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U-UNNI UN0582 Digital Wireless Thermometer

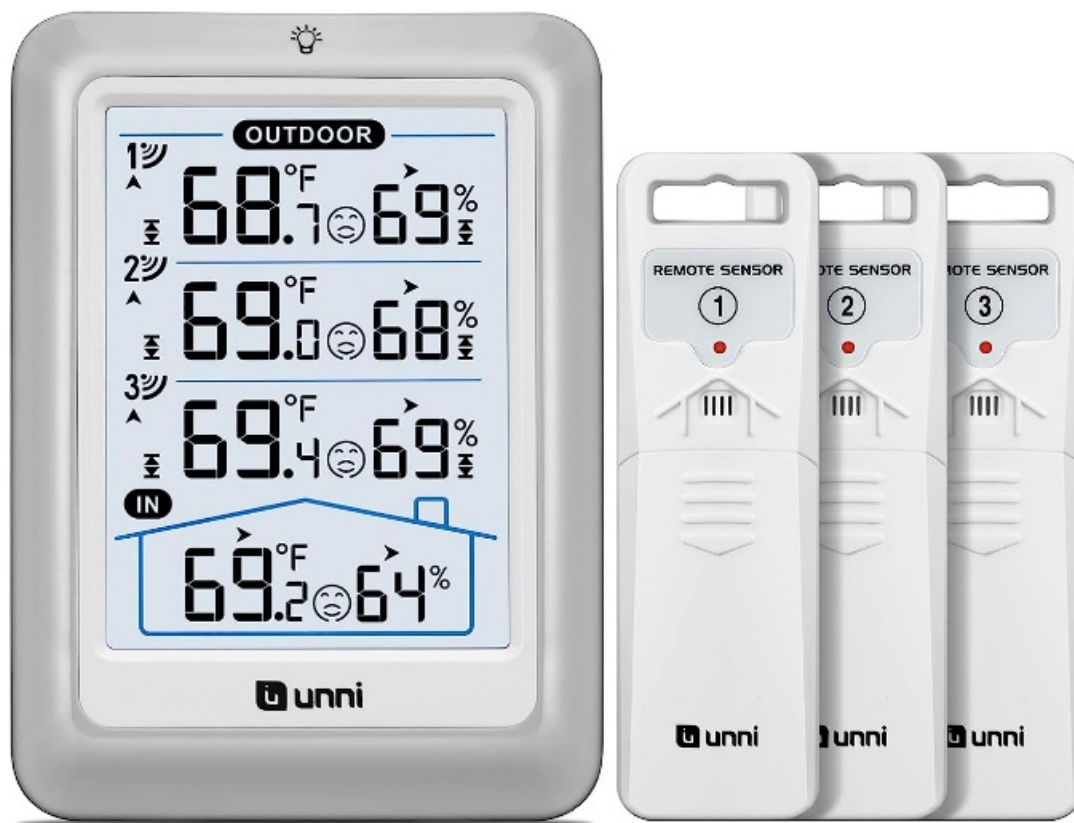# U-UNNI UN0582 Digital Wireless Thermometer OPERATING INSTRUCTION

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U-UNNI UN0582 Digital Wireless Thermometer

Package included

- Wireless Thermometer x 1
- Wireless sensor x 3
- USB cable for base unit
- Operating instructions

Technical data

- Base unit
- **Model:** UN0582
- **Power consumption:** 5.0V ⎓ 500 mA
- **Power supply:** 3 x LR06 (AAA) / 1.5 V (not included)
- **Temperature measuring range:** 14.2°F ~ 122°F
- **Temperature measuring accuracy:** 32 104°F: +/-1.8°F, other +/-3.6°F
- **Resolution:** 0.1°F
- **Humidity measuring range:** 20 % to 95 % relative humidity
- **Humidity measuring accuracy:** +/- 5 % with a measuring range of 40% to 80%, +/-8% with measuring range of 20% to 39% and 81% to 95%
- **Resolution:** 1 %
- **Temperature and humidity data detection and sending period**: every 30 seconds

Wireless sensor

- **Model:** UN02
- **Batteries:** 6 x LR6 (AA) 1.5 V (not included)

- **Temperature measuring range:** – 40°F to 158°F
- **Temperature measuring accuracy:** 32 104°F: +/-1.8°F, other +/-3.6°F
- **Protection type: IPX4:** Protection against splash water from all directions
- **Transmission frequency:** 433 MHz
- **Range:** max. 328 ft (100 meters) (in open area)
- **Temperature and humidity data detection and sending period:** CH1: every 31 seconds; CH2: every 32 seconds; CH3: every 33 seconds

USB cable

- **Power consumption:** 5.0V ⎓ 500mA
- **Power cable:** Length: 5.9 Ft
  Note: With the continuous development and improvement of our products, the design and technology may be changed.

