

# ThermPro

## WIRELESS INDOOR/OUTDOOR HUMIDITY AND TEMPERATURE MONITOR INSTRUCTION MANUAL

Model No. TP-65S

### Introduction

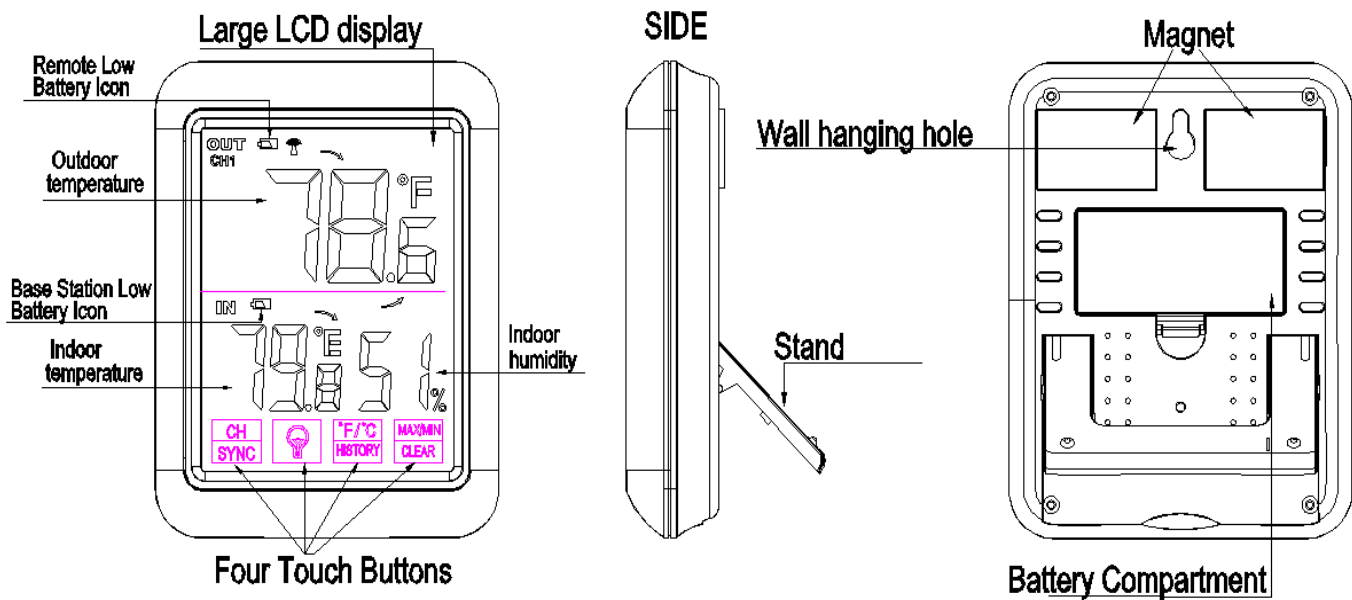
Congratulations on your purchase of the wireless indoor/outdoor humidity and temperature monitor. You will now be able to know the outdoor/indoor temperature and humidity while sitting inside.

### Components

1. One base station unit (Receiver)
2. One remote sensor (Transmitter)

\* Although the remote sensor is designed to be rain-proof, it still must be always put in a dry place to avoid direct rainfall.

### Indoor Base Station (Receiver) Features



1. LCD display: Displays the current outdoor temperature and indoor humidity/temperature
2. Battery Compartment: Holds 2 AAA batteries to power the unit
3. Tabletop and wall-mounted design
4. Indoor Temperature range: -4 °F ~ 158°F (-20 °C ~ 70 °C).
5. Humidity range: 10% ~ 99%.
6. Temperature display unit: °C and °F selectable
7. Temperature Resolution: 0.1 °C/°F
8. Humidity Resolution: 1%

9. Low battery indication
10. Four touch buttons
11. Backlight


## Touch Buttons

**CHANNEL/SYNC:** Press once to display the temperature readings from up to 3 outdoor remote sensors; Press and hold this button to enter the synchronization mode.

**MAX/MIN/CLEAR:** Touch once to display the maximum or minimum temperature and humidity; Press and hold to clear the history data.

**°F/°C/History:** Press to select the temperature display in °C or °F; When the display shows the maximum or minimum temperature and humidity. Touch this button once to set the maximum and minimum data record time interval between ALL TIME or 24 hours.

