

For Use with All Heated Apparel

Mounted Heat-troller

Features:

- Electronic, solid state design coupled with analog control for a full range of heat, with minimum power loss
- LED provides visual feedback for On, Off, Power Level & Polarity
- Sealed Switch with tactile On/Off with 300° rotation, providing heat from 3% to full on!
- The Red LED indicates that unit is connected to power correctly and the Yellow LED indicates the polarity is reversed
- Heat-troller is waterproof and can be left on the bike in the rain
- Permanently mounted Heat-trollers feature switch and LED on a circuit board with 5ft cable
- Solid State, High Tech, Safe & Reliable Electronics designed by us
- Mounts cleanly to the Bike or Scooter or Small Airplane or just about anywhere!
- Battery harness made of automotive grade wire that is resistant to oil, acid, water and grime with automotive style fuse
- Plug compatible with most DC heated products
- Handles 15 amps at 13 volts with internal reset for overloads & shorts & works from 7 volt to 24 volt
- Recommended for All Heated Clothing

To see more technical information as well as use and mounting ideas, visit our website www.warmnsafe.com

Installing Your Mounted Heat-troller

Read through all these instructions BEFORE starting

- 1. Determine where the switch and LED should be mounted on your vehicle. The LED should be placed in your line of sight.
- 2. Template for mounting holes at bottom left. Drill a hole through the mounting surface for the switch using a 1/4 inch drill bit. We recommend a Unibit #1 drill bit.
- 3. If the mounting surface is too thick for the threads of the switch, an adapter piece (included) may be needed. The collar of this nut fits into a 3/8-inch hole through the fairing and will screw to the shaft of the switch, holding it in place. Do not use the other nut or washer.
- 4. Drill a hole for the LED using a 1/8-inch drill bit. Use hot glue or waterproof caulking to hold the LED in place.
- 5. Read the warnings and follow instructions for connecting the battery harness. The Battery Harness for the mounted unit is wired directly to the Heat-troller.
- 6. Turn Off the Vehicle, Generator or Any Charging source for the Battery.
 - a. First Disconnect the Ground (-) Cable from the Battery
 - b. Then Disconnect the Plus (+) Cable from the Battery
- 7. Attach the positive ring terminal from the battery harness to the positive terminal on the battery. The positive ring terminal can be distinguished from the negative by the fact that it has a fuse attached to the Wire. Reattach the bolt to the battery and tighten.
- 8. Attach the negative ring terminal from the battery harness to the negative terminal on the battery. The negative ring terminal can be distinguished from the positive by the fact that it does NOT have a fuse attached to the wire. Reattach the bolt to the battery and tighten.
- 9. Be certain the wire harness and all cords are not pinched. The connecting plug should be easily accessible and clear of all moving parts.
- 10. Test the Connection! Plug the Heat-troller to the Battery Harness, the LED should turn on and be Red. If the Polarity is Reversed, the LED will be Yellow. On a Dual Heat-troller the Red Bicolor LED will turn Yellow & the single Yellow LED will not turn on at all.

Using Your Mounted Heat-troller

- 1. Connect the plug marked "power out" directly to the garment. Turn the knob on, and the LED should begin to blink. When the light stays on without blinking, it is on full power.
- 2. Remember the plug marked marked "power out" always goes to the garment. If the Heat-troller is not plugged in correctly, it will not work correctly.
- 3. With the Heat-troller turned OFF, the LED should be OFF. When you turn the Heat-troller ON the LED will start to flash, increasing in rate as you turn the Heat-troller knob to full. When on full the LED will stop blinking & will stay lite.
- 4. If you have a Dual Heat-troller then you notice that there is one red and one yellow dot on the knobs. The Red LED is your primary control & goes to the Grey or Grey/Red cable connector. the Yellow controls the Black or Black/Yellow cable connector. Remember, on a Dual Heat-troller, if you have the power in polarity reversed then the Red LED will be Yellow and the Yellow LED will not turn on.

Troubleshooting Information

- 1. If your Heat-troller does not operate, check all connections for tightness & the wires for proper connection.
- 2. Make sure the battery harness is plugged directly to the battery and not to a fuse block & Polarity is correct.
- 3. If the Knob is too hard or too easy to turn, loosen the screw on the knob & adjust the knob & O-ring against the Nut of the Switch then retighten the knob set screw.
- 4. If your unit stops working, Contact Us to help diagnose the problem.



MOUNTING HOLE TEMPLATE

Guidelines for Using Your Heat-troller

To reduce the risk of burns or electric shock, the Heat-troller must be used in accordance with the instructions: • Use the Heat-troller only on DC power with properly rated power source, this includes a rechargable battery or a AC to DC power adapter. Contact Warm & Safe Heated Gear, LLC for powering clothing off AC/DC power supply or battery pack.

• The output cord (marked power out) of the Heat-troller is intended for use only with approved heated items. Other devices such as battery tenders should not be connected directly to the Heat-troller. Do not use a Battery Tender power harness. It is not designed for the greater draw of heated clothing.

• For safety reasons, the Heat-troller should not be put in the pocket of heated apparel while the Heat-troller is being used.

• Read through the installation instructions and warranty information in this booklet before installing the Heat-troller.

• Broken wires or shorts in your heated clothing can damage your Heat-troller, even though the clothing may appear to function normally. If your Heat-troller fails to function correctly, we suggest you immediately check your clothing for shorts. You can find simple instructions for testing on our website.

• If the Heat-troller fails due to a short, after checking and fixing it short, you can turn the switch off and then on. This will reset the Heat-troller

IMPORTANT!

This Heat-troller has been equipped with a resettable cut-off for your protection, which will cause the unit to stop working if there is a short in the clothing or wires. Just turn off the Heat-troller, repair the problem, and then turn the Heat-troller back on.

CAUTION!

It is possible to overload your vehicle's charging system by adding too many electrical accessories. If your combined accessories use more electrical current than your vehicle's charging system can produce, the consumption can discharge the battery leading to electric system damage. Ask your dealer for advice about the amount of current consumed by additional electrical accessories.

Warranty for Your Heat-troller

If this unit fails due to faulty parts or manufacturing within 3 YEARS of your purchase we WILL replace it. The cables, connectors and knobs are wear items and not covered, nor are units damaged by abuse or neglect.

The Heat-troller should be installed in accordance with the enclosed instructions.

We are not responsible for units damaged by incorrect installation, improper use or shorts in the clothing made by others.

All warranties will be voided IF the following guidelines are not followed:

-Do not cut any of the wires, plugs, connectors or ring connectors!

-Only use the battery harness, cigarette plug adapter, or BMW® power port adapter provided to power your Heat-troller! Attempting to use a home-made BMW® or cigarette plug adapter will void the warranty. -The Heat-troller should be installed in accordance with the enclosed instructions. We are not responsible for units damaged by incorrect installation, improper use or shorts in the clothing made by others.

Contact Information

For all warranty issues, contact us directly by sending an e-mail to exchange.refunds@warmnsafe.com or via our website www.warmnsafe.com. If e-mail is not available, call 1-702-357-8664.

Designed & Manufactured By Warm & Safe Heated Gear, LLC



it is not about where you are but about where you are going!