Product functions

Wireless thermometer

- LCD
- Indoor temperature display in °C/°F
- Indoor and outdoor humidity display
- Outdoor temperature display in °C/°F with up to three wireless sensors at different measurement sites
- Minimum/maximum display for temperature and humidity
- Humidity and temperature trend display
- Outdoor temperature and humidity alerts
- Low battery indicator
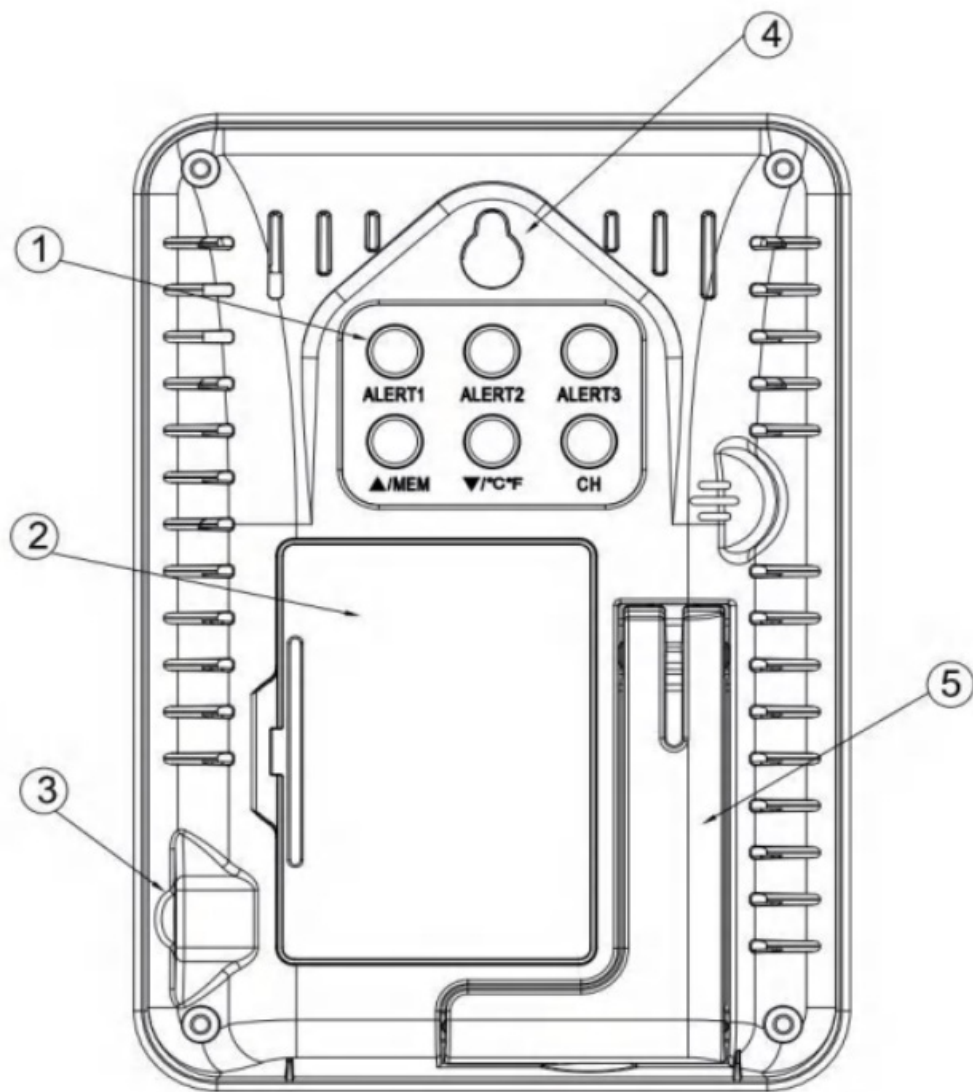- Battery or mains operation

Wireless sensor

- Temperature display in °F
- Humidity display in %
- Range of up to 328 ft (100 meters) (in open area)
- Low battery indicator
- Wall mounting bracket
- Loop for hanging

