

Protmex PT3374

Protmex Wireless Weather Station PT3374 User Manual

Model: PT3374 | Brand: Protmex

1. INTRODUCTION

Thank you for purchasing the Protmex PT3374 Wireless Weather Station. This multifunctional device provides accurate indoor and outdoor temperature and humidity readings, barometric pressure, and a weather forecast. It also functions as an alarm clock with a colorful display, enhancing your daily life with essential environmental data. Please read this manual carefully before use to ensure proper operation and to fully utilize all features.

2. PRODUCT OVERVIEW

The Protmex PT3374 consists of a main display unit and a wireless outdoor sensor. Familiarize yourself with the components and their functions.

2.1 Main Unit Features

- **Colorful LCD Display:** Shows time, date, indoor/outdoor temperature and humidity, weather forecast, barometric pressure, and moon phase.
- **Alarm Clock with Snooze:** Set daily alarms with a convenient snooze function.
- **Barometer:** Displays atmospheric pressure and pressure tendency.
- **Weather Forecast:** Predicts weather conditions based on barometric pressure changes.
- **Comfort Level Indicator:** Provides a visual representation of indoor comfort.
- **Temperature & Humidity Trend:** Shows rising, falling, or steady trends for both indoor and outdoor conditions.
- **Ice Alert:** Notifies when outdoor temperature approaches freezing.

2.2 Wireless Outdoor Sensor

The compact outdoor sensor wirelessly transmits temperature and humidity data to the main unit.

2.3 Component Identification



- A1: Weather Forecasting,
- A2: Barometric pressure
- A3: Outdoor Temperature
- A4: Indoor Temperature
- A5: Outdoor Humidity
- A6: Indoor Humidity
- A7: Time/Calendar or Alarm time/ Weed
- A8: Time Moon Phase

- B1: "SNOOZE/LIGHT" touch field
- B2: Hook Hole
- B3: Keypad
- B4: Battery Compartment
(Powered by 2 LR6 AA batteries, not included)
- B5: Support Frame
- B6: Power Supply Socket

Figure 2.1: Main Unit and Wireless Sensor with Labeled Parts

This image shows the front and back of the main weather station unit and the wireless outdoor sensor, with key components labeled for easy identification. Labels include display areas for weather forecasting, barometric pressure, outdoor and indoor temperature/humidity, time/calendar, and moon phase on the front. The back of the main unit shows buttons (DOWN, UP, ALARM, SET, MEMORY, HPA/INHG, ALERT, SNOOZE/LIGHT), a hook hole, battery compartment, support frame, and power supply socket.



Figure 2.2: Protmex PT3374 Weather Station Overview

A clear view of the Protmex PT3374 main display unit and its accompanying wireless outdoor sensor. The main unit features a large, colorful display showing various weather parameters and time, while the compact outdoor sensor is designed for remote placement.

3. SETUP

3.1 Unpacking

Carefully remove all components from the packaging. Ensure you have the main unit, wireless outdoor sensor, and power adapter.

3.2 Battery Installation

The main unit can be powered by the included AC adapter or by batteries (for backup). The outdoor sensor requires batteries.

1. **Main Unit:** Open the battery compartment on the back. Insert 3 x AAA batteries (not included) according to the polarity markings. For continuous backlight, connect the AC power adapter to the power supply socket on the back of the main unit and plug it into a wall outlet.
2. **Outdoor Sensor:** Open the battery compartment. Insert 2 x AA batteries (not included) according to the polarity markings.



Figure 3.1: Battery Installation

This diagram illustrates the correct insertion of AAA batteries into the main unit and AA batteries into the wireless outdoor sensor, showing the battery compartments and polarity indicators.

3.3 Sensor Pairing

After installing batteries in both units, the main unit will automatically search for the outdoor sensor. Ensure both units are within range. If pairing fails, press and hold the "CHANNEL" button on the main unit to initiate a manual search.

