

**MULTI-CHANNEL IN-OUT
THERMO-HYGROMETER
WITH CABLE FREE SENSOR AND
CLOCK**

MODEL: GE5805WS6
USER'S MANUAL

INTRODUCTION

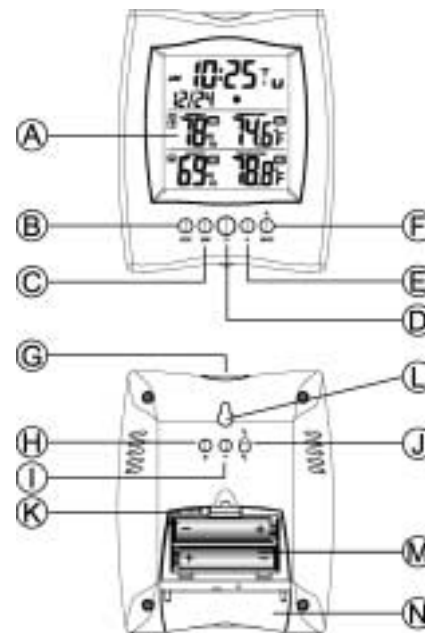
Congratulations on your purchase of the GE5805WS6 Multi-Channel In-Out Thermo-Hygrometer with 433MHz cable free sensor and calendar clock.

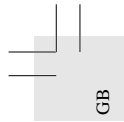
The basic package comes with a main unit, which is the temperature, humidity and calendar clock station, and a remote unit, the thermo-hygro sensor.

The main unit has large read-outs for In-Out temperature and humidity which are collected and transmitted by the remote unit. The main unit can support up to three remote units.

As for the calendar clock, it includes five-language display and 2-minutes crescendo single alarm. It is also equipped with a moon phase scanner, which lets you check the moon phase of any day between 2000 to 2099.

MAIN FEATURES





A. THREE-LINE DISPLAY

Facilitates easy reading of remote and indoors temperatures and humidities and calendar clock with moon phase

B. MODE BUTTON

Toggles the display modes and set the time for calendar clock

C. MEM BUTTON

Recalls the maximum or minimum temperature of individual channels

D. CH BUTTON

Selects among different channels

E. AL BUTTON

Sets and displays the time for the alarms

F. ALARM [AL ON/OFF] BUTTON

Enables or disables the alarms

G. SNOOZE BUTTON

Activates 8 minutes snooze function when alarm is sounding

H. UP (+) BUTTON

Advances the value of a setting or scan the moonphase status

I. DOWN (-) BUTTON

Decreases the value of a setting or scan the moonphase status

J. °C/°F SLIDE SWITCH

Selects between degree Centigrade (°C) and Fahrenheit (°F)

K. RESET BUTTON

Returns all settings to default values

L. WALL-MOUNT RECESSED HOLE

For mounting the main unit on a wall

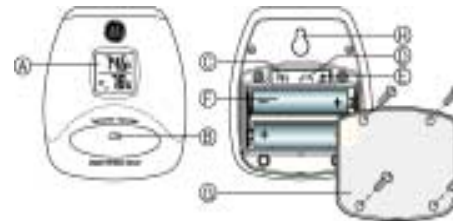
M. BATTERY COMPARTMENTS

Accommodates two UM-3 or "AA" size 1.5V batteries

N. TABLE STAND

For standing the main unit on a flat surface

MAIN FEATURES: REMOTE UNIT



A. TWO-LINE DISPLAY

Facilitates easy reading of outdoor temperature and humidity.

B. LED INDICATOR

Flashes when the remote unit transmits a reading

C. CHANNEL SLIDE SWITCH

Designates the remote unit Channel 1, Channel 2 or Channel 3

D. °C/°F SLIDE SWITCH

Selects between degree Centigrade (°C) and Fahrenheit (°F)

E. RESET BUTTON

Returns all settings to default values

F. BATTERY COMPARTMENT

Accommodates two AA-size batteries

G. BATTERY DOOR

H. WALL-MOUNT RECESSED HOLE

For mounting the remote unit on a wall

BEFORE YOU BEGIN

For best operation,

1. Assign different channels to different remote units.
2. Insert batteries for remote units before doing so for the main unit.
3. Place the main unit as close as possible next to the remote unit, reset the main unit after installing batteries. This will ensure easier synchronization between the transmission and reception of signals.

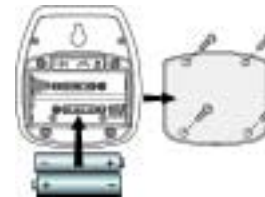
4. Position the remote unit and main unit within effective transmission range, which, in usual circumstances, is 20 to 30 meters.

Note that the effective range is vastly affected by the building materials and where the main and remote units are positioned. Try various set-ups for best result.

Though the remote units are weather proof, they should be placed away from direct sunlight, rain or snow.