Overview of weather station
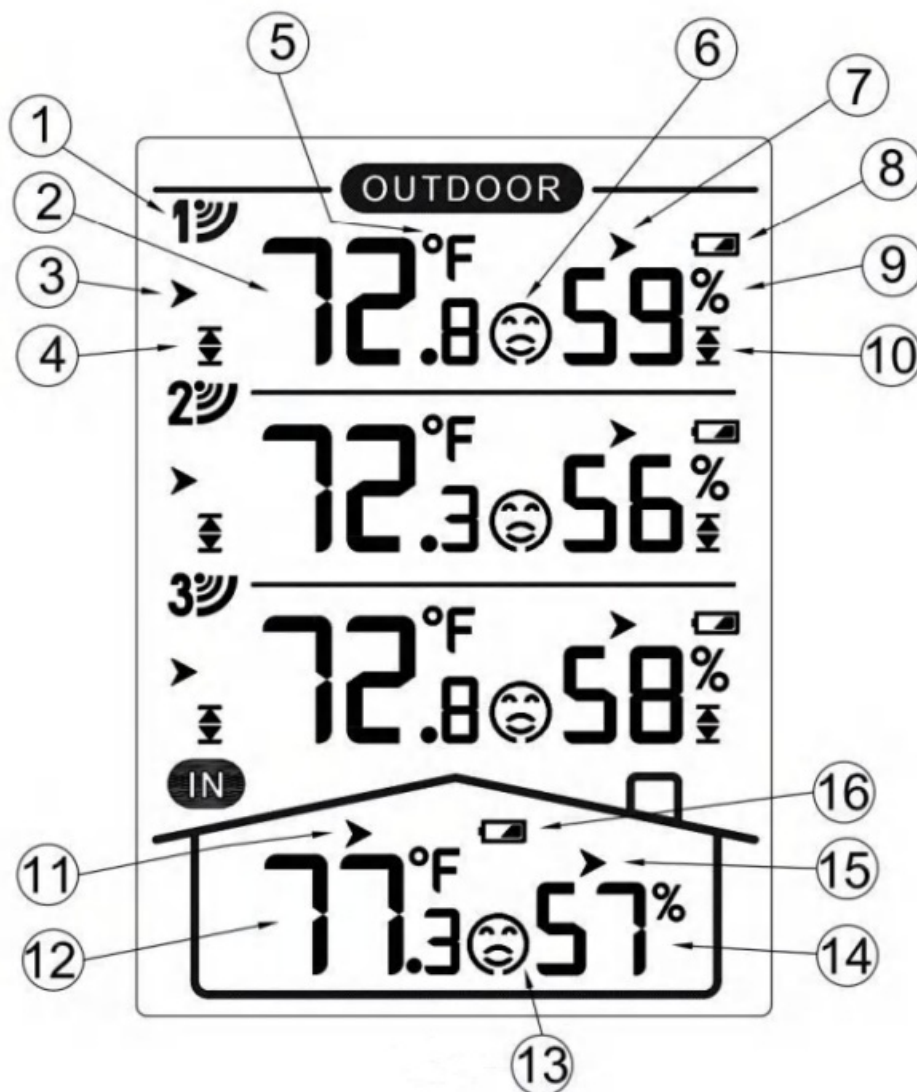
1. Current channel of outdoor sensor
2. Outdoor temperature
3. Outdoor temperature trend
4. Outdoor temperature alert
5. Temperature unit
6. Comfort indicator
7. Outdoor humidity trend
8. Low battery indicator for outdoor
9. Outdoor humidity display in %
10. Outdoor Humidity alert
11. Indoor temperature trend
12. Indoor temperature
13. Comfort indicator
14. Indoor humidity display in %
15. Outdoor temperature trend
16. Low battery indicator for indoor

Operating elements and parts of the weather station and wireless sensor

① ALERT1 ALERT2 ALERT3
▲/MEM ▼/°C°F CH

01	Operating buttons	
	Button **ALERT1** * Turn on/off alerts for CH1 * Long press to activate alert settings mode for CH1 * Save changes to settings	
	Button **ALERT2** * Turn on/off alerts for CH2 * Long press to activate alert settings mode for CH2 * Save changes to settings	
	Button **ALERT3** * Turn on/off alerts for CH3 * Long press to activate alert settings mode for CH3 * Save changes to settings	
	Button **CH** * Display weather data from various wireless sensors (channel 1.2.3) * Long press to reconnect wireless sensor connection	

