ThermoPro

Wireless Weather Station
Instruction Manual

280B-V20220108 EN

1 Introduction

Congratulations on your purchase on this wireless weather station coming with weather forecast, barometric pressure display, indoor temperature/humidity display and outdoor temperature display.

2 Components

1 x Base Station Unit (receiver)
1 x Outdoor Remote Sensor (transmitter)
1 x USB Charging Cable
3 x AAA Batteries
1 x Manual

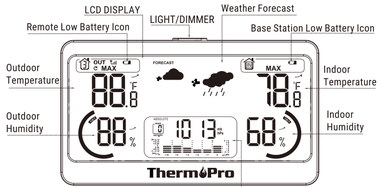
*** Although the remote sensor is designed to be rain-proof, it is preferable to put it in a dry place to avoid direct rainfall and sunlight for better measurement accuracy.**

3 Product Features and Specification

1. LCD display: Displays the current outdoor humidity/temperature, indoor humidity/temperature, weather forecast and barometric pressure including its history.
2. Transmission range: Up to 1000 feet in open area. (Range maybe shorter based on interference present)
3. Indoor Temperature range: -22.0˚F ~ 140.0˚F(-30.0˚C ~ 60.0˚C), humidity range: 10% ~ 99%.
4. Outdoor Temperature range: -40.0˚F ~ 158.0˚F (-40.0˚C ~ 70.0˚C).
5. Temperature tolerance: ±0.5˚F(±0.3˚C) from 32 to 158˚F (0 to 70˚C), otherwise ±0.9˚F (±0.5˚C).
6. Humidity tolerance: ±2% from 20% to 80%, otherwise ±3%.
7. Three humidity levels: dry when less than 40%, good when 40%-70%, humid when more than 70%
8. Low battery indication for both base station and remote sensor.
9. Backlight LCD display.

10. Rain proof remote sensor.
11. Power source: Three AAA batteries/USB changer for base station and one built-in rechargeable lithium battery for remote sensor.

4 Base Station (Receiver)



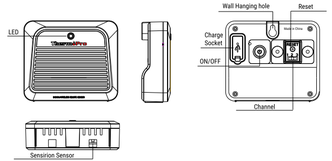
5 Buttons

1. **LIGHT/DIMMER**: When the product is powered through the adapter, press the button to select among 4 brightness levels for the background light. (When the product is on battery-power, the background light will turn off after 15 seconds, and you can't select the brightness levels for the backlight).
2. **WEATHER**: Press it to select between one of six weather conditions (sunny, partially cloudy, cloudy, rainy, thunderstorms, snow) that can best reflect the current weather condition.
3. °C/°F : Press it to select temperature display unit in °C or °F.
4. SET: Press once to select from ABSOLUTE or RELATIVE atmosphere, when the ABSOLUTE or RELATIVE icon flashes, press ▲ or CH to select between ABSOLUTE and RELATIVE, press the SET button again. When the ABSOLUTE icon is flashing, press the SET button to select the barometric pressure display unit between inHg or mb(hPa) by pressing the ▲ or ▼ buttons. When the RELATIVE icon is flashing, press the SET button to select the altitude display unit between meters or feet, altitude, barometric pressure display unit in inHg or mb(hPa). For each of the options ▲ or CH buttons to select the values when the corresponding icon is flashing. Setting will be automatically if no button has been pressed in 5 seconds.
5. HISTORY: Press to display barometric pressure for the past 12 hours.
6. MAX/MIN: Press once to show the maximum and minimum temperature and humidity since last reset. Press and hold to clear the MAX/MIN records.
7. CH ▼ : Press once to display the temperature readings from up to 3 outdoor remote sensors. Press and hold this button to enter the synchronization mode.

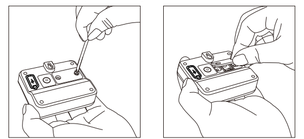
6 Temperature & HUMIDITY Trend

1. ↗ indicates the temperature & humidity is in an increasing trend.
2. → indicates the temperature & humidity is steady.
3. ↘ indicates the temperature & humidity is in a decreasing trend.

7. Outdoor Remote Sensor (Transmitter)



Note: To access CHANNEL SELECTOR and RESET buttons, you need to unscrew the cover as per below figures.



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.
(ON: Flash 1 time, OFF: Flash 3 times)

8 Installing Batteries

1. Base station: open the battery compartment and insert three "AAA" batteries (for backup, not included in the device) with correct polarity.

2. A built-in rechargeable lithium battery is installed in the remote sensor. Charge the remote sensor before using by following the steps below:
   a. Connect the charging cable (provided in packaging) into your wall charger and plug the other end into the charging socket located on the back of the remote sensor.
   b. Plug the wall charger into a standard AC outlet.
   c. The remote sensor will light up red.
   d. Charge the remote sensor until the light changes from red to green which indicates charging is completed.

9 Low Battery Warning

If the battery power in the base station or remote sensor is low, a low battery icon will display on the base station.
If the low battery icon for base station appears, please replace the batteries.
If the low battery icon for remote sensor appears, please charge the remote sensor.

