

Clima-Tech Case

The first "portable climate controlled" case specifically designed for EMS.
OWNERS MANUAL & WARRANTY INFORMATION



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Clima-Tech Case

Presentation Overview

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- IMPORTANT Safety Information
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- Thomas EMS Company Information



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GETTING STARTED

Plugging it in.

Plug the unit in using either 110 or 12V power.



Power Plug In

Turn on the case and allow the battery to charge for **8 to 10 hours** prior to initial use.



On/Off Switch



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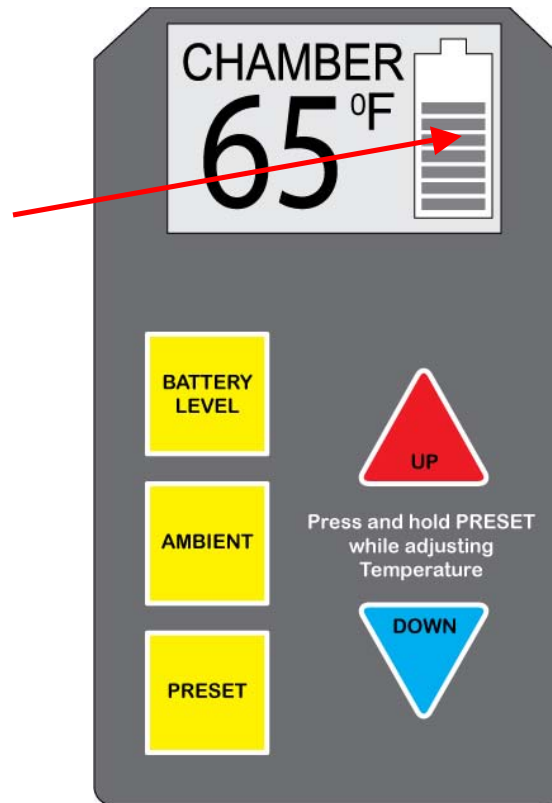
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GETTING STARTED

Initial Charging - 8 to 10 Hours

During the initial charging, check to make sure that the LCD Battery symbol is flashing in right side of control panel display.

Close the lid and allow approximately 30 minutes for the case to reach the default temperature of 65 degrees.



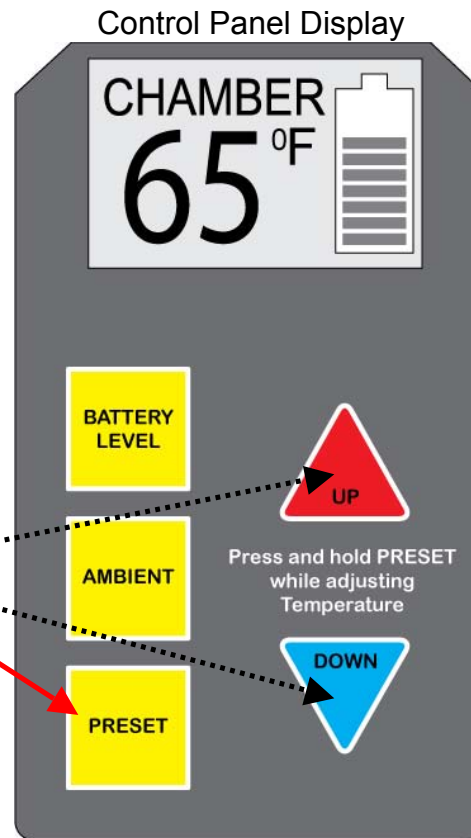
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ADJUSTING TEMPERATURE

NOTE: When the Clima-Tech Case is turned on, it will begin cooling (or warming) to the factory set default temperature of 65 degrees F. The default temperature can be adjusted by the end user.

To adjust temperature, simultaneously hold down the pre-set button and push desired temperature button either higher or lower.



NOTE: Your Clima-Tech Case will maintain your desired temperature +/- 1.5 degrees to approximately 30 degrees off surrounding temperature.



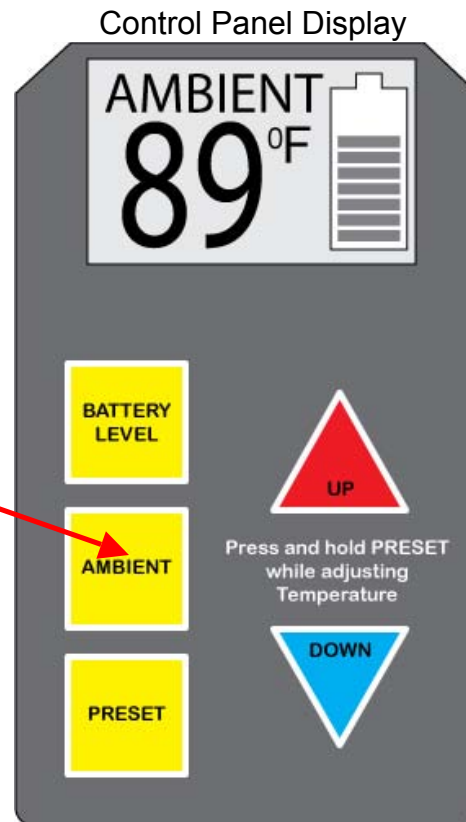
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AMBIENT AIR READING

The Clima-Tech Case will take a continuous reading of the surrounding air temperatures.