	Button ▲/**MEM** * Set values (increase) * Display stored MAX and MIN temperature and humidity values * Long press Clear and re-record	
	Button ▼/**°C°F** * Set values (decrease) * Fahrenheit/Celsius	
	Button ☼/z^z (**LIGHT**/**SNOOZE**) * Illumination backlight	
02	Battery compartment	
03	Adapter port	
04	Loop for hanging	
05	Foldable stand	
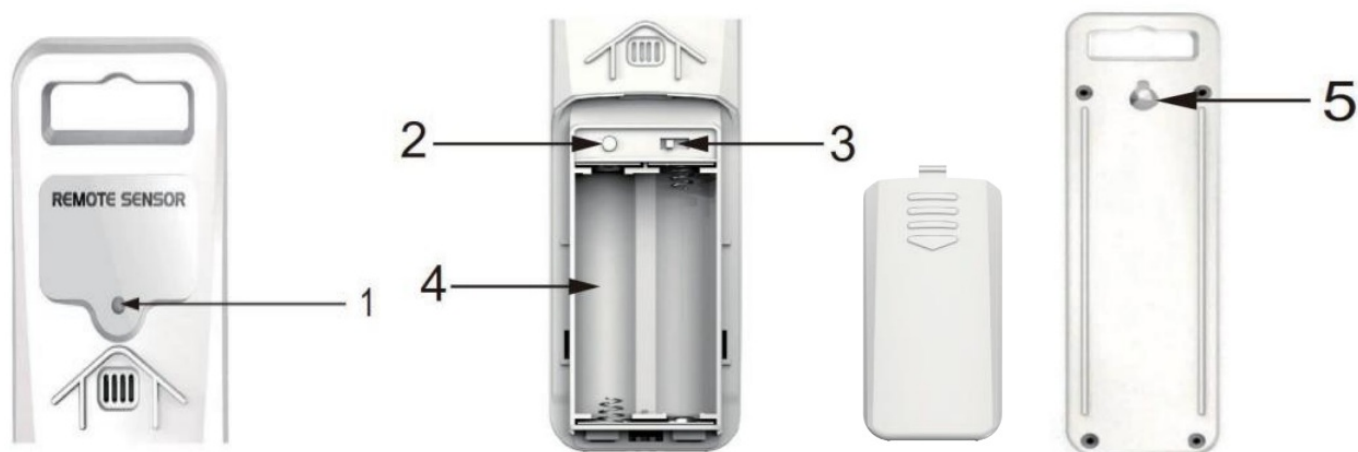
1	Red pilot light (Light up for 1 second only when transmitting data)
2	TX button: press to transmit wireless signal to main unit
3	Sliding switch 1 2 3: Set sensor number (transmission channel)
4	Battery compartment
5	Loop for hanging

Note:
If you are going to use the wireless sensor included in the package, there is no need to change the transmission channel inside the outdoor sensor.

We have preset 3 transmission channels for you and made corresponding identification.
Changing the transmission channel is only necessary when you are going to add additional wireless outdoor sensor. See " How to add extra sensors ".

How to set up

Insert batteries

1. Insert 2x AA batteries into your wireless sensor. Pay attention to the correct polarity. While the sensor is transmitting, the red LED indicator will flash.
2. Open the battery compartment of the weather station and insert 3xAAA batteries in the correct polarity. Close the battery compartment.

   (Note: The screen will turn off after 10s and you will need to touch the button to activate it.)
3. Plug into the USB cord, which will keep the backlight on, and adjust 3 kinds of brightness(high-low-off).

Pairing the outdoor sensor with the station
Once the wireless thermometer is turned on (plugin or insert batteries), it will start receiving the pairing RF signals from the outdoor sensor with the same channel for 3 minutes. You can press the CH button on the base unit to match the correct outdoor sensor.
Generally, the outdoor sensor will connect with the base unit automatically. If it failed, please follow below steps to set:

- Make sure you set different channels for the sensor(1-3)
- Press the CH button once to adjust to the corresponding channel, and then long press the CH button on the

base unit to search signal from the outdoor sensor.

- The sensor receiving icon will flash when searching for the signal.
- After the sensor is connected, the icon will become stable.
- Your weather station will search for the signal each 3 minutes every hour automatically until it is connected.
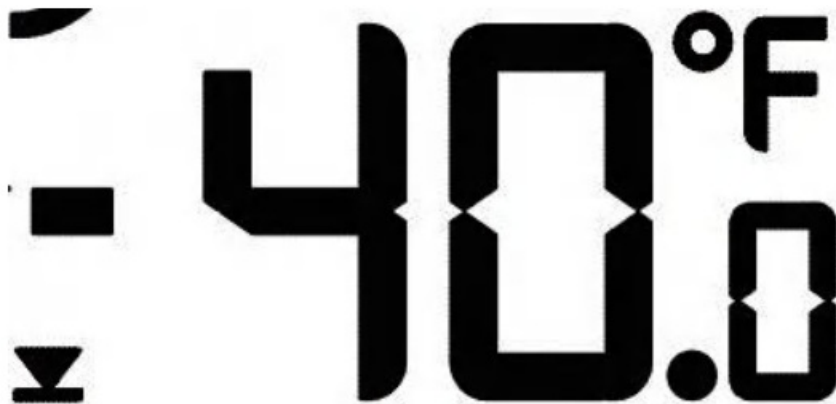
Setting The Remote Temperature and Humidity Alerts

1. Hold and press the ALERT1 button for 3 seconds to enter alert setting mode.
2. First, HI temperature starts flashing, use the ▲ and ▼ buttons to set the alert values, then press the ALERT1 button to store the changed setting.

