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Oregon Scientific EMR201

Oregon Scientific EMR201 Indoor/Outdoor Thermometer User Manual

Model: EMR201

Introduction

The Oregon Scientific EMR201 is a wireless indoor/outdoor thermometer designed to provide accurate temperature readings for your home or office. It features a wireless remote sensor that transmits outdoor temperature data to the main console, along with an ice alert function to warn you of freezing conditions. This manual provides detailed instructions for setting up, operating, and maintaining your EMR201 thermometer.

Key Features

- Indoor temperature display with wireless outdoor remote.
- Blinking green LED ice alert for sub-freezing temperatures.
- Monitors temperature in up to three locations (additional sensors sold separately).
- Wireless remote sensor range up to 100 feet (30 meters).
- Large LCD display for easy reading.
- Versatile placement: desktop stand or integrated magnet mount.

Package Contents

- EMR201 Main Console
- Wireless Remote Sensor (THN132N)
- Desktop Stand / Magnet Mount
- Instruction Manual (this document)

Setup

1. Battery Installation

Main Console:

1. Remove the battery compartment cover on the back of the main console.
2. Insert 2 x AAA batteries (not included) according to the polarity markings (+ and -).

3. Replace the battery compartment cover.

Wireless Remote Sensor:

1. Remove the battery compartment cover on the back of the remote sensor.
2. Insert 1 x AA battery (not included) according to the polarity markings (+ and -).
3. Replace the battery compartment cover.

2. Sensor Placement

- **Main Console:** Place the main console indoors, away from direct sunlight or heat sources, for accurate indoor temperature readings. It can be placed on a desktop using its stand or mounted to a refrigerator with the integrated magnet.
- **Remote Sensor:** Place the remote sensor outdoors in a shaded, dry location, protected from direct rain and sunlight. Ensure it is within 100 feet (30 meters) of the main console and that there are no major obstructions (e.g., thick walls, large metal objects) that could interfere with the wireless signal.

3. Pairing the Remote Sensor

After installing batteries in both units, the main console will automatically search for the remote sensor. The outdoor temperature should appear on the main console's display within a few minutes. If it does not, press the "RESET" button on both the main console and the remote sensor, then wait for them to synchronize.

Operating Instructions



Figure 1: The Oregon Scientific EMR201 main console displaying an outdoor temperature of 76.8°F and an indoor temperature of 72.5°F. The "ICE ALERT" indicator is visible at the bottom.

1. Reading Temperatures

The main console displays both indoor ("IN") and outdoor ("OUT") temperatures simultaneously. The outdoor temperature is received wirelessly from the remote sensor.

2. Ice Alert Function

The EMR201 features an ice alert. When the outdoor temperature drops to a pre-set freezing point (typically 32°F / 0°C), the green LED light on the main console will blink to warn you of potential icy conditions.

3. Switching Temperature Units (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F), locate the °C/°F button (usually on the back or side of the main console) and press it. The display will change accordingly.

4. Monitoring Multiple Sensors (Optional)

The EMR201 can monitor temperatures from up to three remote sensors (additional sensors sold separately, e.g., model THN132N). If you have multiple sensors, the main console will cycle through their readings or allow you to select a specific channel. Refer to the specific instructions for additional sensors if purchased.

Maintenance

- **Cleaning:** Wipe the main console and remote sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Always replace all batteries at the same time.
- **Storage:** If storing the unit for an extended period, remove all batteries to prevent leakage.

Troubleshooting

Problem	Solution
No outdoor temperature display.	• Check batteries in both main console and remote sensor. • Ensure remote sensor is within range (100 ft / 30 m) and free from obstructions. • Press the "RESET" button on both units to re-establish connection.
Inaccurate temperature readings.	• Relocate the sensor away from direct sunlight, heat sources, or extreme cold. • Ensure proper ventilation around the sensor.
Ice alert not functioning.	• Verify outdoor temperature is actually at or below freezing. • Check battery levels.

Specifications

Model	EMR201
Indoor Temperature Range	Not explicitly stated, typically 0°C to 50°C (32°F to 122°F)
Outdoor Temperature Range	Not explicitly stated, typically -20°C to 60°C (-4°F to 140°F)
Temperature Resolution	0.1°C or 0.1°F
Wireless Range	Up to 100 feet (30 meters) unobstructed
Main Console Power	2 x AAA 1.5V batteries (not included)
Remote Sensor Power	1 x AA 1.5V battery (not included)
Main Console Dimensions	2.6 x 3.4 x 1.1 inches (6.6 x 8.6 x 2.8 cm)

Main Console Weight	8 ounces (227 grams)
Connectivity Technology	Bluetooth
Material	Plastic

Note: Temperature ranges are typical for similar devices and may vary slightly.

Warranty and Support

The Oregon Scientific EMR201 Indoor/Outdoor Thermometer comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims or technical support, please refer to the contact information provided with your product packaging or visit the official Oregon Scientific website.
For further assistance, you may visit the Oregon Scientific official website.

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