Pressing the AMBIENT button on the control panel will display the ambient air temperature.



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SMART SENSOR

Your Clima-Tech Case is equipped with a smart sensor that will determine the difference between the interior and exterior air temperatures and adjust the internal temperature accordingly.

If the case is taken into a warmer or colder environment, the smart sensor will automatically sense the change in the exterior air temperature and turn on at 25% power to compensate for the exterior air temperature change.



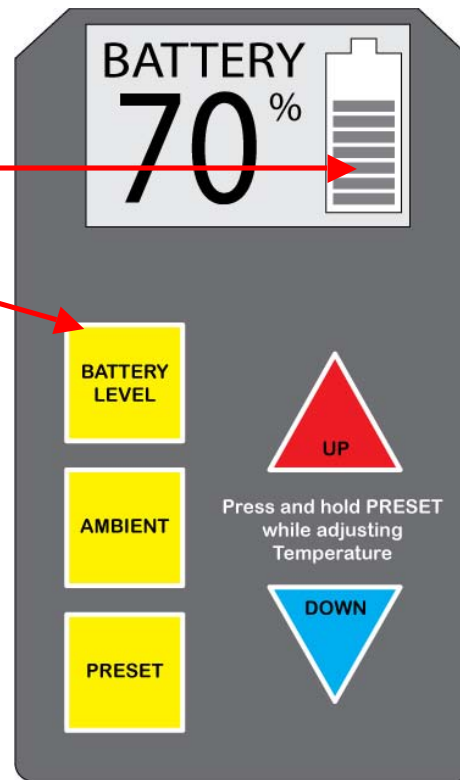
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BATTERY LEVEL & MAINTENANCE

The Clima-Tech Case provides the percent of battery level remaining either by looking at the LCD display or by simply pressing on the “Battery” Button on the control panel display. When the case is charging, and below a full charge, the battery symbol will flash.

If battery display bars are not present, this is due to the battery falling below 9.4 Volts. Leave the case plugged into the power and you should start to see bars on the display within approximately 30 minutes.



Prior to initial use, run the case and charge the batteries for a minimum of 8-10 hours before placing in service.

If storing the Clima-Tech Case for an extended period, you must plug in and run for 24 hours at least once per month.

The Clima-Tech Case contains Lithium Polymer batteries.



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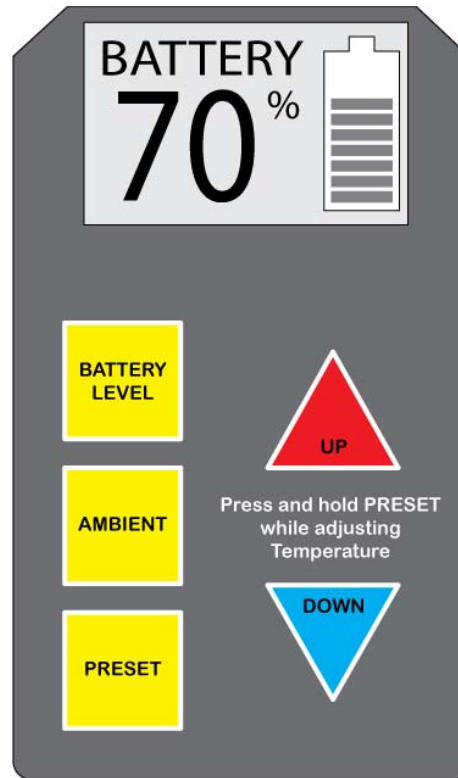
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BATTERY LEVEL & MAINTENANCE

If the battery display bars are present but not flashing this would indicate that the batteries are not charging in this mode. This can be caused by the following:

1 - AC/DC Power is not reaching the case

2 - Battery is already above 11.7 Volts and will not initiate a charge cycle until it goes below this number.



To Remedy:

Unplug the case, wait several minutes and plug the case back in.

At this point you should start to see the battery indicators start to flash.