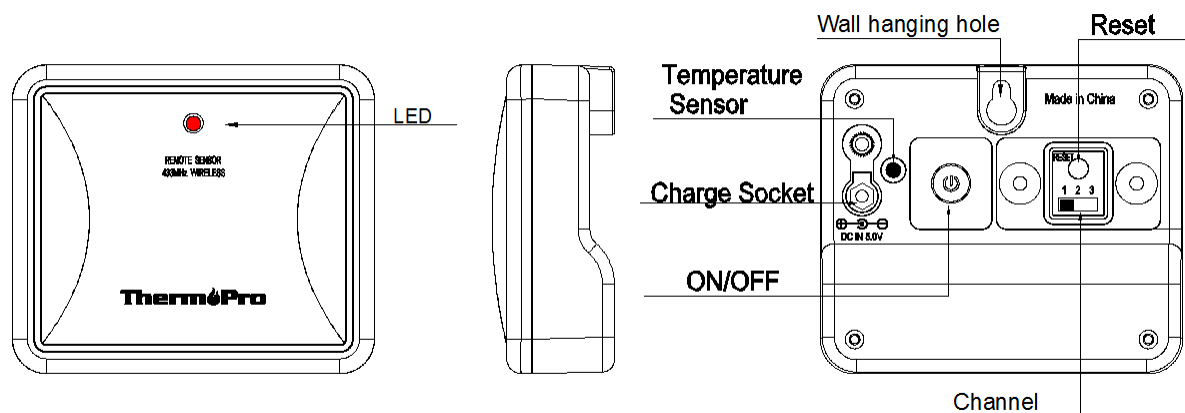
Note: Both ALL TIME and 24 hours represent the time after you manually cleared the history data last time or installed a new battery.

 : Touch once to turn on/off backlight. If you don't press the button in 15 seconds, the backlight will automatically turn off.

## Temperature & HUMIDITY Trend

1. ↗ indicates the temperature & humidity is in an increasing trend.
2. → indicates the temperature & humidity is in a no change trend.
3. ↘ indicates the temperature & humidity is in a decreasing trend.

## Outdoor Remote Sensor (Transmitter) Features



1. Built-in rechargeable lithium battery: Type 18650
2. Rain-proof and wall-mounted design
3. Outdoor Temperature range: -58°F ~ 158°F (-50 °C ~ 70 °C)
4. Adapter input: AC100-240V 50/60Hz; Output: DC5.0V 300mA

## Buttons

To access CHANNEL SELECTOR and RESET buttons, you need to unscrew the cover as per Fig.



**CHANNEL** Selector (1,2,3): Slide to set Channel 1,2 or 3.

**RESET:** Press once to reset the remote sensor.

 : Press and hold for 2 seconds to turn ON/OFF the unit.

### Low battery Warning

If the battery power (base station or remote sensor) is low, there will be low battery icon showing on the base station display.

If the low battery icon for base station shows up, please replace the batteries with new one.


If the low battery icon for remote sensor shows up, please charge the remote sensor as soon as you can.

### Installing Batteries

1. Base station: open the battery compartment of the base station and insert two “AAA” batteries with correct polarity.
2. A built-in rechargeable lithium battery is installed in the remote sensor. Although there could be some power in the rechargeable battery before the unit leaves factory, it is always good to fully recharge it before using by following the below steps:
  - a. Connect the charger to the charging socket located on the back of the remote sensor;
  - b. Plug the charger into a standard AC outlet;
  - c. The red light on the remote sensor will light up;
  - d. Charge it for at least 4 hours until the light changes from red to green which indicates charging is complete.


### Synchronize Remote Sensors with The Base Station

1. Place the remote sensor near the base station;

2. Once the batteries are installed in the base station, the RF indicator  (located on the upper left of the base station display) will flash for 3 minutes, indicating that the base station is in synchronization mode: it is waiting for remote sensors to be registered.

3. Set the CHANNEL selector (on the back of the remote sensor unit) to position 1 or 2 or 3. The unit is pre-set Channel 1 and you can always leave it unchanged unless you have purchased more than 1 remote sensor.

4. Press and hold ON/OFF button on the back of the remote sensor for 2 seconds to turn on the remote sensor. Then wait for a moment until the temperature of the remote sensor display on the base station that indicates the synchronization is complete.