3. Then, LO temperature starts flashing, use the ▲ and ▼ buttons to set the alert values, then press the ALERT1 button to store the changed setting.

4. And then, Hi humidity starts flashing, use the ▲ and ▼ buttons to set the alert values, then press the ALERT1 button to store the changed setting.

5. Finally, LO humidity starts flashing, use the ▲ and ▼ buttons to set the alert values, then press the ALERT1 button to store the changed setting.

Similarly, you can follow these steps to set ALERT2 and ALERT3.

Note: The default value of HI temperature is 158°F, LO temperature is -40°F Hi humidity is 95%, LO humidity is 20%.

Deactivate/Activate Alerts
The alert is off by default and needs to be activated manually.

- Press and release the ALERT1 button to deactivate or activate the alert for CH1
- Press and release the ALERT2 button to deactivate or activate the alert for CH2
- Press and release the ALERT3 button to deactivate or activate the alert for CH3
- The alert icon will show when it is activated.
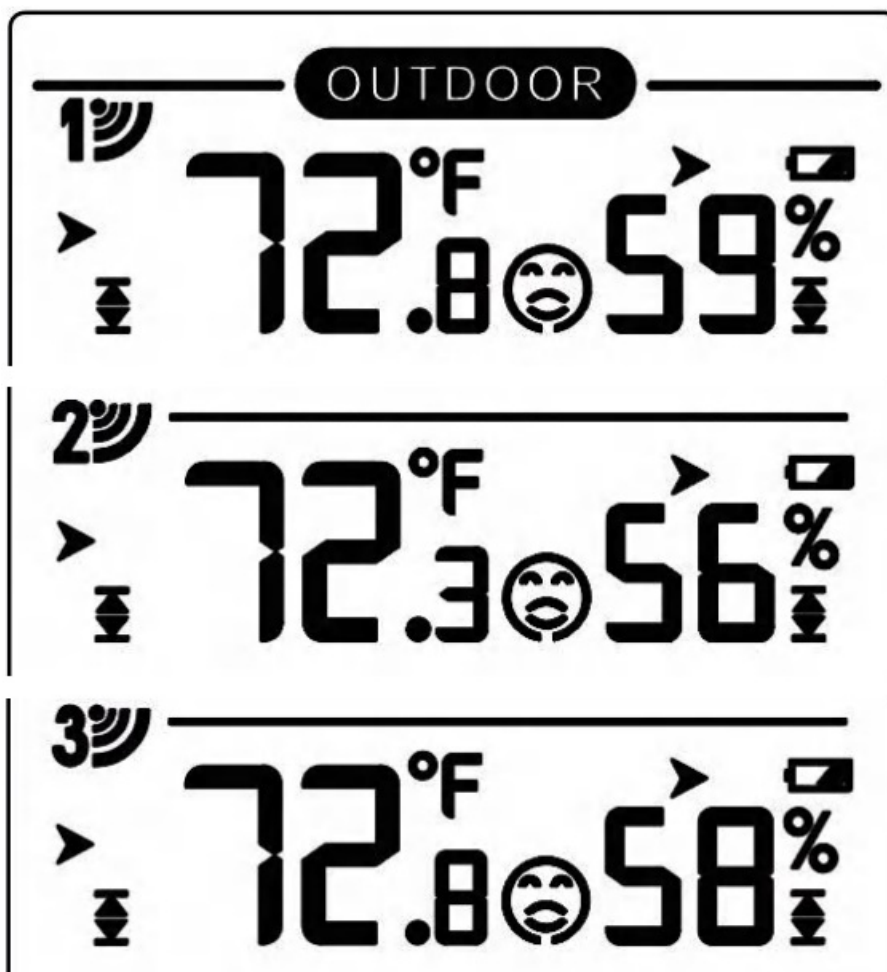
Other functions

Switch temperature unit
Press the ▼ button to switch the temperature unit: °C or °F.

Temperature: °F   Temperature: °C

Backlight (HI-LOW-OFF)

- When the base unit is powered by USB cable, the backlight is adjustable: HI-LOWOFF.

