

Digital Refrigerator/Freezer Thermometer

model 00986 /00986M /00986DI



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Questions? Contact Customer Support at
www.AcuRite.com/support or email support@chaney-inst.com

SAVE THIS MANUAL FOR FUTURE REFERENCE.

ACURITE®

Congratulations on your new AcuRite product. To ensure the best possible product performance, please read this manual in its entirety and retain it for future reference.

Unpacking Instructions

Remove the protective film that is applied to the LCD screen prior to using this product. Locate the tab and peel off to remove.

Package Contents

1. Display unit
2. 2 Wireless sensors
3. Instruction manual

IMPORTANT

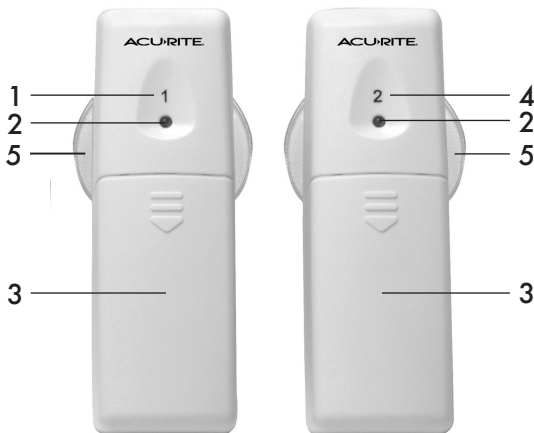
PRODUCT MUST BE REGISTERED
TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

www.AcuRite.com

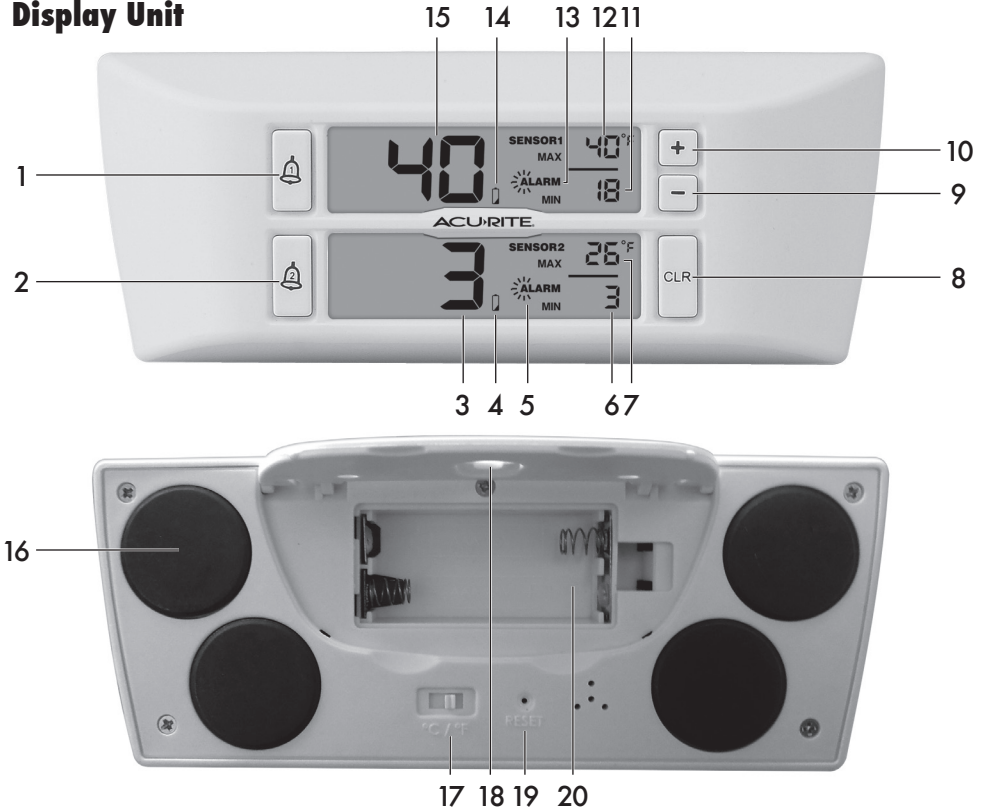
Features & Benefits: Sensors



- 1. Sensor #1**
For refrigerator (default) or freezer use.
- 2. Wireless Signal Indicator**
Flashes when data is being sent to the display unit.
- 3. Battery Compartment**
- 4. Sensor #2**
For freezer (default) or refrigerator use.
- 5. Suction Cup / Shelf Clip**
(on back)
For versatile mounting options.