3.4 Initial Settings

Upon first power-up or after a reset, you may need to set the time, date, and measurement units.

1. Press the "SET" button to enter time setting mode.
2. Use the "UP" or "DOWN" buttons to adjust values.
3. Press "SET" again to confirm and move to the next setting (e.g., 12/24 hour format, hour, minute, year, month, day, temperature unit (°C/°F), pressure unit (hPa/inHg)).
4. Press "SET" repeatedly until all settings are confirmed or the unit exits setting mode automatically.

4. OPERATING INSTRUCTIONS

4.1 Time and Alarm Functions

- **Setting Alarm:** Press the "ALARM" button to view alarm time. Press and hold "ALARM" to enter alarm setting mode. Use "UP" or "DOWN" to adjust, and "ALARM" to confirm.
- **Activating/Deactivating Alarm:** Press "ALARM" repeatedly to toggle the alarm on/off.
- **Snooze Function:** When the alarm sounds, press the "SNOOZE/LIGHT" button to activate snooze. The alarm will sound again after approximately 5 minutes.

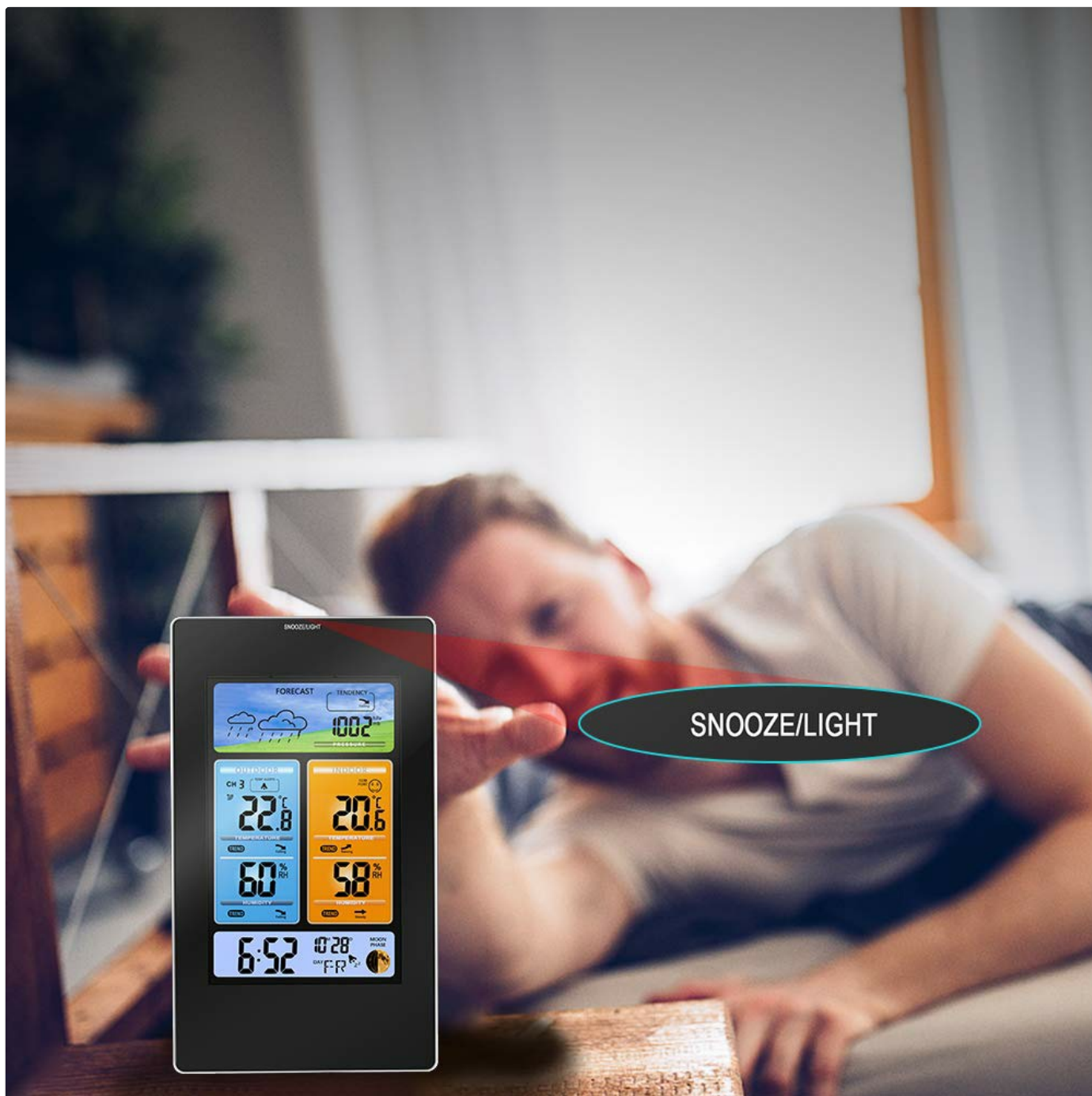


Figure 4.1: Snooze/Light Button Usage

This image demonstrates the use of the "SNOOZE/LIGHT" touch field, typically located at the top of the main unit, for activating the snooze function or temporarily illuminating the display backlight.

4.2 Weather Display and Forecast

The weather station provides a forecast for the next 12-24 hours based on barometric pressure changes.

- **Forecast Icons:** The display shows icons for Sunny, Partly Cloudy, Cloudy, Rainy, and Snowy.
