



WH0298 Temperature & Humidity Monitor
Indoor Temperature & Humidity Display
Console



Model: WH0298



<https://s.ecowitt.com/8SM437>

Contents

1. Introduction	2
2. Get Started	3
2.1 Parts List	3
2.2 Overview and size	4
2.3 Power up and initial set up	4
2.4 Display Layout	3
3. Console Operation	2
4.1 Normal Mode	2
4.2 CH Button	2
4.3 °C/°F Button	3
4.4 Wireless Signal Strength Indicator	3
4. Tips	3
5. Specifications	4
6. Care + Maintenance	6
7. Warranty Information	7
8. FCC	8
9. After-sales Service	11
10. Stay in Touch	12

1. Introduction

Thank you for purchasing the WH0298 Indoor Temperature & Humidity Display Console.

The WH0298 features a compact 3-inch LCD display for monitoring indoor temperature and humidity data. It can receive data from up to 8 wireless temperature and humidity sensors (Channels 1–8, sensors sold separately). Please note that this device is designed for data display only and does not support Wi-Fi connectivity.

The console cannot operate independently and must be paired with compatible sensors such as the WN30, WN31, WN31_EP, or WN36, with support for up to 8 sensors simultaneously.

To ensure the best performance and user experience, please read this manual carefully and retain it for future reference.

General Terms Used in the Manual

Display Console (Receiver): The indoor unit that receives and displays temperature and humidity data. In this manual, "the console" refers to the WH0298 display console.

Transmitter (Sensor): The wireless temperature/humidity sensor that transmits data to the console. Sensors are sold separately and are not

included in the package. The console supports up to 8 sensors (channels 1–8).

RF: Radio Frequency. Refers to the ISM and SRD SubG frequency bands below 1 GHz used for communication between the console and its sensors. This frequency is not the same as 4G modem (LTE) or Wi-Fi. Typical ISM/SRD frequencies are 915 MHz (Americas), 868 MHz (Europe), 433 MHz (worldwide), 920 MHz (Japan, Korea).

2. Get Started

2.1 Parts List

Item	Qty
WH0298 Display Console	1
User Manual	1

Table 1

Note:

- Sensors are not included and must be purchased separately. The console supports up to 8 sensors (channels 1–8).
- Battery (1 × AA) not included.

2.2 Overview and size

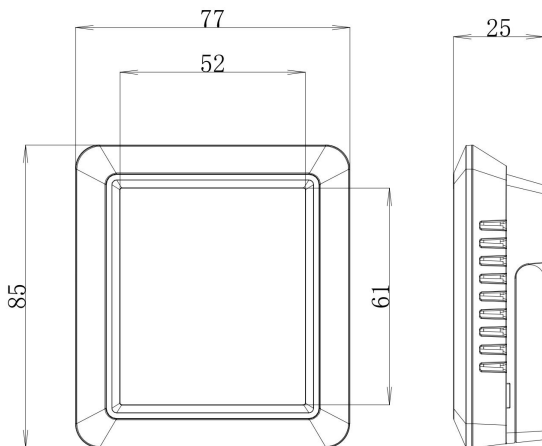
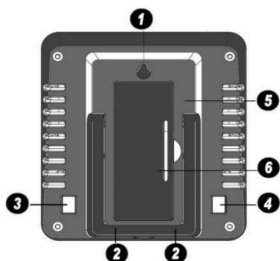


Figure 1

2.3 Power up and initial set up

1. Remove the battery door on the back of the display, as shown in Figure 2.



1. Integrated Hanging Hole
2. Tabletop Stand
3. CH Button: Switch Channel
4. °C/°F Button: Switch °C/°F
5. Battery Compartment
6. Battery Compartment Cover

Figure 2

2. Insert one AA (alkaline, lithium or rechargeable) battery in the battery compartment.
3. All of the LCD segments will light up for a few seconds to verify all segments are operating properly.

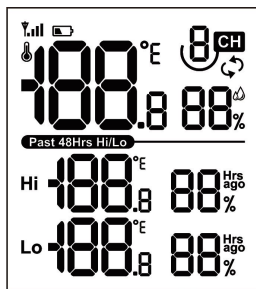


Figure 3

3. There are 1s display device info after full display:

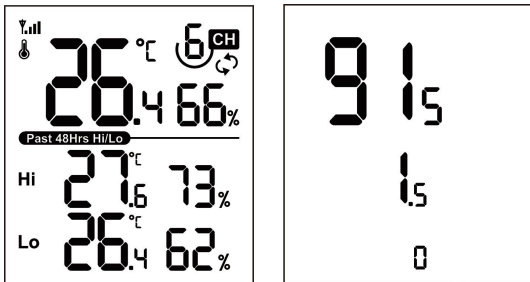


Figure 4

No.	Description
①	Radio frequency (RF)
②	Firmware version
③	Default: 0

Table 2

Note:

- Different package versions may have different info displayed.