Features & Benefits

Display Unit

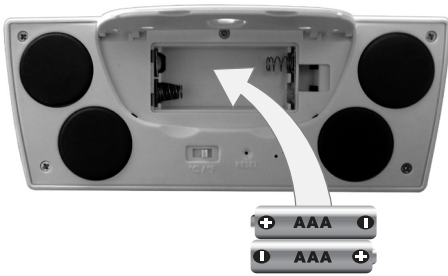


- 1. Sensor #1 ALARM ON/OFF Button**
- 2. Sensor #2 ALARM ON/OFF Button**
- 3. Sensor #2 Current Temperature**
- 4. Sensor #2 Low Battery Indicator**
- 5. Sensor #2 Alarm ON Indicator**
- 6. Sensor #2 Low Temperature**
Lowest temperature recorded.
- 7. Sensor #2 High Temperature**
Highest temperature recorded.
- 8. CLR Button**
Press to reset High/Low records.
- 9. - Button**
For alarm setup preferences.
- 10. + Button**
For alarm setup preferences.
- 11. Sensor #1 Low Temperature**
Lowest temperature recorded.
- 12. Sensor #1 High Temperature**
Highest temperature recorded.
- 13. Sensor #1 Alarm ON Indicator**
- 14. Sensor #1 Low Battery Indicator**
- 15. Sensor #1 Current Temperature**
- 16. Magnet Mount**
- 17. °C/°F Switch**
Select between degrees Celsius or Fahrenheit.
- 18. Integrated Hang Hole**
For easy wall mounting.
- 19. RESET Button**
Full reset to factory defaults.
- 20. Battery Compartment**

Install or Replace Batteries

AcuRite recommends high quality alkaline batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

The freezer sensor requires lithium batteries for low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the freezer sensor for temperatures below -4°F / -20°C .



Thermometer Display

1. Lift up the battery door and slide off the battery compartment cover.
2. Insert 2 x AAA batteries into the battery compartment. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.



Sensors

1. Slide off the battery compartment covers, located on the front of the units.
2. Insert 2 x AA batteries into the battery compartment. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.

LITHIUM BATTERIES **-40°F** (-40°C) (37°C) **100°F**

ALKALINE BATTERIES **-4°F** (-20°C) (37°C) **100°F**

Select Degrees Fahrenheit or Celsius

To select between degrees Fahrenheit ($^{\circ}\text{F}$) or Celsius ($^{\circ}\text{C}$) temperature units, slide the “ $^{\circ}\text{C}/^{\circ}\text{F}$ ” switch, located on the back of the thermometer display.



PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

Display Unit Placement

Place display unit in a dry area free of dirt and dust. Display is magnet-mountable. For wall mounting, hang using the keyhole located on the back of the unit.

Sensor Placement

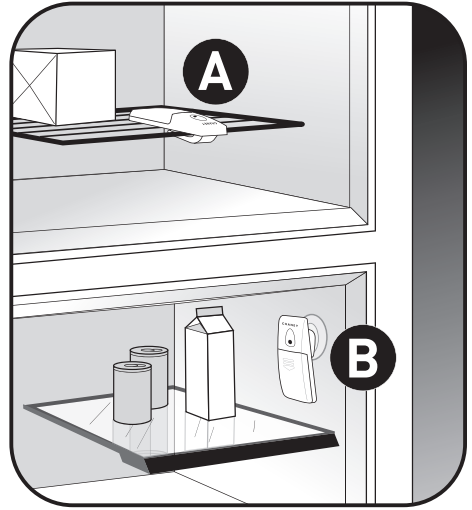
Sensor #1 should be placed in the REFRIGERATOR. Sensor #2 should be placed in the FREEZER.

Note: Both sensors will work in either location, however the default alerts are based on the placement mentioned above.

Each sensor is equipped with a spring-action clip with a rubber grip to securely attach to the edge of a glass or wire shelf (A).

Each sensor also includes a detachable suction cup that can be used to attach the sensor to the interior surface of the refrigerator (B). Please note: suction cups do not adhere well to freezing surfaces.

Display unit and sensors must be located within 75 ft (23 m) of each other.



Using the Thermometer

High & Low Records

The thermometer records high and low temperature records for each sensor. These readings reflect the highest and lowest temperatures recorded since the batteries were inserted or since the CLR button was last pressed.






To reset the High/Low records, press and release the "CLR" button once. This clears the records from both sensors.


Programmable Alarms

Programmable alarms notify you audibly and visually when temperatures exceed your preset minimum / maximum temperature range. An alert is triggered when a temperature is out of range for longer than 15 minutes. This prevents false alarms due to the fridge/freezer door being held open while new items are being loaded/unloaded.

The default temperature alarm settings for Sensor #1 (refrigerator thermometer) are minimum 33°F / maximum 40°F. The default temperature alarm settings for Sensor #2 (freezer thermometer) are minimum -22°F / maximum 0°F.

To customize temperature alarms:

1. Press and HOLD the "" button until the current temperature disappears and the maximum temperature alarm setting is shown in its place.
2. Press the "+" or "-" buttons to increase or decrease the maximum temperature alarm setting.
3. Press the "" button to confirm the maximum temperature alarm setting. The unit will beep and the minimum temperature alarm setting will be shown.
4. Press the "+" or "-" buttons to increase or decrease the minimum temperature alarm setting.
5. Press the "" button to confirm the minimum temperature alarm setting.
6. Press the "" button to turn ON/OFF the alarm. The "ALARM" icon on the display indicates that the alarm is ON.