**BATTERY AND CHANNEL
INSTALLATION: REMOTE UNIT**

1. Remove the screws on the battery compartment.
2. Select the channel number on the CHANNEL slide switch.



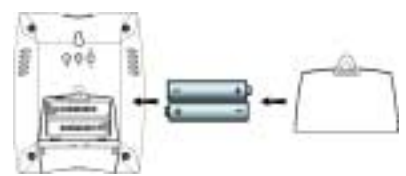
3. Select °C or °F with the °C/°F slide switch.
4. Install 2 alkaline batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
5. Replace the battery compartment door and secure its screws.

Note that once a channel is assigned to a remote unit, you can only change it by removing the batteries or resetting the unit.



BATTERY INSTALLATION: MAIN UNIT

1. Open the battery compartment door.
2. Install 2 alkaline batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.



3. Replace the battery compartment door.

LOW BATTERY WARNING

When it is time to replace batteries, the respective low-battery indicator will show up when the respective channel is selected. The battery level of the main unit will be shown on the indoor temperature and humidity display when it is running low.

HOW TO USE THE TABLE STAND OR WALL MOUNTING

Flip open the table stand for standing the main unit on a flat surface or you can mount the unit on a wall using the recessed screw hole.

As for the remote unit, you can mount the unit on a wall using the recessed screw hole.

Main unit

Wall-mount



Table Stand



Wall-mount



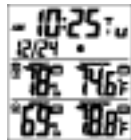


THE RESET BUTTON

This button is only used when the unit is operating in an unfavourable way or malfunctioning. Use a blunt stylus to hold down the button. All settings will return to their default values.

GETTING STARTED

Once batteries are in place for the remote units, they will start transmitting temperature and humidity readings at around 41-second intervals. The main unit will also start searching for signals for about a minute once batteries are installed. Upon successful reception, the individual channel temperatures and humidities will be displayed on the second line and the indoor measurements on the bottom line. The main unit will automatically update its readings at about 41-second intervals.



If no signals are received, blanks "----" will be displayed and the kinetic wave icon will show "☐". Press **CH** and **MEM** simultaneously to enforce another search for about 3 minutes. This is useful in synchronizing the transmission and reception of the remote and main units.

Repeat this step whenever you find discrepancies between the reading shown on the main unit and that on the respective remote unit.



HOW TO CHECK REMOTE REMOTE AND INDOOR READINGS

The indoor temperature and humidity are shown on the bottom line of the display.

As for the remote sites or channels, press **CH** to go from one channel to another. The kinetic wave display on the channel number indicates the reception of that particular channel is in good order.

If the temperature or humidity goes above or below than the measuring range of the main unit or the remote unit (stated in specification), the display will show "**HHH**" or "**LLL**".

TEMPERATURE AND HUMIDITY TREND

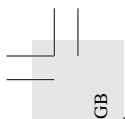
The temperature and humidity trend indicator on the screen shows the trend of samplings collected at that particular remote or indoor site. Three trends, rising, steady and falling, will be shown.

Arrow indicator			
Trend	Rising	Steady	Falling

CHANNEL SCAN FUNCTION

Press and hold **CH** button for 3 seconds to enter channel scan function. The readings of each channel will be displayed one by one for 4 seconds automatically. Press **CH** again to stop the scan function.





HOW TO READ THE KINETIC WAVE DISPLAY

The kinetic wave display shows the signal receiving status of the main unit. There are three possible forms:

The unit is in searching mode.	
Temperature and humidity readings are securely registered.	
No signals.	

MAXIMUM AND MINIMUM TEMPERATURES AND HUMIDITIES

The maximum and minimum recorded indoor temperatures and humidities and those of each channel will be automatically stored in memory. To display them,

1. Select the channel to be checked.
2. Press **MEM** once to display the maximum readings and again the minimum readings. The respective indicators, **MAX** or **MIN** will be displayed.

To clear the memory, hold down **MEM** for two seconds. The maximum and minimum readings will be erased. If you press **MEM** now, the maximum and minimum readings will have the same values as the current ones until different readings are recorded.

DISCONNECTED SIGNALS

If without obvious reasons the display for a particular channel goes blank, press **CH** and **MEM** to enforce an immediate search. If that fails, check:

1. The remote unit of that channel is still in place.
 2. The batteries of both the remote unit and main unit. Replace as necessary.
- Note:** When the temperature falls below freezing point, the batteries of outdoor units will freeze, lowering their voltage supply and the effective range.
3. The transmission is within range and path is clear of obstacles and interference. Shorten the distance when necessary.

TRANSMISSION COLLISION

Signals from other household devices, such as door bells, home security systems, wireless speakers and headphones as well as entry controls, may interfere with those of this product and cause temporarily reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference recedes.

