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Geevon 23190

Geevon Indoor Outdoor Thermometer Wireless with 3 Remote Sensors User Manual

Model: 23190
Brand: Geevon

1. Overview

The Geevon Indoor Outdoor Thermometer provides accurate temperature and humidity readings for up to four different locations simultaneously. It features a large LCD display with backlight, comfort indicator, and temperature/humidity alert functions, helping you maintain a healthy living environment.



Figure 1.1: Main unit and three remote sensors included in the package.

2. Safety Information

Please read and understand the following safety precautions before using the device:

- The main unit and remote sensors must be placed within 60 meters (200 feet) of each other for optimal wireless communication.
- Ensure both units are positioned at least 1 meter (3 feet) away from electronic devices that may cause interference, such as televisions, microwaves, computers, or radios.
- Do not use heavy-duty or rechargeable batteries in the remote sensors. For low-temperature conditions, lithium batteries are recommended as alkaline batteries may not function properly.
- Avoid mixing old and new batteries, or different types of batteries.
- Prevent water or any other liquids from entering the sensor units.

3. Package Contents

Verify that all items are present in your package:

- 1 x Main Display Unit

- 3 x Remote Sensors
- 1 x USB Power Cable
- 1 x User Manual (this document)

4. Product Features

The Geevon Indoor Outdoor Thermometer offers a range of features for comprehensive environmental monitoring:

- **Accurate Readings:** Measures real-time temperature and humidity with high accuracy (±1°C for temperature, ±5% for humidity).
- **Multi-Sensor Support:** Connects to and displays readings from up to 3 remote sensors, allowing monitoring of 4 different locations (main unit + 3 sensors).
- **Large LCD Display with Backlight:** A 13CM (5-inch) display with clear, bold numbers. The backlight can be continuously on when powered by USB, or for 10 seconds when battery-powered.
- **Comfort Indicator:** Displays "DRY", "COM" (Comfort), or "WET" icons based on humidity and temperature levels, indicating indoor comfort conditions.



Figure 4.1: Comfort Indicator icons and their corresponding conditions.

- **Max/Min Records:** Tracks and displays the past 24-hour maximum and minimum temperature and humidity records.
- **Trend Arrows:** Indicates whether temperature and humidity are rising, falling, or remaining stable.
- **Temperature/Humidity Alerts:** Customizable high/low alert values with an audible alarm when thresholds are met.
- **Dual Power Supply:** Can be powered by USB cable (included) for continuous backlight or by 3 AAA batteries (not included) for portable use.



Figure 4.2: Power supply options for the main unit.

- **Multiple Placement Options:** Tabletop stand or wall-mountable design for flexible placement.



Figure 4.3: Various placement options for the main unit and remote sensors.

5. Setup Guide

5.1 Installing Batteries

For Remote Sensors:

1. Open the battery compartment cover on the back of each remote sensor.
2. Insert 2 AAA batteries (not included) into each sensor, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

For Main Display Unit:

1. Open the battery compartment cover on the back of the main unit.
2. Insert 3 AAA batteries (not included) into the main unit, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

Alternatively, connect the main unit to a USB power source using the provided USB cable for continuous backlight operation.

5.2 Pairing Sensors with Main Unit

The sensors and main unit should automatically pair upon battery installation. If pairing does not occur:

1. Ensure both the main unit and all sensors have fresh batteries installed.
2. Place the main unit and sensors close to each other (within 1 meter).
3. On the main unit, press and hold the "CH" (Channel) button for 3 seconds to initiate a search for sensors. The main unit will display "---" for the sensor channels while searching.
4. On each remote sensor, press the "TX" button (usually located inside the battery compartment or on the back) to send a signal to the main unit.
5. Once paired, the temperature and humidity readings for each channel will appear on the main unit's display.



Figure 5.1: Example placement of remote sensors for monitoring different areas.

6. Operation

6.1 Display Overview



Figure 6.1: Main display unit layout and indicators.

