

Wind & Weather
Easy-Read
Thermometer/Hygrometer

User Manual
ID3587

INTRODUCTION

Thank you for selecting the ID3587 Easy-Read Thermometer/Hygrometer. This device registers, displays, and monitors temperature and humidity at up to three remote locations from the comfort of your home.

In this package you will find:

- Main unit (receiver)
- Remote sensor (transmitter) ID3587A
- User manual

Please keep this manual handy as you use your new instrument. It contains practical step-by-step instructions, as well as technical specifications and precautions you should know.

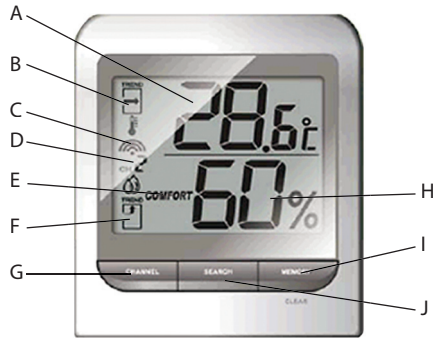
PRODUCT OVERVIEW

MAIN UNIT

Features:

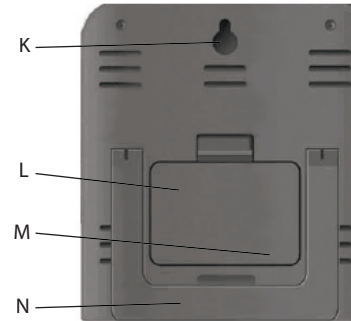
- Wireless transmission of the temperature and humidity from the remote sensor to the main unit from up to 100' away
- Indoor temperature and relative humidity display
- Remote temperature and relative humidity display
- Indoor and remote temperature trends
- Indoor and remote humidity trends
- Comfort level indicator
- User-selectable temperature display in Celsius or Fahrenheit
- Memory for the indoor and remote temperature and humidity readings
- Wall mount or desktop option
- Low battery indicator

FRONT VIEW



- A. TEMPERATURE
- B. TEMPERATURE TREND ICON
- C. KINETIC WAVE DISPLAY
 - Shows the signal reception strength
- D. CURRENT CHANNEL or INDOOR READINGS
 - Shows whether indoor or remote channel readings are being displayed
- E. COMFORT LEVEL INDICATOR
- F. HUMIDITY TREND ICON
- G. CHANNEL
 - Toggles between the remote channels or indoor readings
- H. HUMIDITY
- I. MEMORY BUTTON
 - Toggles between current, minimum, and maximum readings of the indoor and remote temperature and humidity
 - Clears the maximum and minimum memory of registered temperature and humidity

REAR VIEW

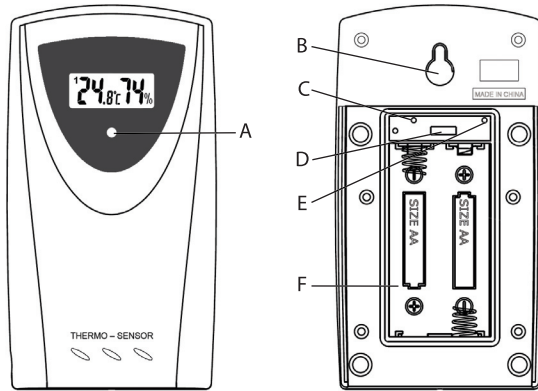


- J. SEARCH BUTTON
 - Forces the remote sensor signal search
- K. WALL-MOUNT RECESSED HOLE
 - Allows the unit to be hung on a wall
- L. BATTERY COMPARTMENT
 - Accommodates two AA 1.5V alkaline batteries.
- M. C°/F° SWITCH (located inside the battery compartment)
 - Selects temperature display in Celsius or Fahrenheit
- N. UNFOLDING TABLE STAND
 - Supports the main unit on a flat surface

REMOTE SENSOR

Features:

- Remote temperature and humidity transmission to the main unit via 433 MHz signal
- 100' (30 meters) transmission range without interference
- LCD display of measured temperature and humidity
- Three (3) channels selection
- Selection of the temperature display in Celsius or Fahrenheit
- Case can be wall mounted using built-in recessed hanger



A. LED INDICATOR

- Flashes once when the remote sensor transmits a reading to the main unit
- Flashes twice when battery power is low