10 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 in the upper left of the outdoor temperature display section) will flash for 3 minutes, indicating that the base station is in Synchronization Mode and waiting for remote sensors to be synced.
3. Set the CHANNEL selector (on the back of the remote sensor) to position 1 or 2 or 3. The unit is pre-set to Channel 1 and you can always leave it unchanged unless you have purchased more than 1 remote sensor.
4. Press and hold the 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 remote sensor displays on the base station.
5. If the synchronization is unsuccessful after 3 minutes after the batteries

were installed in the base station and the RF indicator is no longer flashing, press and hold the CHANNEL button on the back of the base station for 3-4 seconds until the RF indicator begins to flash again indicating it's back in Synchronization Mode.

6. If you have additional remote sensors, repeat the above steps to synchronize the additional remote sensors (up to 3 remote sensors can be synced to one base station). Please note the additional sensors should be set to a different channel.
7. If you have registered more than one sensor, press the CHANNEL button on the base station to select the remote sensor you want displayed permanently on the base station. Press CHANNEL button until you observe a circular arrow ↻ on the base station LCD display next to the channel number, then the unit will uto-scroll, changing from channel to channel every 5 seconds.

11 Thermometer

1. Once the remote sensor and base station are synchronized, the indoor temperature/humidity and outdoor temperature/humidity will be both shown on the base station.
2. Maximum & Minimum Recorded Temperature & Humidity
   a. Press the MAX/MIN button once to display the highest indoor temperature/ humidity and outdoor temperatures recorded, MAX will be shown on the display.
   b. Press the MAX/MIN button again to display the lowest indoor temperature/ humidity and outdoor temperature/humidity recorded, MIN will be shown on the display.
   c. To clear and reset the max/min records, press and hold MAX/MIN for 3 seconds.

12 Barometer

Your station provides Absolute & Relative Barometric Pressure in Two Formats:

- Absolute Barometric Pressure: the actual pressure near the device.
- Relative Barometric Pressure: sea-level pressure, it is requested to set the altitude first. When RELATIVE≥ABSOLUTE, the value of barometric pressure will be decreased along with the increasing of altitude.

Pressure number:

- Press SET button on the back you can select the pressure unit of Inches of Mercury (inHg default) or Hecto Pascal (hPa).

History Graph:

- Read from left to right, your Pressure History Graph indicates the rise and fall in air pressure over the past 24 hours.
- The numbers below represent how many hours ago the reading was taken. The "0h" is the current pressure level. "-3h" was the reading taken three hours ago, compared to current pressure.
- The graph will scroll continually. This cannot be turned off.

Press HISTORY button on the back of the base station to show the actual barometric pressure value in the past 1 to 12 hours.

Rising(up) Falling(down)

13 Weather Forecast

The initial current weather condition should be set before the weather station can accurately forecast the weather for the next 12~24 hours. Press the WEATHER button on the back of the base station and the weather symbols on the top of the screen will change. Choose one of six weather symbols (sunny, partially cloudy, cloudy, rainy, thunderstorms, snow) that best reflects the current weather conditions.

14 Interpreting the weather forecast symbols

The weather station requires at least 24 hours for it to acclimatize to local weather conditions. The weather station process and analyze the weather patterns including temperature and barometric pressure change for the past 24 hours in order to determine the forecast, only then the predicted weather forecast will reflect the actual weather for your immediate area. Until that time has elapsed, the predicted weather forecast may not accurately reflect the actual weather tor your immediate area.

The weather station will display the symbols to Indicate the predicted weather forecast for the next 12 to 24 hours for an area within a radius of approximately 20-30 miles or 30-50 km.

Note:

a. The weather forecasting is approximately 70% accurate. The accuracy rate might be lower in extreme weather conditions. The weather forecasting is for reference and for domestic use only. Do NOT rely on the weather station for weather forecast for any serious matters such as health, business and financial decisions and/or agricultural planning and certainly not for life and death situations.
b. The weather forecast does not display the current weather. It displays the weather for the next 12~24 hours.

15 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.

16 Purchasing Additional Remote Sensors

The model number of the remote sensor for this unit is TX-6B (USA & Canada Version), TX-6C (European Version).

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

17 Hints and Tips

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

- 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.
- If the receiver can't connect to the transmitter, try as following:
  a. Repeat the synchronization process as described above.
  b. Relocate the base station or the remote unit connection is established again.

18 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.

19 Disposal

You can help protect the environment! Please remember to respect the local regulations. Hand in the non-working electrical equipment to an appropriate waste disposal center.

20 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

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.

21 EC Conformity

Hereby, the manufacturer declares that this product complies with the basic requirements and applicable regulations of the Radio Equipment Directive 2014/53/EU, the EMC Directive 2014/30/EU. The complete declaration of conformity can be found at:
https://itronicsmall.com/eu-declaration-of-conformity/

22 CUSTOMER SERVICE

Call or Text: 1-877-515-7797(USA & Canada only)
44-808-164-1683(UK)
Email: service@buythermopro.com
Hours: Weekdays 8:00 AM- 8:00 PM EST(USA & Canada only)
1:00 PM - 12:00 PM CET(UK)