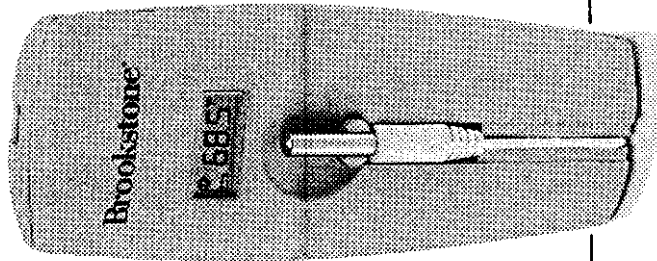


Brookstone®

WeatherSmart™

*Indoor/Outdoor Thermometer
Transmitter*



Brookstone®

Nashua, New Hampshire 03062
Customer Service 800-846-3000
212894

M a n u a l

212894

Information to User - FCC Notice

The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
(i) this device may not cause harmful interference, and
(ii) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for 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 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: (i) re-orient or relocate the receiving antenna, (ii) increase the separation between the equipment and Receiver, (iii) connect the equipment into an outlet on a circuit different from that to which the Receiver is connected, and (iv) consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by Headwaters Research and Development Inc. could void the user's authority to operate the equipment.

Measurement and temperature transmission will continue and the temperature readings will become visible again when the temperature rises above 10°F.

Situation:

How do I add more Transmitters to my WeatherSmart™ Thermometer system?

Solution:

- (i) Your WeatherSmart™ Receiver can receive temperature readings from up to 4 separate WeatherSmart™ Transmitters. To set-up each additional Transmitter, please follow the instructions included with each Transmitter.
- (ii) Make sure that each additional Transmitter:
- communicates on the same channel as your Receiver (Channel A or B) and;
 - that each Transmitter is assigned its own individual location number (1,2,3 or 4).
- For example:** if your Receiver is set to Channel A and you have 2 Transmitters, designate the first Transmitter as *Location 1* by sliding the switch marked 1 under Channel A ON. Designate the second Transmitter as *Location 2* by sliding the switch marked 2 under Channel A ON.

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CAUTION

Read this before operating your unit

- 1 This unit is a sophisticated electronic device. To ensure proper operation and the best possible performance, please read this manual carefully.
- 2 The unit may be subject to interference from external sources such as transformers, electric motors or other electronic devices. To avoid distortion created by such sources, it is advised that you place the unit as far away as possible from such sources.
- 3 Under any circumstances, do not open the housing of this unit. To do so may result in damage to the unit. If any foreign object enters the unit, contact customer service for assistance.
- 4 Do not apply excessive force when using any of the switches or controls.
- 5 Do not attempt to clean the unit with a chemical solvent as this might damage the finish. Use a clean, dry cloth.
- 6 Please be sure to read the PROBLEM SOLVING section of this manual for advice on common operating errors before concluding that your unit is faulty.
- 7 Always keep this manual in a safe place for future reference.

- (i) operates on the same transmission channel as the Receiver, and (ii) that each Transmitter is assigned a different number between 1 and 4.

PROBLEM SOLVING

Situation:

My Receiver does not show remote temperatures.

Solution:

- (i) Reset the Receiver's computer controlled electronics by unplugging the AC/DC Adapter from the wall and plugging it back again, or by pushing the Reset button (with a pencil) located at the back of the Receiver.
- (ii) Check that the batteries are properly installed in the Transmitter(s) and the Radio Transmission Indicator is visible on the Transmitter display.
- (iii) Check that you have turned the Transmitter ON and that the Transmitter channel (A or B) is the same as the channel selected on the Receiver.

Situation:

The LCD display on my Transmitter is blank.

Solution:

- (i) Check that fresh batteries have been properly installed in the Transmitter.
- (ii) The LCD display can withstand cold temperatures, but if the temperature drops below 10°F, the Transmitter's LCD display may not show the temperature. Do not be alarmed!

Transmission and Low Battery Indication

Your WeatherSmart™ Thermometer indicates that transmission is occurring and if the batteries are low.

Transmission Indication - Transmission between the Transmitter and the Receiver is indicated in 2 ways: (i) the *Radio Transmission Indicator* located on the Transmitter display shows an  icon; and (ii) the temperature of the monitored location is displayed on the Receiver display.

Should the transmission cease, the display will be blank for that monitored location.

