



## Specifications

- ✓ Large LCD that simultaneously displays minimum, maximum, and current temperatures
- ✓ User defined high and low temperature limits
- ✓ Visual and audible indicators for temperatures outside the set range
- ✓ A min/max feature to monitor and store the highest and lowest temperature readings (until the memory is cleared)
- ✓ A temperature sensor enclosed in a glycol-filled bottle, protecting it from rapid temperature changes when the refrigerator/freezer door is opened
- ✓ A low battery alert function (battery symbol flashes)
- ✓ Alarm notification for probe malfunction or disconnection
- ✓ Measuring temperature range: Probe 1(default) -30 ~ 70 °C (or -22 ~ 158 °F)
- ✓ Measuring temperature range: Probe 2 (optional) -50 ~ 45 °C (or -58 ~ 113 °F)
- ✓ Accuracy (probes 1 & 2):  $\pm 0.3$  °C (-10 ~ 10 °C or 14 ~ 50 °F), in other ranges  $\pm 0.5$  °C
- ✓ Sampling rate of 20 seconds
- ✓ Powered by two durable 1.5V AAA lithium batteries
- ✓ Selectable temperature scale (°C/°F)
- ✓ Large display with illumination

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**SAVE THIS MANUAL FOR FUTURE REFERENCE**

## Package Contents

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- TMD-01 Thermometer/Alarm
- Temperature sensor (NTC) in glycol-filled bottle
- Two AAA Lithium batteries (1.5V)
- Instructions manual
- ISO/IEC 17025:2017 NIST certificate (calibrated units only)

## Set Up






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**NOTE:** Before use, remove and discard the clear plastic protective sheet from the LCD Display.

- **Battery Installation:** Remove battery compartment cover located on the rear of the unit, and remove the insulation strip from the battery compartment. The unit will beep and all segments of the LCD screen will be activated.



## Functions/Controls

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	<p>Press <i>once</i> to illuminate the LCD screen.          Press <i>again</i> to turn off the backlight. Otherwise, the backlight will turn off automatically after 15 seconds.</p>
	<p><u>Normal mode:</u> Press once to switch temperature display scale between <b>Celsius</b> (°C) &amp; <b>Fahrenheit</b> (°F).   <u>Setting mode:</u>          Press to increase value.          Long press to rapid decrease.</p>
	<p><u>Normal mode:</u> Long-press to <b>clear</b> the <i>MIN/MAX</i> memory.   <u>Setting mode:</u>          Press to decrease value          Long press to rapid decrease.</p>
<p><b>ON/OFF</b></p> 	<p>Button located on the rear of the unit.          Press to turn the unit <i>ON/OFF</i>.</p>
<p><b>VOL</b></p> 	<p>Button located on the rear of the unit.          Press once to switch between high and low sound level.</p>

## Programming the Alarm



By default, the high and low alarm settings are 8 °C and 2 °C respectively. To reset high alarm and low alarm temperature settings, follow instructions below.

	<p>This is the high temperature limit. The current temperature is considered out-of-range if the probe reads a temperature equal to or above the high temperature limit.</p> <p>Press once to enter the high temperature alarm setting mode. HI-SET will display on the LCD screen. Press ▲ or ▼ to increase or decrease the value. Then, press the <b>HIGH ALARM</b> button to confirm. The LCD screen will return to the current temperature.</p>
	<p>This is the low temperature limit. The current temperature is considered out-of-range if the probe reads a temperature equal to or below the low temperature limit.</p> <p>Press once to enter the low temperature alarm setting mode. LO-SET will display on the LCD screen. Press ▲ or ▼ to increase or decrease the value. Then press the <b>LOW ALARM</b> button to confirm. The LCD screen will return to the current temperature.</p>



Set the high and low alarm temperature limits above and below the refrigerator/freezer operating temperature to prevent false alarms. Refrigerators are designed to run between 2-8 °C (36-46 °F) while freezers run below -15 °C (5 °F).

## Eliminating the Alarm Indicators

When an alarm condition occurs LO-ALARM/HI-ALARM icons will appear on the display along with a beeping sound to alert user. Press any key ONCE to stop the beeping sound. The beeping sound lasts for 60 seconds, but the high and low indicators will remain on display even when the unit gets back in range. Pressing any key will silence the beeping sound, but it will be reactivated every 30 minutes if the alarm event still exists.

Press the  and  keys simultaneously to clear the LO-ALARM/HI-ALARM indicators. The alarm will not clear if the alarm event still exists.

By default, ALARM feature is activated. To turn it OFF follow the instructions below:

	<p>Long press for <i>2 seconds</i> to turn the alarm feature <i>ON/OFF</i>.</p> <p><b>PLEASE NOTE!</b> When the alarm feature is turned OFF, both the visual and audible alarms are turned <b>OFF</b> and the user will <b>NOT</b> be notified of any high or low alarm violations.</p> <p>When alarm is <b>ON</b>, the alarm icon  will be displayed and the user can receive visual and audible alarm notifications.</p>
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## Using the Alarm

- **Placement:** Once the thermometer has been programmed, place the temperature sensor (in glycol bottle) in the location to be monitored, such as inside the refrigerator or freezer. Attach the thermometer to the door of the unit using its magnet.
- If the temperature measurement rises above or falls below the set temperature range, the alarm will sound. To silence the alarm, press any key ONCE.
- The alarm/thermometer's maximum and minimum readings reflect the highest and lowest temperatures since the battery was inserted or since the RESET button was last pressed.

## Troubleshooting

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<i>Issue</i>	<i>Possible Solution</i>
<i>The display shows NP.</i>	<i>The temperature sensor is not installed correctly</i>
<i>The display screen is not working.</i>	<i>Make sure the batteries are installed correctly. The batteries may need to be replaced.</i>
<i>The “Low Battery” indicator is flashing.</i>	<i>The batteries may need to be replaced.</i>

## Care & Maintenance

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- Do not disassemble the product, as product damage may result.
- Store the product where it will not be exposed to direct sunlight, dust or high humidity.
- Do not wash or expose the product to water or other liquids.
- Clean the product by wiping with a soft, dry cloth.
- Never use volatile or abrasive liquids or cleaners to clean the product.
- Do not drop the product or subject it to sudden shock or impact.

## Customer Support

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- For technical support, please call 800-932-4267 (U.S. and Canada) or email [info@summitappliance.com](mailto:info@summitappliance.com)
- For more information, please call ACCUCOLD at 718-893-3900 (U.S. and Canada). See us on the web at [www.accucold.com](http://www.accucold.com)
- For re-calibration and certification questions, please email us at [calibration@summitappliance.com](mailto:calibration@summitappliance.com)

## Limited Warranty

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SUMMIT products have a limited warranty period of 1 year against defects in materials and workmanship from the date of purchase. Accessory items and sensors have a limited warranty of 3 months. Repair services have a limited warranty period of 3 months against defects in materials and workmanship. SUMMIT shall, at its option either repair or replace hardware products that prove to be defective, if a notice to that effect is received within the warranty period. SUMMIT makes no other warranties or representations of any kind whatsoever, expressed or implied, except that of title, and all implied warranties including any warranty of merchantability and fitness for a particular purpose are hereby disclaimed.



**WARNING:** This product can expose you to chemicals including Nickel (Metallic) which is known to the State of California to cause cancer.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Note: Nickel is a component in all stainless steel and some other metallic compositions.

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