- **Barometric Pressure:** Displays current atmospheric pressure. Press "HPA/INHG" to switch between hPa and inHg units.
- **Pressure Tendency:** An arrow indicates if the pressure is rising, falling, or steady.



Figure 4.2: Weather Forecast Icons

This image illustrates the various weather forecast icons displayed on the main unit, including sunny, partly cloudy, cloudy, rainy, and snowy conditions, providing a visual prediction of upcoming weather.

4.3 Temperature and Humidity

- **Indoor/Outdoor Readings:** The display shows current indoor and outdoor temperature and humidity.
- **Trend Indicators:** Arrows next to temperature and humidity readings indicate if values are rising, falling, or stable.
- **Ice Alert:** An ice crystal icon appears when the outdoor temperature drops to a level indicating potential ice formation (typically below 3°C or 37.4°F).



Figure 4.3: Trend Indicators

This image highlights the trend indicators for temperature and humidity on the main display, showing arrows that signify whether the readings are rising, falling, or remaining steady.



Figure 4.4: Ice Alert Feature

An illustration of the ice alert icon appearing on the display when the outdoor temperature reaches a critical level, warning of potential freezing conditions.

4.4 Comfort Level Indicator

The comfort level indicator provides a quick visual reference for indoor environmental comfort based on temperature and humidity.