Low Battery Indication - Notification that your Transmitter batteries are low will occur via 1 or both of the following ways: (i) the *Low Battery Indicator* icon () becomes visible on the Transmitter display; and/or (ii) temperature for a particular location is no longer displayed on the Receiver display. Instead, that area is blank.

ADDING MORE TRANSMITTERS

You may use up to 4 Weathersmart™ Transmitters with each Weathersmart™ Thermometer Receiver. Adding more Transmitters is simple. Simply follow the set-up steps described on page 12, making sure that each Transmitter:

ABOUT YOUR TRANSMITTER

Your Weathersmart™ Transmitter works with a Weathersmart™ Thermometer Receiver. The Transmitter measures remote temperature and sends the reading via advanced radio technology to your Receiver so you can conveniently keep track of the temperature in a selected remote area. You can use up to 4 Transmitters with each Weathersmart™ Thermometer Receiver.

Please follow this manual for the proper set up, use and care of this revolutionary product.

TRANSMITTER FEATURES

Powerful 315 MHZ Digital Signal

Transmits a dependable radio signal to your Receiver. ClearCode™ anti-interference technology ensures accurate, distortion-free transmission.

250 Ft. range

Transmits remote temperature readings to a Receiver up to 250 feet away.

Transmitter works over a wide temperature range

This unit operates over a temperature range of -40°F to 158°F. Durable, weatherproof construction.

Transmitter displays remote temperature

Displays remote temperature in large, easy-to-read numbers, while sending the readings to the Receiver.

Transmission Indicator

Transmission icon on display shows that radio transmission is occurring normally.

Low Battery Indicator

Indicator icon on display lets you know when batteries need to be changed.

Wait for a few minutes and check that: (i) the temperature reading is being displayed on the Receiver and the Transmitter in the right location, and (ii) that the displayed temperature changes as your fingers warm the metal probe.

7. Select location and mount Transmitter

- (i) Select the temperature location(s) that you want to monitor. Make sure that the Temperature Sensor can reach its intended location, and avoid placing the Transmitter next to metal objects that may affect transmission range (e.g. garage door, aluminum siding, etc.).
- (ii) Your Transmitter can be mounted with a wall bracket and screws (included) or by hanging the Transmitter from its integral cord loop (cord not included).

At temperatures of -10°F or below, the Transmitter's LCD display may not show the temperature but temperature measurement and transmission will continue to -40°F.

Viewing Temperature

The temperature at each remote location is displayed on the Transmitter's LCD display. This allows for convenient on-the-spot temperature reference.

Your Receiver will display temperature in the unit of measurement you select on the Receiver no matter which temperature you select on the Transmitter.

4. Adjust length of Extendible Temperature Sensor

Your Transmitter measures temperature at the metal probe end of the 30" Temperature Sensor. The Temperature Sensor can be used fully extended, partially extended or not extended at all. The length is adjusted by storing any excess wire in the Battery Compartment of the Transmitter. When not extended, the probe end conveniently snaps into the housing at the front of the Transmitter.



Snap the probe end of the Temperature Sensor in the housing at the front of the Transmitter before bundling the wire into the Battery Compartment

5. Screw close Battery Compartment

Once you have installed the batteries, selected °C/°F readings, and chosen your desired length of the Temperature Sensor wire, guide the wire through the lower slot of the Battery Compartment (beside the lower post) before closing the Battery Compartment Door and fastening the door securely by tightening the screws (with a coin or flat screwdriver).

6. Test for transmission and reception

Before installing the Transmitter in its permanent location, test that the Transmitter is communicating properly with the Receiver by firmly holding the Transmitter's metal probe with your fingers.

Fahrenheit or Celcius

At the touch of a button, you can select to display the temperature reading in Fahrenheit or Celcius.

4 Position Location Switch

Allows you to use up to 4 Transmitters with each Receiver. 2-channel selection avoids interference with other WeatherSmart™ Thermometers in your neighborhood.

Extendable Waterproof Temperature Sensor

30" Sensor can be extended from Transmitter's body to measure the temperature of swimming pools and other hard to reach places.

