, please contact Oreck Customer Service at 1-800-989-3535.*

Problem: The LCD is faint

Solution: Replace batteries

Problem: No outdoor temperature is displayed.

Solution:

1) Remove all batteries, reinsert into remote temperature sensor first, and then into the indoor temperature station.
2) Place remote temperature sensor closer to the indoor temperature station.
3) Make sure all batteries are new.
4) Place remote temperature sensor and indoor 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, under normal conditions, to within 1 degree plus or minus and; so two temperature sensors could be as much as 2 degrees different. However, the difference can be exaggerated further because the temperature 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 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 outdoor 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 scratch 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.
- Opening the casings voids the warranty. Do not try to repair the unit.

SPECIFICATIONS

Transmitting Frequency	433MHz
Measuring Temperatures	
Indoor Temperature Station: Indoor	32°F to 156.2°F with 0.2°F resolution. (0°C to 69.0°C with 0.1°C resolution)
Remote Temperature Sensor: Outdoor	-21.8 °F to 156.2°F 0.2°F resolution. (-29.9°C to 69.0°C with 0.1°C resolution)
Temp accuracy	+/- 1°F (+/- .5°C)
Transmitting range	Maximum 80 feet (25m) open space
Temperature check	
Indoor	Every 10 seconds
Outdoor	Three times in 10 minutes
Batteries—(Alkaline recommended)	
Remote Temperature Sensor	2 x AA, 1.5V
Indoor Temperature Station	2 x AAA, 1.5V
Dimensions: (L x W x H)	
Indoor Temperature Station	2.75 x .92 x 4.3 in. (excluding table stand) (90 x 23.6 x 110 mm)

Remote Temperature Sensor	1.57" x 0.9" x 5.04" (40 x 23 x 128 mm)
Battery life	Approximately 1 year

WARRANTY INFORMATION

Oreck Corporation warrants the Indoor/Outdoor Clock and Weather Station (WS-7013U) free from defects in material and workmanship under normal, non-commercial use and service. Oreck will remedy any such defects if they appear within one (1) year from date of purchase. This warranty gives you specific legal rights, and you may have other rights, which vary, from state to state.

FCC ID: OMO-01RX (Receiver),

OMO-01TX (transmitter)

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 INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION**.

USA: 1-800-989-3535
CANADA: 1-888-676-7325

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