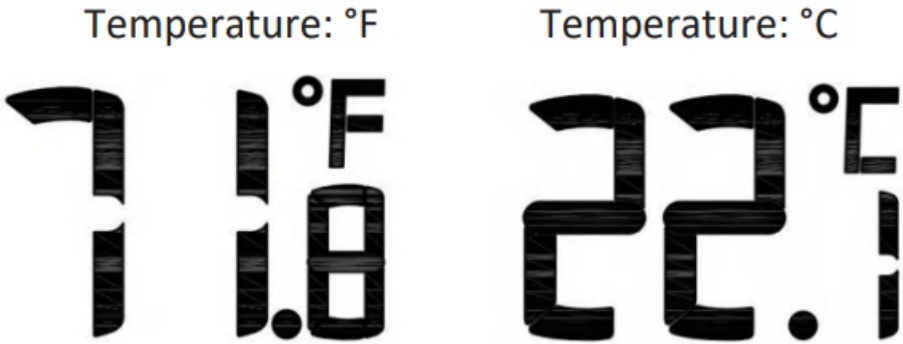- You can press the (LIGHT/SNOOZE) button to adjust backlight.

- **Note:** When the station is operated by batteries only, the backlight will turn off after 10s and by pressing the (LIGHT/SNOOZE) button to activate it again.

Low battery indicator

- When there is a low battery symbol near Outdoor Temperature, you should replace batteries of the wireless sensor.
- When there is a low battery symbol near Indoor Temperature, you should replace batteries of the weather station.

Daily MAX/MIN data
All MAX / MIN temperature/humidity records will reset automatically every 24h. From normal display, press and release the ▲ button to view:

- **press x 1:** MAX– indoor and outdoor temperature/ humidity records.
- **press x 2**: MIN– indoor and outdoor temperature/ humidity records.
- **press x 3:** back to normal display.
  Note: Press and hold the ▲ button to delete the highest and lowest temperature and humidity values since starts.

Comfort indicator
It depends on the humidity and indicates the comfort degree a person would feel.

	DRY ☺	COMFORT ☺	WET ☹
Humidity range	< 40%	40% ~ 70%	>70%

Trend
For the temperature and humidity values measured by the base unit and wireless sensor, the trend is displayed by an arrow:

Trend	rising	constant	falling
Temperature	↗	→	↘
Humidity	↗	→	↘

Ice alarm

If the wireless sensor measures a temperature between 33.8 °F and 30.2°F, there is a risk of frost and a snowflake

symbol will flash. If the temperature falls below 30.2°F for an extended period of time, the snowflake symbol will be constantly displayed.

Note: Even if the temperature alarm is not displayed when the temperature is around freezing point, there is generally always a risk of frost and/or black ice. The outdoor sensor can only measure the local temperature in the place where it is installed.

How to add extra sensors

The thermometer comes with 3 wireless sensors. If one sensor is lost or broken, you can buy it from the Amazon store and pair it with the main unit.

Note:

1. You need to set different channels for the sensor (1-3). You can set it through pull the stick on near the batteries.

Sliding switch 1 2 3: Set sensor number (transmission channel)
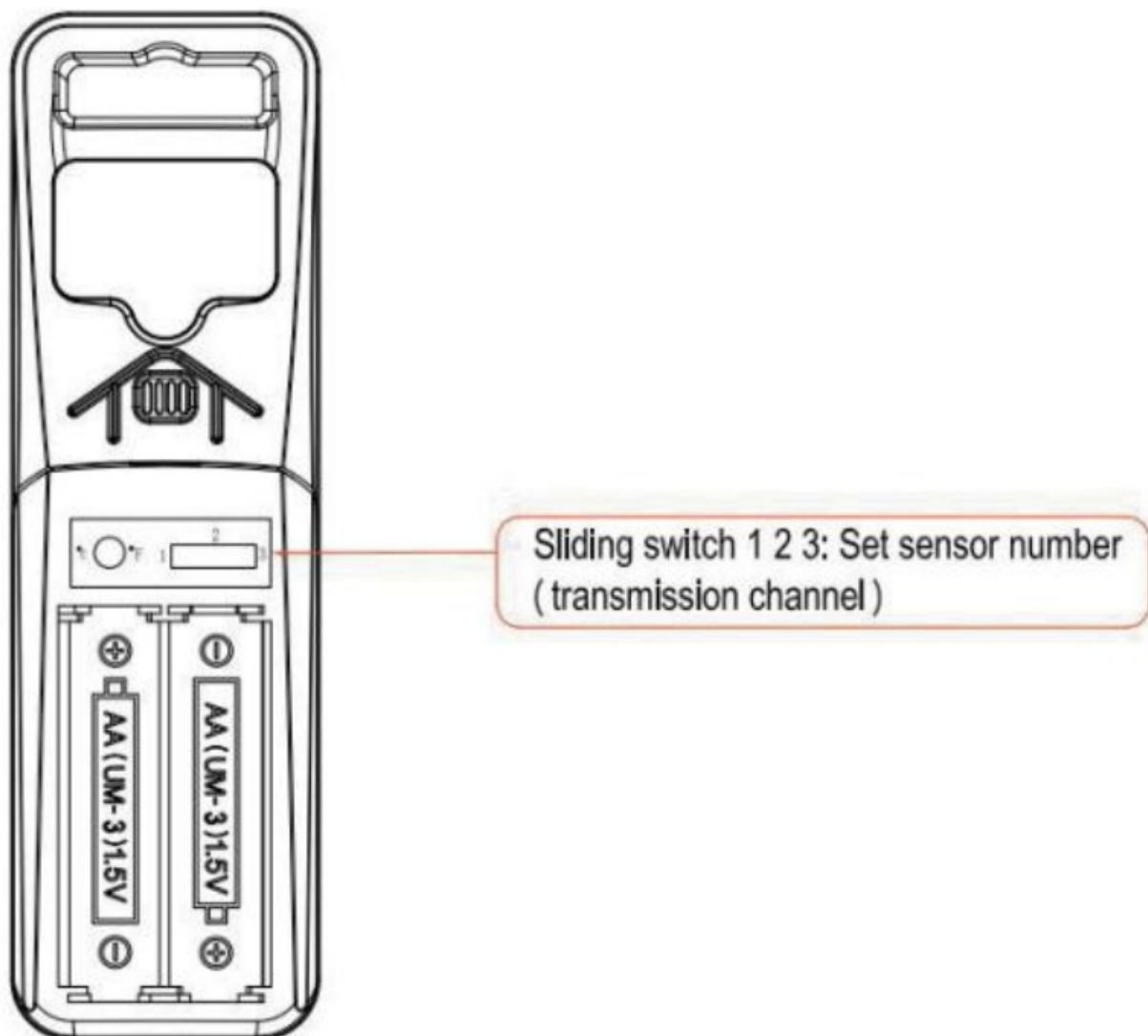
2. Under the corresponding channel displayed on the base unit, press and hold the CH button until the signal icon starts to flash to receive the signal from the newly added sensor for 3 minutes.