4. Replace the battery door and fold out the desk stand and place the console in the upright position.

5. While in the search mode, the reception search

icon  will flash.

2.4 Display Layout

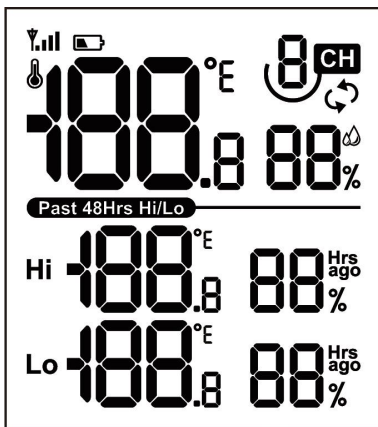


Figure 5

No.	Display Item
①	RF Signal
②	Current Temperature
③	Channel
④	Humidity
⑤	Past 48 Hrs Hi/Lo

No.	Display Item
⑥	Maximum Temperature
⑦	Minimum Temperature
⑧	Maximum Humidity
⑨	Minimum Humidity

Table 3

3. Console Operation

Note: Default is normal mode when non-operation over 15s. "**Hold key**" means hold the key until some change on display, but no more than **5s**.

4.1 Normal Mode

4.2 CH Button

Short **Press [CH]**: Choose channel between 1 to 8, or auto recycling between 8 channels.

Hold **[CH]** (up to 5s): Reset current channel data and start to search for sensor data again. In recycle mode, search for all sensors.

4.3 °C/°F Button

Short Press [°C/°F]:

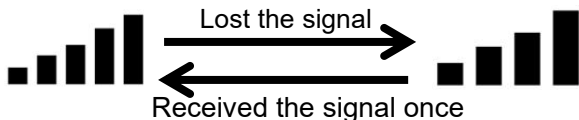
Switch temperature unit between °C and °F.

Hold [°C/°F] (up to 5s):

Reset Hi/Lo with current reading.

4.4 Wireless Signal Strength Indicator

During synchronization, the indicator decreases by one segment if a signal is missed once from the transmitter, and increases by one segment if a signal is received once.



4. Tips

- The console receives sensor data approximately once per minute.
- If no data is received, try resetting the current channel data by holding the [CH] button for up

to 5 seconds.

- To reset Hi/Lo values to current reading, hold the [°C/°F] **button** for up to 5 seconds.
- Ensure sensors are installed and transmitting data before operating the console.
- Place the console away from TVs, computer monitors, and other electronic devices to avoid interference.

5. Specifications

Model	WH0298
Name	Indoor Temperature & Humidity Display Console
Dimensions	77 × 85 × 25 (mm)
LCD Screen Dimensions	52 × 61 (mm)
Frequency	433 / 868 / 915 / 920 MHz
Channels	1–8 (up to 8 sensors)
Upload Interval	About 1 minute

Battery Life	Minimum 1 year
Power Supply	1 × AA battery (not included)

Table 4

6. Care + Maintenance

When batteries of different brand or type are used together, or new and old batteries are used together, some batteries may be over-discharged due to a difference of voltage or capacity. This can result in venting, leakage, and rupture and may cause personal injury.

- Do not mix Alkaline, Lithium, standard, or rechargeable batteries.
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Always replace the whole set of batteries at one time, taking care not to mix old and new ones, or batteries of different types.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from product during periods of non-use. Battery leakage can cause corrosion and damage to this product.

- Remove used batteries promptly.
- For recycling and disposal of batteries, and to protect the environment, please check the internet or your local phone directory for local recycling centers and/or follow local government regulations.

Manufacture: ShenZhenShi OuSaiTeDianZi YouXianGongSi

Address: Shajingjiedao, Xihuanlu, Minzhujiujiugongyecheng AQu,

C Dong 4 Ceng A, Shenzhen Baoanqu Guangdong 518101 CN

7. Warranty Information

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

All trademarks and patents are recognized.

We provide a 2-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, 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.

8. FCC

This device complies with part 15 of the FCC Rules.

Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance

could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

IC Caution:

English:

This device contains licence-exempt transmitter(s) /receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

French:

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

9. After-sales Service

Order Issues:

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

Usage Inquiries:

For any issues related to product usage, feel free to contact our customer support team at support@ecowitt.com. We are committed to providing assistance and resolving any concerns you may have.

10.Stay in Touch

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



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