For Alarm #2, repeat steps 1 through 5 using the "" button.

NOTE: When thermometer is in normal operating mode (not in alarm setup mode), the High/Low readings display the highest/lowest temperature recordings.

Troubleshooting

Temperature is showing "E" or dashes	<ul style="list-style-type: none">• Relocate the display and/or the sensors.• The units must be within 75 ft (23 m) of each other.• Flashing of the temperature is generally an indication of wireless interference. Perform a hard reset to gain a strong connection between the units:<ol style="list-style-type: none">1. Bring all 3 units together, side-by-side.2. Remove all batteries from all 3 units.3. Reinstall batteries in thermometer display unit first.4. Reinstall batteries into sensor #1.5. Reinstall batteries into sensor #2.6. The display unit should read temperatures from both sensors almost instantly.
Inaccurate temperature	<ul style="list-style-type: none">• Use standard alkaline batteries (or lithium batteries in sensor when temperature is below -4°F/-20°C). Do not use heavy duty or rechargeable batteries.
Display screen not working	<ul style="list-style-type: none">• Check that the batteries are installed correctly. Batteries may need to be replaced.• Reset display by pressing the RESET button, located on the back of the display unit.
Current Temperature reads "-H-" or "-L-"	<ul style="list-style-type: none">• Verify you're within the measurable temperature range (-40°F to 100°F; -40°C to 37°C).

If your AcuRite product does not operate properly after trying the troubleshooting steps, visit www.AcuRite.com or email support@chaney-inst.com for assistance.

Care & Maintenance

Clean with a soft damp cloth. Do not use caustic cleaners or abrasives.

Specifications

TEMPERATURE RANGE	-40°F to 100 °F; -40 °C to 37 °C
WIRELESS RANGE	75 ft / 23 m (signal range is impacted by sensor location and may vary)
WIRELESS FREQUENCY	433 MHz
POWER	Display Unit: 2 x AAA alkaline batteries Sensor #1: 2 x AA alkaline or lithium batteries Sensor #2: 2 x AA alkaline or lithium batteries
DATA REPORTING	120 second updates

FCC Information

FCC Statement

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 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.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

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.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:



support@chaney-inst.com

Visit us at www.AcuRite.com

- ▶ Installation Videos
- ▶ Register your Product
- ▶ Instruction Manuals
- ▶ Support User Forum
- ▶ Replacement Parts
- ▶ Submit Feedback & Ideas

IMPORTANT

PRODUCT MUST BE REGISTERED
TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

www.AcuRite.com

Limited 1 Year Warranty

AcuRite is a wholly owned subsidiary of Chaney Instrument Company. For purchases of AcuRite products, AcuRite provides the benefits and services set forth herein. For purchases of Chaney products, Chaney provides the benefits and services set forth herein.

We warrant that all products we manufacture under this warranty are of good material and workmanship and, when properly installed and operated, will be free of defects for a period of one year from the date of purchase.

Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by us, and at our sole option, be repaired or replaced by us. Transportation costs and charges for returned goods shall be paid for by the purchaser. We hereby disclaim all responsibility for such transportation costs and charges. This warranty will not be breached, and we will give no credit for products which have received normal wear and tear not affecting the functionality of the product, been damaged (including by acts of nature), tampered, abused, improperly installed, or repaired or altered by others than our authorized representatives.

Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). If we determine that repair or replacement is not feasible, we may, at our option, refund the amount of the original purchase price

THE ABOVE-DESCRIBED WARRANTY IS THE SOLE WARRANTY FOR THE PRODUCTS AND IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. ALL OTHER WARRANTIES OTHER THAN THE EXPRESS WARRANTY SET FORTH HEREIN ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

We expressly disclaim all liability for special, consequential, or incidental damages, whether arising in tort or by contract from any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

We further disclaim liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of our products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to bind us to any other obligation or liability in connection with the sale of our products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this warranty unless done in writing and signed by a duly authorized agent of ours.

In no case shall our liability for any claim relating to our products, your purchase or your use thereof, exceed the original purchase price paid for the product.

Applicability of Policy

This Return, Refund, and Warranty Policy applies only to purchases made in the United States and Canada. For purchases made in a country other than the United States or Canada, please consult the policies applicable to the country in which you made your purchase.

Additionally, this Policy applies only to the original purchaser of our products. We do not and do not offer any return, refund, or warranty services if you buy products used or from resale sites such as eBay or Craigslist.

Governing Law

This Return, Refund, and Warranty Policy is governed by the laws of the United States and the State of Wisconsin. Any dispute relating to this Policy shall be brought exclusively in the federal or State courts having jurisdiction in Walworth County, Wisconsin; and purchaser consents to jurisdiction within the State of Wisconsin.

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