Where the sensor should be placed

1. Sensor can be hung/placed.
2. Better place it under the porch and eaves.
3. The maximum range of the sensor can reach 328ft in an open area.
4. Make sure that the sensor is vertical so that moisture can be drained correctly.

Note

- Shielding building materials such as reinforced concrete reduce or prevent the radio reception between the base station and wireless sensor.
- Devices such as televisions, cordless phones, computers and fluorescent tubes can also interfere with the wireless reception.
- Do not place the base unit and wireless sensors directly on the floor. This restricts the range.
- In low temperatures in winter the battery performance of the wireless sensors can be significantly reduced. This reduces the transmitter range.

Where the station should be placed

- Pull out the stand and place on a flat surface.
- Or use the hanging holes on the back to mount on a wall.
- Choose a location 6 feet or more away from electronics such as cordless phones, gaming systems, televisions, microwaves, routers, etc.
- Place within range of the outdoor sensors (328 ft, 100m open air).
- Obstacles such as walls, windows, stucco, concrete, and large metal objects can reduce the range.

Resetting
If the base station appears to display incorrect values, you should reset the weather station to the factory settings.

- Shut off the main weather station (take out batteries or unplug the power cord).
- Take the batteries out of the outdoor sensor.
- Power on the main weather station (put batteries in or plug the power cord).
- Put batteries back in the outdoor sensor.
- Put them together within a couple feet for about 20 minutes for a strong connection.

Care and maintenance

- Do not mix old and new batteries.
- Do not mix Alkaline, Standard, Lithium, or Rechargeable Batteries.
- Always purchase the correct size and grade of battery most suitable for intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed with correct polarity (+ and -).
- Remove batteries from equipment when it is not used for an extended period of time.
- Promptly remove expired batteries.

Safety

Read the following advice carefully and store these operating instructions in case you want to reread something later. If you give the item to someone else, give them these operating instructions as well.

- This device may be used by children over 8 years of age and over, as well as by persons with reduced physical, sensory or mental abilities, or lack of experience and / or knowledge if they are supervised or instructed regarding the safe use of the equipment and have understood the resulting hazards.
- Keep the device away from children under the age of 8.
- Cleaning and user maintenance may not be carried out by children unless they are supervised.
- Children must be supervised to make sure that they do not play with the device.
- The device must not be immersed in water or other liquids. Electric shock hazard!
  Do not use the device in areas where it may be wet, such as a sink.