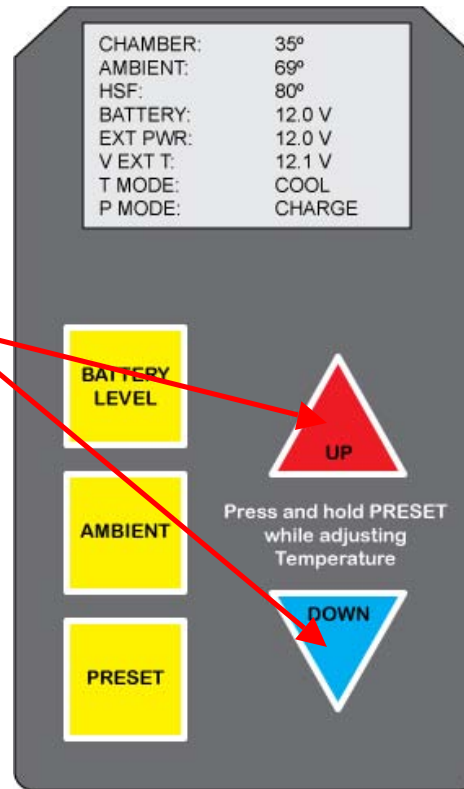
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POWER & PERFORMANCE ANALYSIS

The Clima-Tech Case is equipped with a diagnostic screen that will allow you to see actual battery voltage as well as incoming voltage.

To access this screen, push the “UP” and “DOWN” arrows simultaneously and the display will switch to diagnostic mode.



This screen displays important data such as the unloaded and loaded power currently being delivered to the case, actual battery voltage, heat sink temperature as well as current case activity mode (cooling, heating or idol).



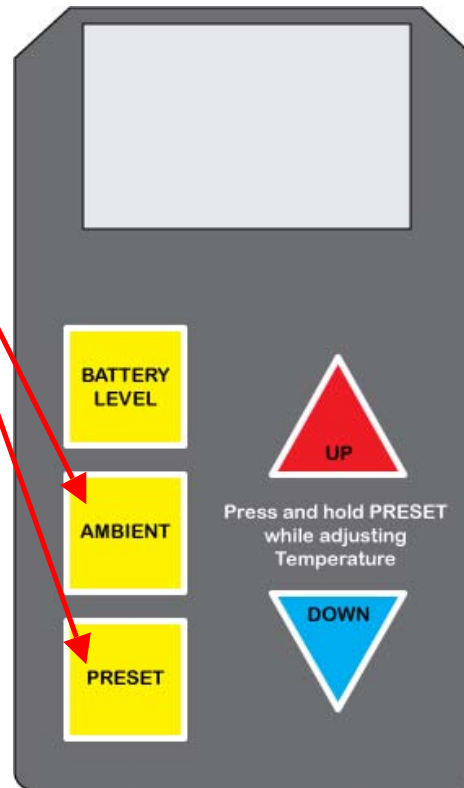
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DIAGNOSTIC / SETTINGS SCREEN

To access the diagnostic screen, press both the AMBIENT and PRESET buttons simultaneously for 3 seconds. The screen allows the end user to toggle the case between Celsius and Fahrenheit and to adjust the factory pre-set temperature.

It also allows the end user to set a minimum power threshold limit, whereby the case will turn itself off if the vehicle's battery drops below the set level.