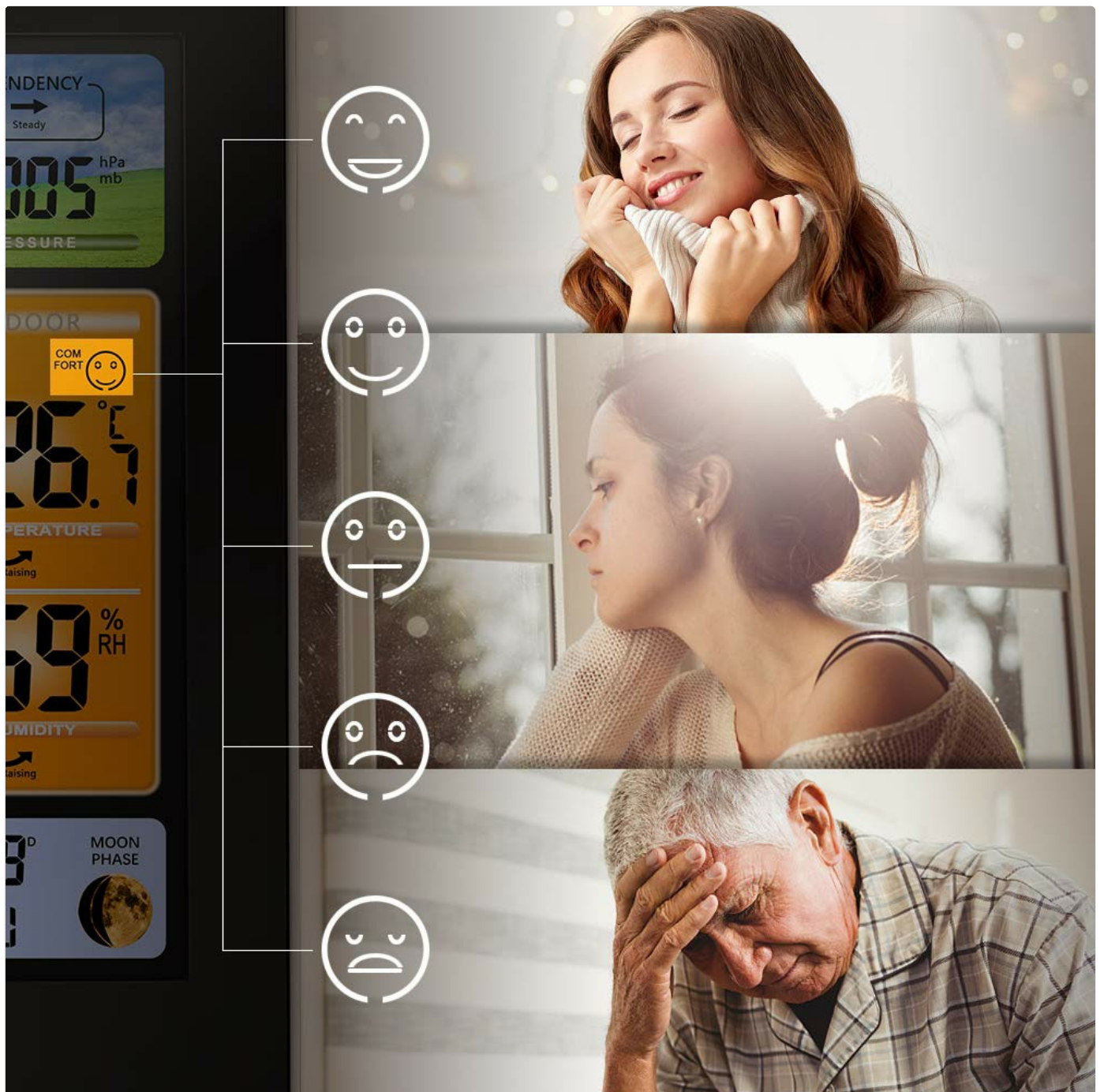


Figure 4.5: Comfort Level Indicator

This image shows the comfort level indicator, represented by various facial expressions, which changes based on the indoor temperature and humidity to indicate whether the environment is comfortable, too dry, or too humid.

4.5 Outdoor Sensor Placement

For accurate outdoor readings, place the wireless sensor in a sheltered location away from direct sunlight and precipitation. Ensure it is within the main unit's transmission range (typically up to 60 meters/200 feet in open air).

