

# Performance Controller Panel Mount Installation

## PHG-301 & PHG-307



### Introduction:

This easy to install, high quality, Powerlet™ panel mounted controller.

### Parts List:

- 1 - Wiring harness w/ 15A fuse
- 1 - Controller assembly
- 1 - Ty-wraps

**Please read all of the instructions carefully before attempting the installation of this product. Please have a trained professional install this kit if you are unfamiliar with these procedures.**

For safety reasons, the Powerlet Performance™ Controller should not be put in the pocket of heated apparel while it is turned on.

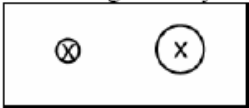
Read through the installation instructions and warranty information in this booklet before installing the Performance Controller™.

Broken wires or shorts in your heated clothing can damage your Performance Controller™, even though the clothing may appear to function normally. If your Performance Controller™ 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 Performance Controller Fails, after checking and fixing a short, you can flip the switch to off and then on. This will reset the Performance Controller™.

### Installing Your Permanently Mounted Performance Controller™

- 1) Turn knob on Performance Controller™ to off position and make sure it is unplugged from power.
- 2) Determine where the switch and LED should be mounted on your vehicle. The LED should be placed in your line of sight and not hidden behind the knob. Please note that the switch and LED are mounted on a circuit board which may be broken apart at score line if you prefer to mount the switch in a different place than where you mount the LED. Clip through the cable tie holding the board to the cable, strip back the casing of the cable as far as needed, and then reattach a cable tie (included) for strain relief.
- 3) (Template.) Drill a hole through the mounting surface for the switch. This is a template. Use only as a guide. Double check all dimensions BEFORE drilling.



Use a 1/4 inch drill bit. We recommend a Unibit #1 drill bit.

- 4) If the mounting surface is too thick for the threads of the switch, an adaptor piece (included) may be needed. The collar of the 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.
- 5) 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.
- 6) Read the warnings and follow instructions for mounting the battery harness as described in steps 1 through 4 under "Installing Your Battery Harness". The battery harness for the permanent unit is wired directly to the Performance Controller™ box.

**WARNING!** When removing the mounted Performance Controller, always disconnect the negative side of the Battery Harness cable first.

### Troubleshooting

If your Performance Controller™ does not operate, check all connections for tightness and wires for proper routing and connection. Also, check the fuse on the battery harness. If the LED is glowing Yellow and not Red then the connection to power is reversed.

S The Performance Controller™ is not guaranteed to be fully waterproof; water that gets inside may cause it to fail. It is filled with Silicon so it should stay nice and dry. But you never know.

If you have a permanently mounted unit and the LED stays on or flashes dimly even though the unit is turned off, you may need to clean the board that holds the switch. Sometimes this board may get full of road grime and soap to the point that if it gets wet there is enough resistance between the solder points of the wire going to the Performance Controller™ box that a connection is made. Solution is to use Radio Shack Color Tuner Cleaner and a toothbrush and clean the solder side of the board really well. Then cover the solder points with either dielectric grease or fingernail polish.

If your unit fails, contact us directly to help diagnose the problem before attempting to replace the Performance Controller™ with a new one. Replacing the Performance Controller™ without addressing why the first one died could lead to the replacement also failing.

Please check our website at [www.Powerlet.net](http://www.Powerlet.net) for more help with troubleshooting.