- **IN:** Indoor temperature and humidity (from the main unit).
- **1, 2, 3:** Remote sensor channels.
- **°C/°F:** Temperature unit.
- **%:** Humidity percentage.
- **Comfort Icon:** Indicates comfort level (DRY, COM, WET).
- **Trend Arrows:** Shows temperature/humidity trend (rising, falling, stable).
- **MAX/MIN:** Maximum and minimum recorded values.

6.2 Button Functions

Button	Function (Short Press)	Function (Long Press)
MEM	View MAX/MIN temperature/humidity records. Switch between °C and °F.	Clear MAX/MIN records.
ALERT	Activate/Deactivate temperature/humidity alerts.	Enter alert setting mode.
CH	Switch between remote sensor channels (1, 2, 3, or cycle).	Search for remote sensors.
LIGHT	Adjust backlight brightness (when USB powered). Turn on backlight for 10s (when battery powered).	N/A

6.3 Setting Temperature/Humidity Alerts

1. Press and hold the "ALERT" button for 3 seconds to enter alert setting mode. The high temperature alert value will flash.
2. Use the "MEM" button to adjust the value up or down.
3. Press "ALERT" again to confirm the high temperature and move to the low temperature alert setting.
4. Repeat for low temperature, high humidity, and low humidity alerts.
5. After setting all values, press "ALERT" one last time to exit setting mode.
6. To activate or deactivate the alerts, short press the "ALERT" button. An alarm icon will appear on the display when active.

7. Maintenance

- **Cleaning:** Wipe the main unit and sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and sensors when the low battery indicator appears on the display. Ensure correct polarity.
- **Storage:** If storing the device for an extended period, remove all batteries to prevent leakage. Store in a cool, dry place.
- **Sensor Placement:** For accurate outdoor readings, place remote sensors in a shaded, well-ventilated area, protected from direct sunlight and precipitation.

8. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or incorrectly installed. USB cable not connected or faulty.	Replace batteries, ensuring correct polarity. Check USB cable connection and power source.
Remote sensor readings are "---" or inaccurate.	Sensor out of range. Batteries low in sensor. Interference. Sensor not paired.	Move sensor closer to main unit (within 60m). Replace sensor batteries. Relocate units away from electronic interference. Re-pair sensor (see Section 5.2).

Problem	Possible Cause	Solution
Temperature/humidity readings seem incorrect.	Sensor exposed to direct sunlight, heat source, or moisture.	Relocate sensor to a shaded, well-ventilated area, away from direct heat or water. Allow time for readings to stabilize.
Backlight not staying on.	Unit is battery-powered only.	Connect the main unit to a USB power source for continuous backlight. When battery-powered, backlight stays on for 10 seconds.
Alert alarm not sounding.	Alert function is deactivated. Volume too low.	Short press the "ALERT" button to activate the alarm (alarm icon should appear). Ensure the environment is quiet enough to hear the alarm.

9. Specifications

Feature	Detail
Model Number	23190
Indoor Temperature Range	-10°C ~ 60°C (14°F ~ 140°F)
Outdoor Temperature Range	-50°C ~ 70°C (-58°F ~ 158°F)
Temperature Accuracy	±1°C (±1.8°F)
Humidity Range	20% ~ 95% RH
Humidity Accuracy	±5% RH
Wireless Frequency	433 MHz
Transmission Range	Up to 60m (200ft) in open air
Main Unit Power	3 x AAA batteries (not included) or USB cable (included)
Sensor Power	2 x AAA batteries (not included) per sensor
Product Dimensions (Main Unit)	1 x 12.5 x 13 cm (approx.)
Manufacturer	Geevon
Country of Origin	China

10. Warranty and Support

Geevon products are designed and manufactured to the highest quality standards. For warranty information, technical support, or any inquiries, please contact Geevon customer service:

- **Email:** support@geevon.com
- **Website:** Visit the official Geevon store on Amazon for more information and product updates: Geevon Amazon Store

Please have your model number (23190) and purchase details ready when contacting support.

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