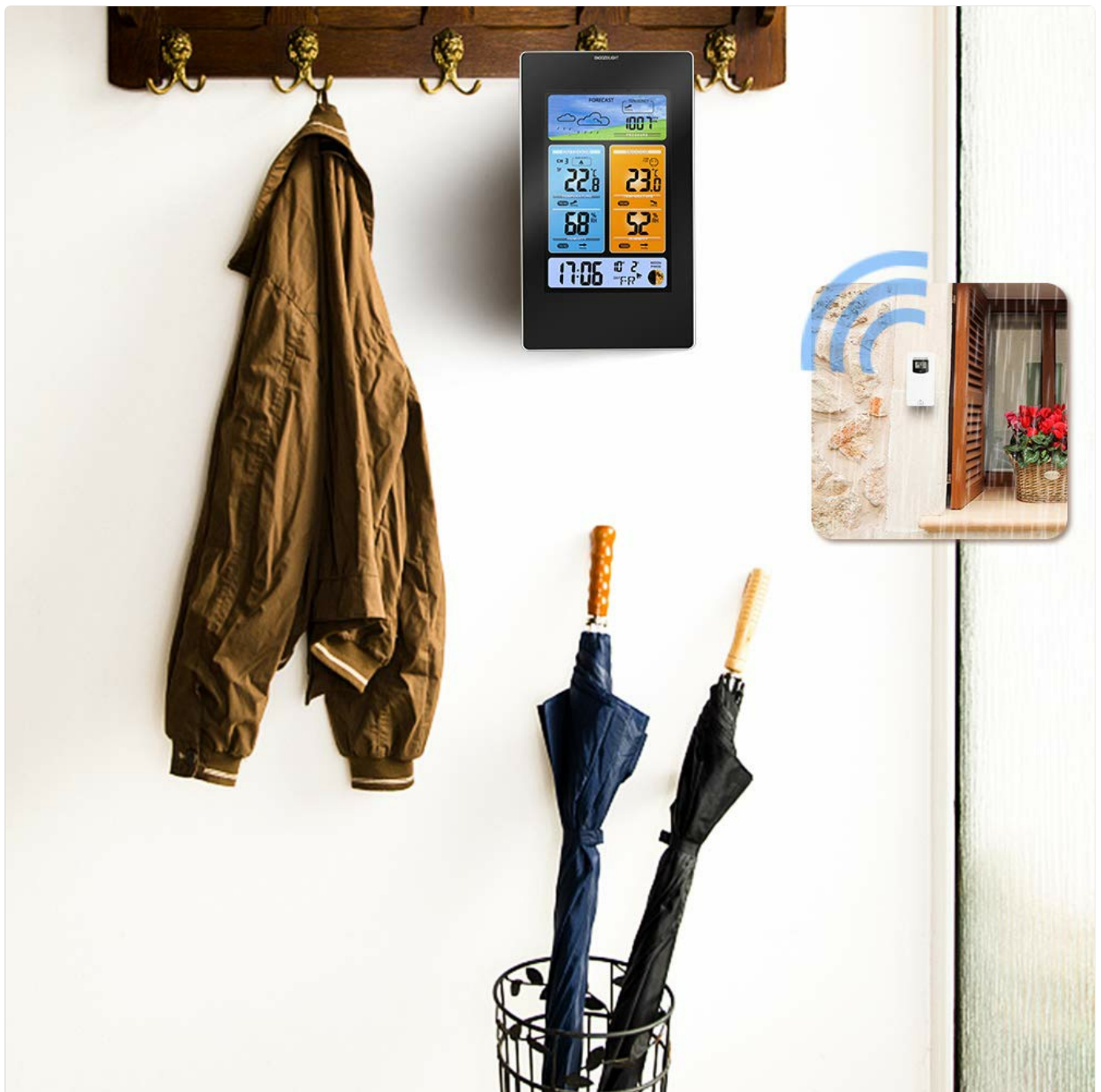


Figure 4.6: Optimal Outdoor Sensor Placement

This image illustrates the recommended placement of the main unit indoors and the wireless outdoor sensor in a sheltered outdoor location, ensuring optimal signal transmission and accurate readings.