Danger from electricity (when using the usb cable)

- Connect the device to a properly installed power socket with a voltage that corresponds to the Technical Data.
- Ensure that the socket is easily accessible, so that you can quickly remove the switching adapter if necessary.
- Do not use the wireless station if the switching adapter or power cable is damaged.
- Do not cover the switching adapter with curtains, newspapers, etc. and ensure that it is sufficiently ventilated. The switching adapter can become hot.
- Uncoil the switching cable fully before connecting. Be careful not to damage the cable with sharp edges or hot objects.
- Remove the switching adapter from the socket:
    - before cleaning the wireless station,
    - when a fault occurs during operation,
    - during thunderstorms,
- Do not modify the items or the power cable. Only allow repairs to be carried out by a specialist workshop as improperly repaired devices endanger the user.

Unpacking and checking

1. Remove the device from the packaging, remove all protective films and keep the packaging materials out of the reach of children.
2. Dispose of the materials separately according to type.
3. Check that all the items that should be included in the delivery are present and whether the station displays any damage.

FCC statement

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, and
2. This device must accept any interference received, including interference that may cause undesired operation

WARNING: Changes or modifications to this unit 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 the 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.

Disclaimers

- The manufacturer reserves the right to change the specifications of the product.
- Manufacturers and suppliers are not responsible for malfunctions where interference occurs.

Troubleshooting

Problem	Possible Solution
Outdoor temperature is showing d ashes	Dashes is generally an indication of wireless interference.
Add sensor or replace sensor batt eries	a. Turn off the main weather station (take out batteries or unplug the power cord) b. Take the batteries out of the outdoor sensor c. Turn on the main weather station (put batteries in or plug the power cord) d. Put batteries back in the outdoor sensor e. Let the units sit within a couple feet of each other for about 20 minutes t o gain a strong connection.
Display screen is not working	Check whether the positive and negative poles of the battery are correct; C heck whether the usb cord is tightly inserted.

Accuracy of temperature and humidity	1. When unpacking for the first time, the weather station and sensor are sealed for a long time, and it takes 1-2 hours to balance with the current ambient temperature. 2. Keep away from heat 3. When comparing with other thermometers, it should be placed in the same position and allowed to stand for 1 hour. This is very important.
Inaccurate temperature or humidity readings	To ensure accurate temperature/humidity measurement, place device out of direct sunlight and away from any heat sources or vents.

Warranty and support

Unni Technology, Ltd. provides a 1-year limited-time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.
Before returning a product, please contact our friendly customer support with questions:
unni_technology@hotmail.com

FAQs

What is the U-UNNI UN0582 Digital Wireless Thermometer?

The U-UNNI UN0582 is a digital wireless thermometer designed for accurate temperature measurement

What is the temperature range of the U-UNNI UN0582?

The U-UNNI UN0582 can measure temperatures from -30°C to 900°C

What is the distance-to-spot ratio of the U-UNNI UN0582?

The U-UNNI UN0582 has a distance-to-spot ratio of 60:1, allowing for accurate measurements from a safe distance

What is the recommended distance for using the U-UNNI UN0582?

The recommended distance for using the U-UNNI UN0582 is up to 2 meters

What is the warranty period for the U-UNNI UN0582?

The U-UNNI UN0582 comes with a 2-year warranty

How many channels does the U-UNNI UN0582 Digital Wireless Thermometer support?

The U-UNNI UN0582 Digital Wireless Thermometer supports up to three channels for monitoring multiple locations.

How do you sync the outdoor sensor with the U-UNNI UN0582 Digital Wireless Thermometer indoor unit?

To sync the outdoor sensor with the U-UNNI UN0582 Digital Wireless Thermometer, insert the batteries into both units and follow the pairing instructions in the user manual.

How often does the U-UNNI UN0582 Digital Wireless Thermometer update its readings?

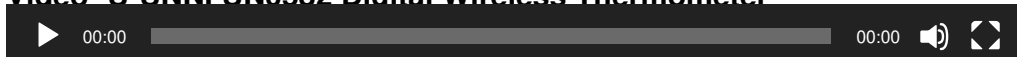The U-UNNI UN0582 Digital Wireless Thermometer updates its readings every 60 seconds.

What is the wireless range of the U-UNNI UN0582 Digital Wireless Thermometer?

The U-UNNI UN0582 Digital Wireless Thermometer has a wireless range of up to 100 meters (328 feet) in open space.

How is the U-UNNI UN0582 Digital Wireless Thermometer powered?

The U-UNNI UN0582 Digital Wireless Thermometer is powered by batteries for both the indoor display unit and the outdoor sensor.

Video- U-UNNI UN0582 Digital Wireless Thermometer

▶ 00:00 ━━━━━━━━━━━━━━━━━━━━━━━━ 00:00 🔊 ⛶

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https://manuals.plus/wp-content/uploads/2024/05/U-UNNI-UN0582-Digital-Wireless-Thermometer.mp4

References

- [**User Manual**](#)