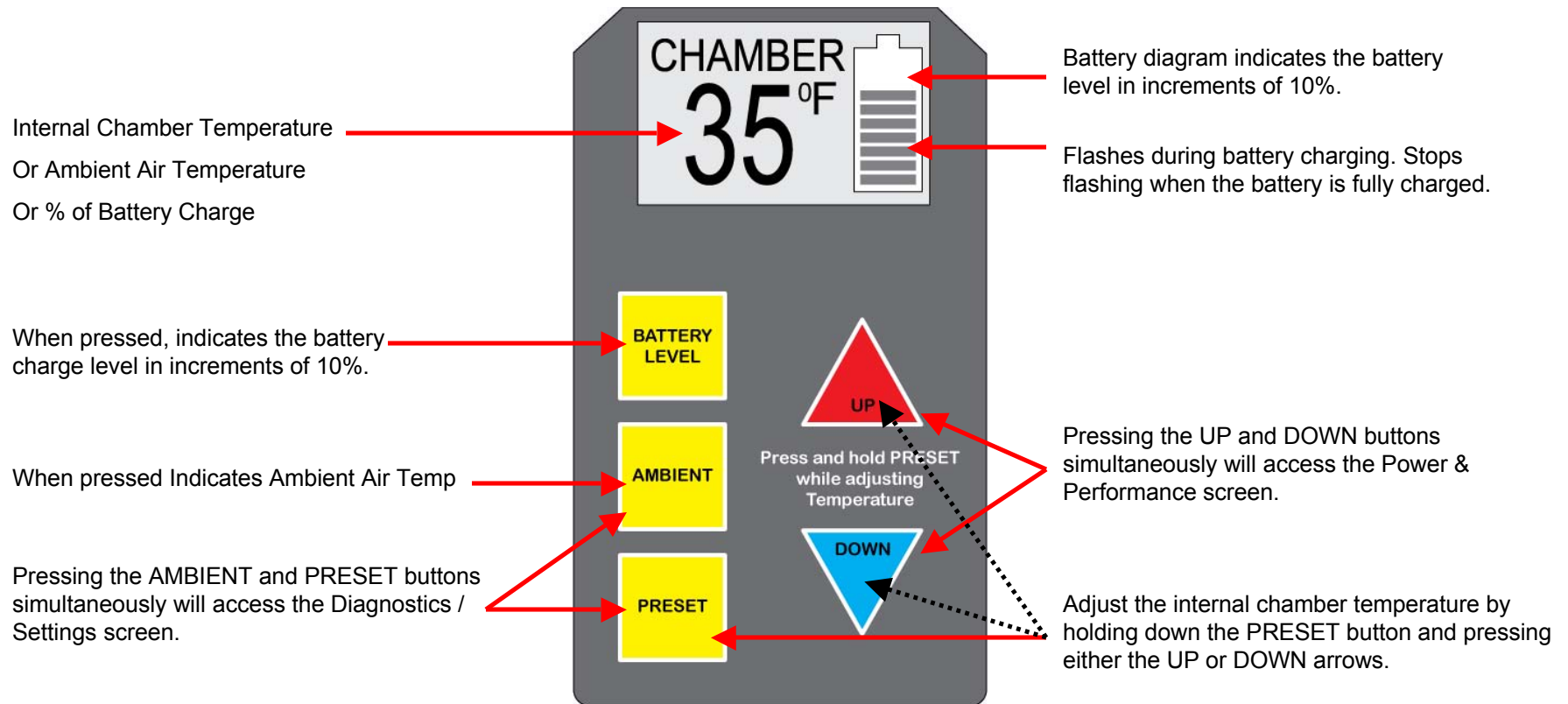
The minimum power threshold limit prevents the vehicle's battery from being drained too low, thereby ensuring that there is always enough battery power to start the vehicle.

To change any of these settings in the diagnostic screen, press the AMBIENT or PRESET button to toggle between lines. Press the UP or Down arrows to adjust these settings to desired preferences.



CONTROL PANEL REVIEW

Main Panel



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BATTERY INFORMATION



Important Battery Information

(Before ordering please read the following completely.)
Lithium Polymer Charging, Handling, Safety Information

Automatically shut the case down if voltage drops below 9.5V.
Will stop charging at approximately 90% capacity.
Will charge at a current less than 1C.





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SAFETY INFORMATION




 Allow airflow around exterior fan area - blocking airflow will slow cooling or heating.


 When operating from a vehicle battery, make sure you start your engine after 3 to 4 hours of operation to recharge the vehicle battery.


 Do not allow moisture to enter exterior fan ports.


 Never allow the Clima-Tech Case to be immersed in water or other liquid. This will void the warranty.

 To reduce the risk of damage to the DC plug and cord, pull by DC plug rather than cord when disconnecting.



 The Clima-Tech Case is intended for use with a 110 volt or 12 volt DC power source that can provide at least 10 amperes of current. Do not attempt to use with any other power source.

 DO NOT operate your Clima-Tech Case in an enclosed space. ALWAYS ensure that there is adequate ventilation and free flow of air around the unit, so that air expelled by the fan is effectively dissipated.

 When operating your Clima-Tech Case in cab of vehicle, adequate ventilation must be provided by an air conditioning system or window.



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Clima-Tech Case Warranty

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Thomas EMS, LLC warrants that for a period of 1 (one) year from the date of purchase, this product will be free from defects in material and workmanship. 1 Year warranty on the batteries. Thomas EMS, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, disassembly, repair or alteration by anyone other than Thomas EMS. Further, the warranty does not cover: Acts of God, such as fire, flood, hurricanes and tornadoes.

Thomas EMS shall not be liable for any damages of any kind resulting from the purchase, use or misuse of, or inability to use the product including incidental, special, consequential or similar damages or loss of profits, or for any breach of contract, fundamental or otherwise, or for any claim brought against purchaser by any other party regardless of their kind and nature.

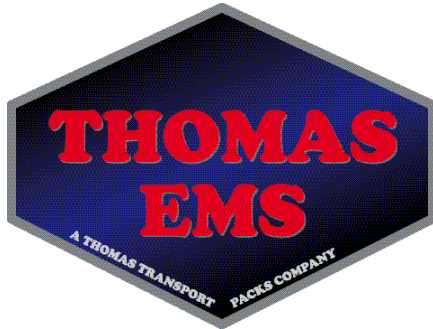
NON-TRANSFERABLE



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COMPANY INFORMATION



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