5. MAINTENANCE

- **Cleaning:** Wipe the main unit and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the display. Always replace all batteries at the same time.
- **Storage:** If storing the unit for an extended period, remove all batteries to prevent leakage.
- **Environmental Conditions:** Avoid exposing the units to extreme temperatures, direct sunlight, or excessive moisture.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|--|---|--|
| No outdoor temperature/humidity reading. | Sensor out of range, low sensor batteries, interference. | Move sensor closer to main unit. Replace sensor batteries. Relocate units away from electronic devices. Press and hold "CHANNEL" button on main unit to re-pair. |
| Incorrect time/date. | Time not set correctly, power interruption. | Manually set time and date (refer to Section 3.4). Ensure AC adapter is connected for continuous power. |
| Display is dim or blank. | Low main unit batteries, AC adapter not connected. | Replace main unit batteries. Connect AC adapter for continuous backlight. |
| Inaccurate weather forecast. | Weather forecast is a prediction, not always 100% accurate. | The forecast is based on barometric pressure trends and may not always match official forecasts. It provides a general indication. |

7. SPECIFICATIONS



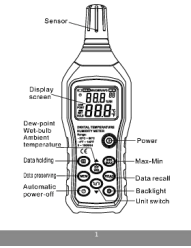
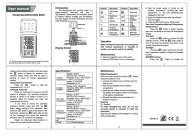


| Feature | Detail |
|-----------------------------|--|
| Model Number | PT3374 (Part No: PPT-WS010) |
| Item Weight | 540 g |
| Package Dimensions | 25 x 22.5 x 6 cm |
| Power Type (Main Unit) | Battery (3 x AAA, not included), Power Cord (AC Adapter) |
| Power Type (Outdoor Sensor) | Battery (2 x AA, not included) |
| Max Temperature Rating | 60°C |
| Brand | Protmex |

8. WARRANTY AND SUPPORT

Protmex products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Protmex website. If you encounter any issues or have questions regarding your PT3374 Weather Station, please contact Protmex customer support for assistance. Contact information can typically be found on the product packaging or the official brand website.

For the latest support information and FAQs, please visit: www.protmex.com (Note: This is a placeholder URL as no specific support link was provided in the product data.)



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| <p>PT20C Weather Station Clock WWVB RCC/NO RCC Version User Manual</p>  | <p>PT20C Weather Station Clock User Manual</p> <p>User manual for the Protmex PT20C Weather Station Clock, detailing its features, setup, operation, and functions including temperature, humidity, air pressure, weather forecast, and alarm settings. Covers RCC and WWVB versions.</p> |
| <p>PT20C Weather Station Clock WWVB RCC / NO RCC Version User Manual</p>  | <p>PT20C Weather Station Clock User Manual</p> <p>User manual for the Protmex PT20C Weather Station Clock, covering features, operation, settings, specifications, and troubleshooting for both WWVB RCC and NO RCC versions.</p> |
| <p>A Schematic Diagram for the Meter</p>  | <p>Protmex PT6508 Digital Temperature Humidity Meter User Manual</p> <p>Comprehensive user manual for the Protmex PT6508 Digital Temperature Humidity Meter, covering operation, display screen, maintenance, and technical specifications for measuring ambient temperature, dew point, and wet bulb.</p> |
|  | <p>Protmex HT607 Temperature & Humidity Meter User Manual</p> <p>Comprehensive user manual for the Protmex HT607 Temperature & Humidity Meter, detailing its features, operation, specifications, and maintenance. Learn how to measure ambient temperature, humidity, dew point, and wet bulb temperature with this high-precision digital hygrometer.</p> |
|  | <p>Protmex HT609 Gas Leak Detector User Manual</p> <p>User manual for the Protmex HT609 Gas Leak Detector, covering safety information, operation, specifications, and maintenance.</p> |
| <p>USER MANUAL Temperature & Humidity Meter</p>  <p>142MM</p> | <p>Protmex PM6508 Digital Temperature & Humidity Meter User Manual - Environmental Monitoring</p> <p>Comprehensive user manual for the Protmex PM6508 digital temperature and humidity meter. This guide details operation, features, and specifications for measuring ambient, dew point, and wet bulb temperatures, including MIN/MAX recording, data hold, and data storage. Ideal for indoor/outdoor environmental monitoring.</p> |