3. If the synchronization is not successful after 3 minutes when the batteries are installed in the base station and the RF indicator  no longer flashes, press and hold the CHANNEL/SYNC button on the left bottom of the base station LCD display for 3-4 seconds until the RF indicator flash again to set it back in synchronization mode;

5. If you have additional remote sensors, repeat the above steps to synchronize the additional remote sensors (up to 3 remote sensors can be registered with one base station). Please note the additional sensors should be set to a different channel.

6. If you have registered more than one sensor, press the CHANNEL/SYNC button on the base station to select the remote channel you want displayed permanently on the base station. Press CHANNEL/SYNC button until you observe a circular arrow on the base station LCD display under the channel number, then the unit will auto-scroll, changing from channel to channel every 5 seconds.

## **Place the Base Station and Remote Sensor**

1. The indoor base station (receiver) should always be placed in a well ventilated indoor area and located away from vents, heating or cooling elements, direct sunlight, windows, doors, or any other openings.

2. The remote sensor (transmitter) can be placed on a flat surface indoor or outdoor. Make sure the sensor is within the wireless distance from the base station and with minimal obstructions. Although the remote sensor is designed to be rain-proof, it still must be always put in a dry place to avoid direct rainfall.

3. The base station and remote sensor can both be wall mounted.

## **Maximum & Minimum Recorded Temperature & Humidity**

1. Press MAX/MIN/Clear button once to display the highest indoor temperatures/humidity and outdoor temperatures recorded. MAX is shown on the display.

2. Press MAX/MIN/Clear button again to display the lowest indoor temperatures/humidity and outdoor temperatures recorded. MIN is shown on the display.

3. To clear and reset the max/min records, press and hold MAX/MIN/Clear for 3 seconds.

4. When the MAX or MIN records are shown on the LCD display, press ALL-TIME/24 button once to select the data record time interval between ALL TIME or 24 hours.

Note: Both ALL TIME and 24 hours represent the time since you last time manually cleared the history data or battery installation.

## **PURCHASING ADDITIONAL REMOTE SENSORS**

The model number of the remote sensor for this unit is TX-3.

Additional sensors may be ordered directly from Amazon or ThermoPro by contacting our customer service listed below.

## **Hints and Tips**

If the receiver can't connect to the transmitter, try as following:

- Repeat the synchronization process as described above.
- Relocate the base station or the remote unit until connection is established again.
- Signals from other electronic devices may cause interference. Place the base station and receiver away from these devices.
- If the base station is attached to a refrigerator or a metal object by magnet, the transmission may be shorter. Remove the base station from the refrigerator or the metal object or place the base station and remote sensor as close as possible.

## **Warnings**

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not immerse the unit in water.
- Do not remove any screws.
- Do not dispose this unit in a fire. IT MAY EXPLODE.
- Keep unit away from children. The unit or parts of the unit might be a choking hazard.
- Dispose of the unit legally and recycle when possible.

## **Specifications**

1. 433 Mhz transmission frequency
2. Transmission range up to 200 feet in open area. (range maybe shorter based on interference present)
3. Indoor Temperature range: -4 °F ~ 158°F (-20 °C ~ 70 °C)
4. Outdoor Temperature range: -58°F ~ 158°F (-50 °C ~ 70 °C)
4. Humidity range: 10% ~ 99%.
5. Temperature tolerance: +/- 2.0 °F (+/- 1.1 °C)
6. Humidity tolerance: ±2% from 30% to 80%; ±3% below 30% and above 80%
7. Power: 2 X AAA 1.5V for base unit and 18650 lithium battery 3.6V for remote sensor

## **FCC STATEMENT OF 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.
- 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 of 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.

### **IC Caution**

RSS-Gen Issue 4 November 2014" & "CNR-Gen 4e édition November 2014:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

- French:

Le présent appareil est conforme aux CNR d'Industrie 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, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF. L'appareil peut être utilisé dans une condition d'exposition portable sans restriction.

## **LIMITED ONE-YEAR WARRANTY**

ThermoPro warrants this product to be free of defects in parts, materials and workmanship for a period of one year, from date of purchase.

Should any repairs or servicing under this warranty be required, contact Customer Service by phone or email for instructions on how to pack and ship the product to ThermoPro.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

## **CUSTOMER SERVICE**

Telephone: 1-877-515-7797 (USA & Canada only)

Email: [service@buythermopro.com](mailto:service@buythermopro.com)

Hours: Weekdays 9:00 AM- 6:00 PM EST