



## WIRELESS MULTI-ZONE DIGITAL THERMOMETER WITH INDOOR & OUTDOOR HUMIDITY MONITOR

### Model No. 91567 Instruction Manual



### FEATURES AND SPECIFICATIONS

#### BASE STATION

- Indoor / RF outdoor temperature and humidity
- Monitors temperature and humidity at up to 4 locations (additional sensors required)
- Memory function to recall Min / Max temperature and humidity readings
- Indoor / outdoor temperature displayed in °C or °F
- Indoor temperature range: 14°F to 122°F (-10°C to 50°C)
- Temperature tolerance: +/- 2°F (+/- 1.1°C)
- Auto scroll remote temperature and humidity readings
- Indoor and outdoor hygrometer monitors humidity between 20% - 90%
- Humidity tolerance +/- 5%
- Tabletop mount
- Requires (2) AAA batteries

#### REMOTE SENSOR

- 433 MHz transmission frequency
- Transmission range 80 ft. (may be shorter based on interference present)
- LCD readout showing temperature and humidity
- Temperature range: 32°F to 122°F (0°C to 50°C)

- Temperature range via probe: -4°F to 158°F (-20°C to 70°C)
- Temperature tolerance: +/- 2°F (+/- 1.1°C)
- 10 ft. detachable waterproof sensor probe for use in pools, freezers or soil
- Wall mount with separate hanging bracket
- Requires (2) AAA batteries

## **BATTERY INSTALLATION AND SETUP**

- Position the remote sensor near the base station.
- Remove the wall mounting bracket from the remote sensor.
- Open the battery compartment using a screwdriver to remove 4 screws at the bottom, back of the unit.
- The remote is preset to channel "1". If you are installing additional remotes, slide the channel selector switch to the desired channel.
- Insert (2) AAA batteries according to the polarity markings.
- Press the °C/°F button to select your desired setting.
- Slide open the battery door at the back of the base station and insert (2) AAA batteries according to the polarity markings. Slide the battery door closed.
- Press the °C/°F button on the front of the unit to select your desired setting.
- The base station will begin to look for the RF signal from the remote sensor.
- Press the CHANNEL button on the front of the base station until the number matches the channel on the remote sensor.
- When the outdoor temperature and humidity readings shown on the base station match those on the remote sensor the connection is confirmed. The connection may take several minutes.
- There may be interference present that prevents the base station from picking up the RF signal on a particular channel. If you are not getting a signal connection, slide the channel selector switch on the remote sensor to another channel and switch to the corresponding channel on the base station.
- If you have installed more than one sensor, press CHANNEL to select the remote channel you want displayed permanently on the base station. Or press CHANNEL until you observe a circular arrow on the base station LCD display. The unit will then auto-scroll through the channels.
- Use the MODE button on the back of the remote sensor to select the display mode. Upon initial setup, the remote sensor display will show the outdoor temperature. To display humidity, press the MODE button. To scroll between temperature and humidity, press MODE one more time. (The LCD will alternate between temperature and humidity every 5 seconds). Press MODE again to return to the temperature only display. Select your preferred setting.
- Replace the battery compartment cover of the remote sensor and re-install 4 screws. Do not over-tighten the screws.

### ***Notes:***

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon zinc), or rechargeable (nickel cadmium) batteries.
- For maximum performance in normal conditions we recommend using good quality alkaline batteries. When temperatures are below 32°F, alkaline batteries can lose power resulting in a loss of remote transmission. If you reside in an area that experiences frequent temperatures below freezing, we recommend using lithium batteries to minimize the loss of transmission.

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

- Choose a suitable place for the base station and remote outdoor sensor, within the transmission distance.
- Place the base unit near a window, but away from direct sunlight or sources of heat or air conditioning to ensure accurate temperature readings.
- The remote sensor is water resistant, but not waterproof. Locate the sensor in an area where it will not be exposed to rain, snow or ice which can damage the electronic circuitry.
- In areas of extreme low temperatures, re-locate the remote sensor indoors. Plug the sensor wire (included) into the remote and route the wire through a nearby window. Be sure to plug in the wire securely. Poor contact will result in a “LL” reading on the base station outdoor temperature display.
- The location you choose is critical for maximizing the transmission range. The remote sensor is designed to transmit unimpeded 80 to 100 ft. Transmitting through walls, metal doors and metal framed windows may reduce the transmission range. To optimize the transmission distance, the remote should be positioned in a location that minimizes these obstructions. Interference from other sources such as home security systems, wireless doorbells and wireless home entertainment equipment may interrupt the transmission signal temporarily.

## **OPERATING INSTRUCTIONS**

### ***°C / °F Selection***

- Press the °C / °F button on the base station to display the temperature in °Celsius or °Fahrenheit.

### ***Maximum and Minimum Temp / Humidity Memory***

- Press the MAX/MIN button once to display the highest recorded indoor and outdoor temperature and humidity readings since the last reset.
- MAX will show on the display
- Press the MAX/MIN button again to display the lowest recorded indoor and outdoor temperature readings since the last reset.
- MIN will show on the display
- Press MAX/MIN a third time to return to the normal display or wait 5-6 seconds and the display will revert automatically. The MAX or MIN icon will no longer be displayed.
- The maximum and minimum records will clear and re-set automatically every day.
- To clear the MAX record manually, start at the normal display. Press and hold the MAX/MIN button for 3-4 seconds. The MAX icon will be shown. You will hear an audible signal when you press the button and then a second signal when the records are cleared. The MAX icon will no longer be displayed.
- To clear the MIN record manually, start at the normal display. Press the MAX/MIN button once, then press again and hold for 3-4 seconds. The MIN icon will be shown. You will hear an audible signal when you press the button and then a second signal when the records are cleared. The MIN icon will no longer be displayed.

## **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, and (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 or 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.

#### LIMITED WARRANTY

Springfield warrants this product to be free from defects in workmanship or material for a period of one year from the date of purchase. **ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF FITNESS AND MERCHANTABILITY ARE HEREBY LIMITED IN DURATION TO A PERIOD ENDING ONE YEAR FROM THE DATE OF PURCHASE.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, which vary, from state to state. During the warranty period, such defects will be repaired or the defective instrument will be replaced at our option. This warranty does not cover damages through accident or misuse. **IN ADDITION, SPRINGFIELD IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCURRED AS A RESULT OF DEFECT.** Repair or replacement will be made at our option without additional charge if the instrument is returned postpaid with \$4.00 for return postage and handling to:



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