

# ecowitt®



## Pool Thermometer

**User Manual**

**Model: WN36**



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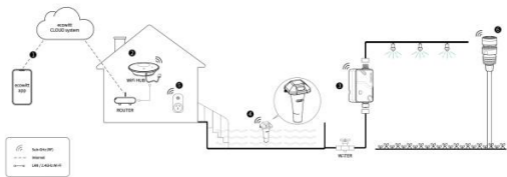
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## Package List

**1 x Pool thermometer WN36**

# 1 x User Manual

## Brief Introduction



**Figure 1 How Ecowitt Ecosystem works**

Thank you for choosing the Ecowitt WN36 Pool Thermometer.

The Ecowitt WN36 is a simple and reliable pool thermometer designed to accurately measure pool water temperature.

### **Key Features:**

- Pool thermometer with anchor.
- None opening design with ultrasonic body welding: IP68 waterproof.

- Minimum operating lifetime: 3 years.
- Selectable channel number: Up to 8 channels.
- Standby mode for further power reduction.
- Wireless Connectivity.
- Easy Installation.

Please note that the WN36 Pool Thermometer requires the Ecowitt gateway or console if you desire a remote monitoring feature.






# 1. Configuration

## 1.1 Compatible gateways

Prepare a gateway that has been added to Ecowitt, and ensure the frequency matches. The compatible models are listed in the table below.

The models listed in Table 1 support both data receiving and display, while the models listed in Table 2 support data receiving only.



## Compatible Models

<b>Model</b>	<b>Picture</b>	<b>Max QTY</b>
HP2550		8
HP2560		8
WS2910		8
GW1200		8
WN1900/ WN1910		8

WS3900/ WS3910		8
WS3800		8
WN1980/ WN1920		8
WN1820/ WN1821		8
WH2660/ WH2680		8
HP3000		8

HP3500		8
WN2810		3

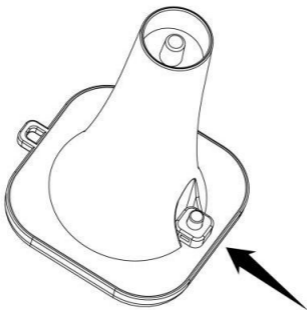
**Table 1 Compatible Models**

<b>Compatible Models(Receive only)</b>		
<b>Model</b>	<b>Picture</b>	<b>Max QTY</b>
GW1100		8
GW2000		8

**Table 2 Compatible gateway Models (Receive only)**

## 1.2 Powering up

### 1.2.1 Button



**Figure 2 Button**

## 1.2.2 Power up

Hold the button for 5s to wake the device up. The LCD screen will display the following four sections of content sequentially.

### 1.2.2.1 Display the model number "36" for 1s



### 1.2.2.2 Display the RF frequency, such as 920/915/868/433, for 2s.





### 1.2.2.3 Display the Sensor ID for 3s



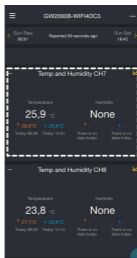
### 1.2.2.4 Full Display for 3s



After powering on the WN36, the gateway will generally receive and display the data.



**Figure 3 Displayed on console**



**Figure 4 Displayed on app**

If no data is received,

- (1) Check if the current channel matches.

Hold the button for 3s to view the current channel number of WN36. Verify if the gateway channel matches.

- (2) Check and enable the WN36 sensor ID.

Open the Ecowitt app and click on the gateway. Click on the '...' in the upper right corner, click on the sensor ID, find the WN36 sensor ID, and enable it.

**\*The Sensor ID can be found whenever the device is powered up. Refer to section 1.2.2.3.**

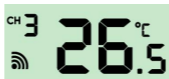
## 2. Mode

### 2.1 Normal mode

- Press to toggle between  $^{\circ}\text{C}$  or  $^{\circ}\text{F}$  temperature units.



- The RF icon in the bottom left corner will light up for 0.5s each time RF is transmitted.



- When the voltage drops below 2.44V, a low battery icon will appear in the top right corner.



- Hold for 3s to enter channel selection mode. The LCD screen will flash with the current channel number. Release and press to cycle between channels 1 and 8.



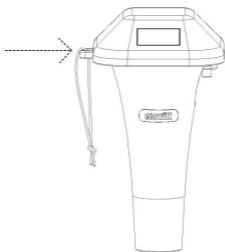
The channel setting will be terminated if left untouched for 10s.

## **2.2 Stand-by Mode**

Hold for 6s to force the device into stand-by mode:

the LCD and monitoring function will turn off, entering a state of minimum power consumption. Keeping the device in Standby mode for 6 months per year can extend the battery life to a minimum of 5 years.

### 3. Mounting



**Figure 5 Mounting Anchor**

Secure the WN36 Pool Thermometer using the Mounting Anchor.

## 4. Specifications

<b>Measurement</b>	Temperature
<b>Range</b>	-40°C to 60°C (-40°F to 140°F)
<b>Accuracy</b>	±0.5°C (±1°F)
<b>Resolution</b>	0.1°C (0.2°F)
<b>Power Supply</b>	2 x AA 1.5V battery (Built-in)
<b>Battery life</b>	Minimum 3 years on Normal Mode Minimum 5 years with Stand by Mode on for 6 months per year
<b>Dimensions</b>	85 x 85 x 115mm (L * W * H)
<b>RF Wireless Range</b>	Over 100 meters (in open areas)
<b>RF Connection Frequency</b>	920/915/868/433MHz (depending on local regulations)

## **5. Wireless Connection**

It will be significantly different when the sensor is floating on water and there are objects in between. If possible, please park the sensor in a sightseeing location from your receiver. Something in the middle will significantly reduce the RF transmission distance. Please make proper on-site checks for sensor signal reception before parking the pool thermometer.

## **6. Warranty**

We disclaim any responsibility for any technical error or printing error or the consequences thereof.

All trademarks and patents are recognized.

We provide a 1-year limited warranty on this

product against manufacturing defects or defects in materials and workmanship.

This limited warranty begins on the original date of purchase and is valid only on products purchased and only to the original purchaser of this product. To receive warranty service, the purchaser must contact us for problem determination and service procedures.

This limited warranty covers only actual defects within the product itself and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, or claims based on misrepresentation by the seller, or performance variations resulting from installation-related circumstances.

**Manufacturer:** Shenzhen Fine Offset Electronics Co., Ltd.

**Address:** 4/F, Block C, JiuJiu Industrial City, Shajing Town, Baoan District, Shenzhen City, China

## **7. Care and Maintenance**

To protect the environment and recycle and dispose of this product, please check the Internet or your local phone directory for local recycling centers and/or follow local government regulations.

## **8. Contact Us**

### **8.1 After-sales Service**

#### **Order Issues:**

If you encounter missing or incorrect shipments of Ecowitt products purchased, please contact the respective platform's customer service from the store where you bought the product for assistance.

#### **Usage Inquiries:**

Our product is continuously changing and improving, particularly online services and associated applications. To download the latest manual and additional help, and for any issues related to product usage, feel free to contact our customer support team at [support@ecowitt.com](mailto:support@ecowitt.com). We are committed to aiding and resolving any concerns you may have.

## 8.2 Stay in Touch

You can ask questions, watch setup videos, and provide feedback on our social media outlets. Follow Ecowitt on Discord, YouTube, Facebook, and Twitter.