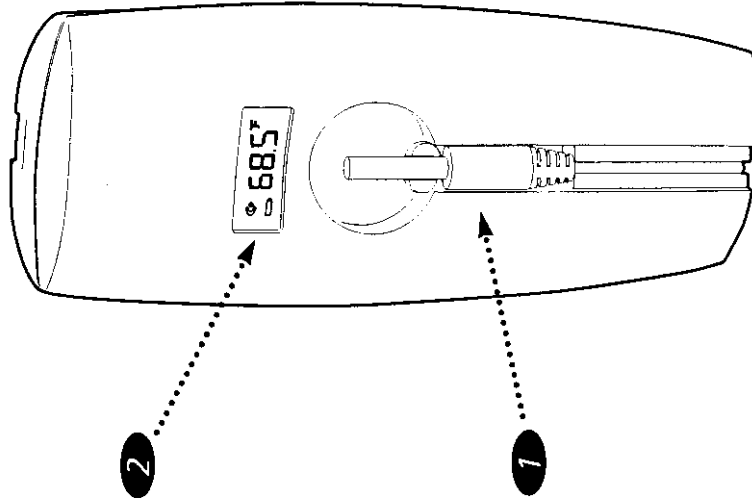
Wall mount it or hang it

Transmitter mounts on a wall or can be easily hung with a cord from the integral cord loop.

FCC approved

FCC part 15 low power device with AC/DC adapter power (included).

TRANSMITTER CONTROLS



For example: if you are using 1 Receiver and 2 Transmitters, and you have selected Channel A on your Receiver, slide the Number 1 switch on the Channel A section of the first Transmitter to the ON position to designate that Transmitter as Location 1.

To designate the second Transmitter as Location 2, slide the Number 2 switch on the Channel A section of the second Transmitter to the ON position (all other switches for both Channel A and B must be in the OFF position). If you are only using 1 Transmitter with your Receiver, it is advised to start with Channel A and Location 1 (the preset position).

2. Install batteries

Install 2 AA batteries according to the orientation shown in the *Battery Compartment*. While holding the batteries in place, turn the unit over and check that the Transmitter is displaying a temperature. You may need to wait up to a minute for it to read and display the initial temperature. If no temperature is displayed after 1 minute, see the **PROBLEM SOLVING** section of this manual.



Use AA lithium batteries for longer battery life and better performance in cold temperature conditions

3. Select Fahrenheit and Celcius

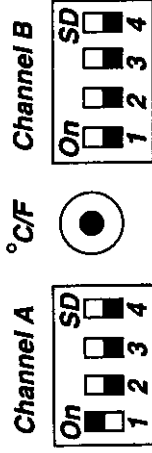
The temperature shown on the Transmitter display can be in Fahrenheit or Celcius (Fahrenheit is the factory setting). To select either unit of measurement, push the °C/°F button until your preference is shown.

GETTING STARTED WITH YOUR TRANSMITTER

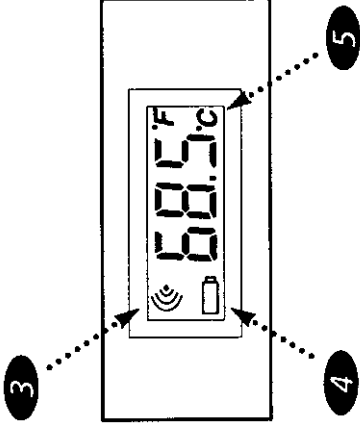
SETTING UP YOUR TRANSMITTER

1. Select Transmission Channel

The first step in setting up your Transmitter involves the selection of a transmission channel and remote location number. To work, your Receiver and all Transmitters must communicate on the same channel (Channel A or B). Each channel can monitor up to 4 separate Transmitters. To monitor more than one remote location, you must give each Transmitter its unique location number (1, 2, 3 or 4) so that the Receiver can tell them apart. Sliding switches located in the *Battery Compartment* control the transmission channels and remote location numbers for each Transmitter. One set is marked Channel A, the other Channel B. Select a channel and Transmitter location number by simply sliding one of the 4 sliding switches in the Channel A set or Channel B set to the ON position (i.e. if you have chosen Channel A as your communication channel between your Receiver and Transmitter, then use the Channel A switch panel. If you have chosen Channel B, use the Channel B switch panel).



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- 1 30" Extendable Waterproof Temperature Sensor**
Metal probe measures temperatures from -40°F to 158°F.
- 2 Remote LCD Temperature Display**
Displays remote temperature, as measured by metal probe.
- 3 Radio Transmission Indicator**
Indicates radio transmission is occurring.
- 4 Low Battery Indicator**
Indicates that batteries need to be replaced.
- 5 °C/F Indicator (Celsius/Fahrenheit)**
Temperatures may be displayed in either Celsius or Fahrenheit.

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