B. WALL-MOUNT RECESSED HOLE

- Keeps the remote sensor on the wall

C. RESET

- Resets all readings

D. CHANNEL SWITCH

- Selects the desired channel

E. °C/°F SELECTOR

- Selects the temperature display in Celsius or Fahrenheit

F. BATTERY COMPARTMENT

- Holds two AA-size batteries

BEFORE YOU BEGIN:

- The remote sensor can be placed indoors or outdoors, the main unit must be placed indoors.
- We recommend using alkaline batteries for the remote sensor and main unit when temperatures are above 32°F (0°C). We recommend using lithium batteries for the remote sensor when temperatures are below 32°F (0°C).
- Avoid using rechargeable batteries. (Rechargeable batteries cannot maintain correct power requirements).
- Insert batteries before first use, matching the polarity in the battery compartment.
- ALWAYS install batteries in the remote sensor before the main unit.
- Press RESET after each battery change with a paper clip or similar tool.
- During an initial setup, place the main unit as close as possible to the remote sensor.
- After reception is established (the remote temperature will appear on the main unit's display), position the remote sensor and the main unit within the effective transmission range of 100'.

NOTE:

1. Avoid pressing any buttons on the main unit before the remote temperature is displayed. This takes approximately 2 minutes.

2. The effective operating range may be influenced by the surrounding building materials and how the receiver and transmitter are positioned.
3. Place the remote sensors so that it faces the main unit (receiver), minimizing obstructions such as doors, walls, and furniture.
4. Though the remote sensors are weather-resistant, they should be placed away from direct sunlight, rain, or snow.

NOTE: When the temperature falls below freezing, alkaline batteries in the outdoor remote sensor may have reduced voltage supply and a shorter effective range. We recommend using lithium batteries at temperature 32°F (0°C) and below.

BATTERY INSTALLATION

REMOTE SENSOR


NOTE: Install the batteries; select the channel and temperature in C° or F° before mounting the remote sensor.

1. Remove the screws from the battery compartment with a small Phillips screwdriver.
2. Set the channel. The switch is located in the battery compartment. Channel 1 is typically selected if only one remote sensor is being used.
3. Install 2 AA alkaline batteries (not included) matching the polarities shown in the battery compartment.
4. Replace the battery compartment door and secure the screws.
5. Secure remote sensor in the desired location after transmission has been established.

MAIN UNIT

1. Open the battery compartment door.
2. Install 2 AA batteries matching the polarity as shown in the battery compartment.
3. Replace the battery compartment door.

LOW BATTERY WARNING

A low-battery indicator [] will appear on the indoor or remote temperature and humidity reading line of the main unit warning that the corresponding batteries need replacement.

GETTING STARTED

After batteries are installed, the remote sensor will transmit temperature readings at 45 second intervals. The main unit may take up to two minutes to receive the initial readings. Upon successful reception, the remote temperature will appear on the larger section of the main unit's display (the default remote channel is channel one). The main unit will automatically update readings at 45-second intervals. If no signal is received from the remote sensor within two minutes, dashes [- - -] will be displayed. Press and hold **SEARCH** button on the main unit for two seconds to initiate another signal search.

CHECKING REMOTE AND INDOOR TEMPERATURE AND HUMIDITY

The default display shows the indoor temperature and humidity information (temperature is on the top, and humidity is on the bottom line). The icon **IN** will be displayed when indoor readings are shown.

The remote temperature and humidity for channel one, two and three can be recalled by pressing **CHANNEL** button.

READING THE KINETIC WAVE DISPLAY

The kinetic wave display shows the main unit (receiver) signal reception strength. The wave icon is located above the remote channel number and indicates the reception status from the remote sensor. Three types of reception status may be displayed:

Searching for Signal	
Readings are Securely Registered	
No Signal Detected	

NOTE: If the indoor or remote temperature and/or humidity goes above or below operating range stated in specifications, the main unit's display will show dashes "- - -"

TEMPERATURE AND HUMIDITY TRENDS

The temperature and humidity trend indicators are located next to the temperature and humidity display lines. They show the trend of temperature and humidity readings collected indoors and at a particular remote site. There are three trends that can be displayed: Rising, Steady, and Falling.

Arrow indicator			
Temperature/ Humidity Trend	Rising	Steady	Falling

COMFORT LEVEL INDICATORS

The Easy-Read Thermometer/Hygrometer is capable of detecting and displaying the present comfort levels for the surrounding environment. The environmental comfort level is detected, interpreted, and displayed on the main unit's display based on the combination of the current indoor and remote temperature and humidity readings. There are several comfort levels that may be shown: COM (comfortable); WET (wet); DRY (dry) and No Indicator.

