



Heat Demon Heated Vest, Battery Pack and Controller Instructions



The heaters in this vest have a low power consumption (less than 3.5amps) coupled with high heating efficiency. The efficient heating is the result of high technology designed heaters that provide conductive and infrared energy to optimally heat the body on cold days.

The heaters are strategically located on both sides of the chest area and in the back to maximize the heating effect. By confining the heating to these areas it increases the body core temperature and makes the complete body feel warm. This provides more efficient heating than spreading the energy over a large area.

The vest heaters provide very rapid heat up so one can feel the temperature increase as soon as the power is applied. Wear the vest as your second layer of clothing **over** a shirt and **under** sweatshirts, jackets, etc.

*****A snug fit promotes better heat transfer to your body*****

Operation and Precautions:

Warning: The Heated Vest is designed to be used with some type of temperature control. If the full voltage is applied to the vest from a vehicle it can over heat and cause burns to the skin! **Before each use of the vest make sure that the heaters lie flat in the pockets without folds and creases.

The Heated Vest comes with a retractable cable located in the left inside pocket. The Heated Vest should be plugged into a Symtec 4 Zone Controller, Power Demon, Single Zone Heat Controller or used with an on/off switch so the temperature of the heaters is controlled. Care should be taken to lower the temperature of the heaters before they get warm enough to cause a skin burn.

Do not pull directly on the cord when disconnecting the plugs. Hold the housing of the connector when connecting or disconnecting the cords to avoid breaking the wires or damaging the plug.

Remove the heaters before washing the vest. After washing re-insert the heater carefully into the pockets. The heater must lie flat without folds and creases. Folds and creases feel uncomfortable and cause hot spots.

The vest has two zippers on each side so they can be opened or closed to provide a comfortable fit plus an elastic panel in the back to pull the heater against your back.

Fig. 1: Outside zippers zipped together achieves the smallest size.

Fig. 2: Both zippers sipped independently to achieve the next larger small size.

Fig. 3: One of the zippers partially unzipped to achieve a looser fit at the top (t also works from the bottom).

Fig. 4: Both zippers opened at the top and closed at the bottom to achieve a looser fit at the top which can also be done from the bottom. When both zippers are completely open, maximum size is achieved

Cleaning instructions:

1. Remove the heaters from the vest before washing. The washing operation may damage the heaters.
2. Hand wash vest only in cold or warm water.
3. Do not iron.
4. After washing reinsert the heaters carefully into the pockets. The heater must lie flat without folds and creases. Folds and creases feel uncomfortable and cause hot spots.



Heat Demon Single Zone Heat Controller

Instructions:

The Single Zone Heat Controller can be used to adjust the temperature of various items such as the Heat Demon Heated Vest, Heat Demon Foot Warmers and other heated accessories.

The temperature control function is achieved by first connecting the cable with the DC Plug of the Heat Controller to a 12V DC power with the battery cable assembly included or by the optional Heat Demon Battery Pack kit (Part #210149). The controlled output provides power to handle up to 70 watts for heated clothing, heated grips, or other heated products. Various temperature levels can be selected by pressing the button which is located under the round circle of the Overlay. Each time the button is pressed LED lights will indicate which of the 5 heat levels is selected. The 6th time it is pressed will turn off the power and the selection can start again. The button can also be held down for 3 seconds and the LED's will dim for night operation. Hold it down again for 3 seconds will return it to Daylight operation. The Heat Controller has a convenient clip to attach it to a belt, pocket, or straps.

Battery Pack Specifications and Instructions

The Heat Demon Battery Pack is designed to fit into the inside pockets of the vest. The left side pocket has a pass thru for cables to run from the battery to the outside of the vest.

Nominal Voltage: 11.1V
Rated Capacity: 4400mAh
Charging Voltage: 12.6V
Max Charging Current: 2.5A
Max Discharging Current: 3.5A
Cut Off Voltage: 6.9V

Cautions:

* To maximize battery life, fully charge prior to

initial use.

- * Battery must be charged with appropriate Heat Demon charger only. #300031
- * Do not leave battery in charger over 24 hours.
- * Do not surpass the charging current: 2.5A
- * Do not surpass the charging voltage: 12.6V
- * Do not surpass the discharging current: 3.5A

Handling:

- * Do not expose battery pack to heat or dispose of in fire.
- * Do not put the battery in a charger or equipment with wrong terminals connected.
- * Avoid shorting the battery.
- * Avoid excessive physical shock or vibration.
- * Do not disassemble or deform the battery.
- * Do not immerse in water.
- * Do not use the battery mixed with other batteries with different type, or model
- * Keep out of the reach of children.
- * Dispose of in accordance with local regulations.

Storage:

- * Store the battery in a cool, dry and well-ventilated area.
- * Do not leave an over-discharged battery for a long time. Make sure the battery will have some charge when in storage. It is better to charge and discharge the battery for a cycle when you store the battery for longer than 3 months.

Charging:

1. Insert 2.5mm DC plug end of charger into battery pack
2. Plug AC power cord into a properly rated AC outlet (110v)
3. LED on charger will be GREEN when battery is charged
4. LED on charger will be RED if battery needs charging
5. Depending on battery level, time is 4-6 hours to fully charge

Thank you for purchasing your new Heat Demon Product!

**For technical information regarding this product,
please call 763-571-9193 or Toll Free 1-888-571-9193.**