NOTE ON °C AND °F

The unit of temperature display is selected on the °C/°F slide switch. Select °C for Centigrade or °F for Fahrenheit.

CALENDAR CLOCK DISPLAY MODES

Each press on the **MODE** button will toggle the display as below.

MODE 1. Hour-Minute-Second | Month-Day



MODE 2. Hour-Minute-Day of the Week | Month-Day



HOW TO SET THE CLOCK MANUALLY

To set the clock manually, hold **MODE** for three seconds. The hour digits will blink.

Use **▲** or **▼** to select the hour. Keep pressing the button will increase or decrease the value rapidly.

Press **MODE** to confirm. The minute digits will blink. Repeat the same procedure to set the minutes, then the year, month, day-of-month and display language for weekday.

For display language, you can choose among English (E), German (D), French (F), Italian (I) and Spanish (S) - in that order. Day-of-week is the usual sequence of Monday through Sunday.

If there is an item you do not wish to change, simply press **MODE** to bypass the item.


When you are done, press **MODE** to exit. The display will return to the mode last chosen.

HOW TO SET AND ARM THE ALARMS

The GE5805WS6 has a single alarm.


To set an alarm,

1. Press [**AL**] once to display the alarm time.
2. Press [**AL**] for three seconds. The hour digits will blink.
3. Enter the hour using **▲** or **▼**.
4. Press [**AL**]. The minute digits will blink.
5. Enter the minutes using **▲** or **▼**.
6. Press [**AL**] to exit.

The alarm-on icon  will be displayed indicating the alarm is now armed.

You can also arm or disarm an alarm by pressing the [**AL ON/OFF**] button.

ALARM AND SNOOZE FUNCTION









When the alarm is set, it will activate at the set time with the alarm-on icon  flashing. Without interruption, the alarm will activate for 2 minutes.

To stop the alarm, press [**AL**] or [**AL ON/OFF**] key. If the [**SNOOZE**] button is pressed, the snooze function will be triggered. The alarm will stop for eight minutes before activating again.

HOW TO USE AND SCAN THE MOON PHASE

GE5805WS6 is equipped with a moon phase display. The moon phase of the current day is displayed in the clock or alarm time mode.

The eight phased are:

	New Moon
	Waxing Crescent
	First Quarter
	Waxing Gibbous
	Full Moon
	Waning Gibbous
	Last Quarter
	Waning Crescent

To check the moon phase for a particular day, press the **UP** or **DOWN** button once. The clock will enter moon phase scanning mode.

Use the **UP** or **DOWN** button to locate the date you want to check. The calendar will be day-driven in this mode.

You can go back in time or travel to the future, any day between 2000 to 2099. The corresponding moon phase will appear immediately on the screen.

The unit will return to the last display mode when the **UP** and **DOWN** buttons are left idle for 10 seconds.

PRECAUTIONS

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

1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.
3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries as specified in the user's manual. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's manual thoroughly before operating the unit.

SPECIFICATIONS

Temperature Measurement

Main unit

Indoor Temperature measurement

Proposed operating range	: -5.0°C to +50.0°C 23.0°F to 122.0°F
Temperature resolution	: 0.1°C 0.2°F

Remote unit

Proposed operating range	: -20.0°C to +60.0°C -4.0°F to 140.0°F
RF Transmission Frequency	: 433 MHz
No. of Remote unit	: Maximum of 3
RF Transmission Range	: Maximum 30 meters
Sensing cycle	: around 41 seconds

Relative Humidity Measurement for Main and Remote Unit

Relative humidity measurement range	: 25%RH to 95%RH
Resolution	: 1%

Calendar Clock

12 h display with hh : mm ss
Date Format : Month . Day
Day of week selectable in 5 language (E, F, D, I, S)
2-minute single alarm

Moon Phase Function

Moon Phase scanner Range	: From 2000 to 2099
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Power

Main unit	: use 2 pcs UM-3 or "AA" 1.5V battery
Remote sensing unit	: use 2 pcs UM-3 or "AA" 1.5V battery

Weight

Main unit	: 172g (without battery)
Remote sensing unit	: 68g (without battery)

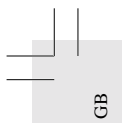
Dimension

Main unit	: 136 x 111 x 34 mm (L x W x T)
Remote sensing unit	: 80 x 70 x 33.5 mm (L x W x T)

NOTE ON COMPLIANCE

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 operations.

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.



FCC :

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 of an experienced radio/TV technician for help.

Company Name: GE Wiring Devices & Specialty Products, Inc.
(d/b/a GE Home Electric Products, Inc.)

Address: 1975 Noble Rd, Cleveland, OH 44112 USA

Contact Person: Beth Eskra

Telephone Number: 216-266-3188

Name and model number of the product:

DIGITAL WIRELESS THERMO-HYGROMETER
GE5805WS6

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.