Indicator Displayed	Temperature Range	Humidity Range	Shows Current Condition
COM	68° to 77°F	40 to 70% RH	Ideal for both relative humidity and temperature
WET	23° to 122°F	Over 70% RH	Contains excess moisture
DRY	23° to 122°F	Below 40% RH	Contains inadequate moisture
No Indicator	Less than 68° or more than 77°F	40 to 70% RH	No Comment

MAXIMUM AND MINIMUM MEMORY

The maximum and minimum record of the indoor and remote temperature and humidity will be automatically stored in the memory of the main unit (receiver).

1. To display the minimum, maximum, or the current reading, press **MEMORY** button after desired mode (indoor or remote) is selected.
2. If no button is pressed for the next 15 seconds, the unit will return to the current temperature and humidity display for applicable mode.
3. To clear the memory, press and hold **MEMORY** button for two seconds and all previously stored readings will be erased.

LOST COMMUNICATION

If the main unit display mode for the remote sensor reading shows dashes (- - -), press and hold **SEARCH** button for 2 seconds to begin a new signal search (the signal search icon will flash above the remote channel number). If the signal isn't received within two minutes, please make sure that:

1. The remote sensor is in its proper location.
2. The distance between main unit and remote sensor is not over 100'.
3. The path between units is clear of obstacles. Shorten the distance if necessary.
4. Fresh batteries are installed correctly in both remote sensor and main unit.

If there is still no communication, please perform the following steps:

1. Bring the main unit and remote sensor close together.
2. Remove the screws from the back of the remote sensor with small Phillips screwdriver, and open the battery compartment.
3. Remove the batteries from the battery compartment and reinstall them in the same manner. Remote sensor LED indicator will flash showing transmission of the signal.
4. Remove the batteries from the main unit and reinstall them in the same manner.
5. The remote temperature should appear on the main unit's display, showing that transmission is being received successfully.

TRANSMISSION COLLISION

Signals from the other household devices such as wireless doorbells, home security systems, and entry control, may interfere with this product or cause temporary reception interruption. This is normal and will not affect the general performance of

the product. The transmission and reception of the readings will resume once the interference subsides.

PRECAUTIONS

This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:

1. Do not immerse the units in water.
2. Do not clean the units with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
3. Do not subject the product to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
4. Do not tamper with the units internal components. Doing so will invalidate the warranty and may cause damage. These units contain no user-serviceable parts.
5. Use only fresh batteries. Do not mix new and old batteries.
6. Read the user's manual thoroughly before operating the units.

SPECIFICATIONS

Main Unit:

Indoor Temperature range: 23.0°F to 122.0°F
Temperature Resolution: 0.2°F
User-selectable (F° or C°) temperature display

Indoor Humidity range: 20 to 95% RH
Humidity Resolution: 1%
Comfort Level Indicator: Comfort, Wet, Dry
Maximum number of remote sensors: 3

Remote Sensor:

Remote Temperature range:
with alkaline batteries: -4°F to 140°F
with lithium batteries: -38.0°F to 140°F
Temperature Resolution: 0.2°F

Remote Humidity range: 20 to 95% RH
Humidity Resolution: 1%
RF Transmission Frequency: 433 MHz
RF Transmission range: Max. 100'
Temperature transmission cycle: approx. 45 seconds

Power:

Main unit: 2x AA (1.5V) batteries (not inc.)

Remote Sensor: 2x AA (1.5V) batteries (not inc.)

Dimensions:

Main unit: 4.32"W x 4.75"H x 1"D
Remote sensor: 2.25"W x 4.125"H x 1.125"D

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 modification 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 had 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, installed and used in accordance with the instructions, may cause harmful interference to radio communications. 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 improve or correct turning the interference by one or more of the following measures:

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

DECLARATION OF CONFORMITY

We, Hideki Electronics, Inc., 7865 SW Mohawk, Tualatin, OR 97062, (503) 612-8395, declare that the product:
Product No.: TM005

Manufactured by Hideki Electronics Ltd., Unit 2304-06, 23/F Riley House, 88 Lei Muk Road, Kwai Chung, New Territories, Hong Kong,
is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

STANDARD WARRANTY INFORMATION

This product is warranted from manufacturing defects for 90 days from date of retail purchase. It does not cover damages or wear resulting from accident, misuse, abuse, commercial use, or unauthorized adjustment and repair.

Should you require assistance with this product and its operation, please contact Wind & Weather Customer Service at 877-255-3700.