

# GTO BH-1 Battery Heater Installation Manual

Thank you for purchasing the GTO Battery Heater. Be sure to read the directions carefully and completely before permanently mounting the battery heater.

The GTO Battery heater is designed to maintain the batteries in the GTO control box at a higher temperature when the system is installed in a cold climate. The heater is easy to install and wire, and controlled by a built in thermostat that activates the heater at temperatures below 40°F (4°C). One or two heaters can be used depending on the number of batteries installed in the control box.

The heaters are designed to be used with the Mighty Mule FM500, MM560, FM502, MM562, and PRO SW3000XL, SW3000XLS, SW4000XL, SW4000XLS, SW2000XL, and SL2000B gate operators.

Power for the heaters is supplied by the incoming 18VAC GTO RB570F transformer up to 500 feet from an AC power source. Single battery systems more than 500 feet and dual battery systems more than 300 feet from the AC power source can be powered by a separate transformer. The heaters will not work on solar powered applications.

## Limited One Year Warranty

GTO Access Systems, LLC (GTO) gate opener accessories are warranted by the manufacturer against defects in workmanship for a period of one (1) year from the date of purchase, provided recommended installation procedures have been followed.

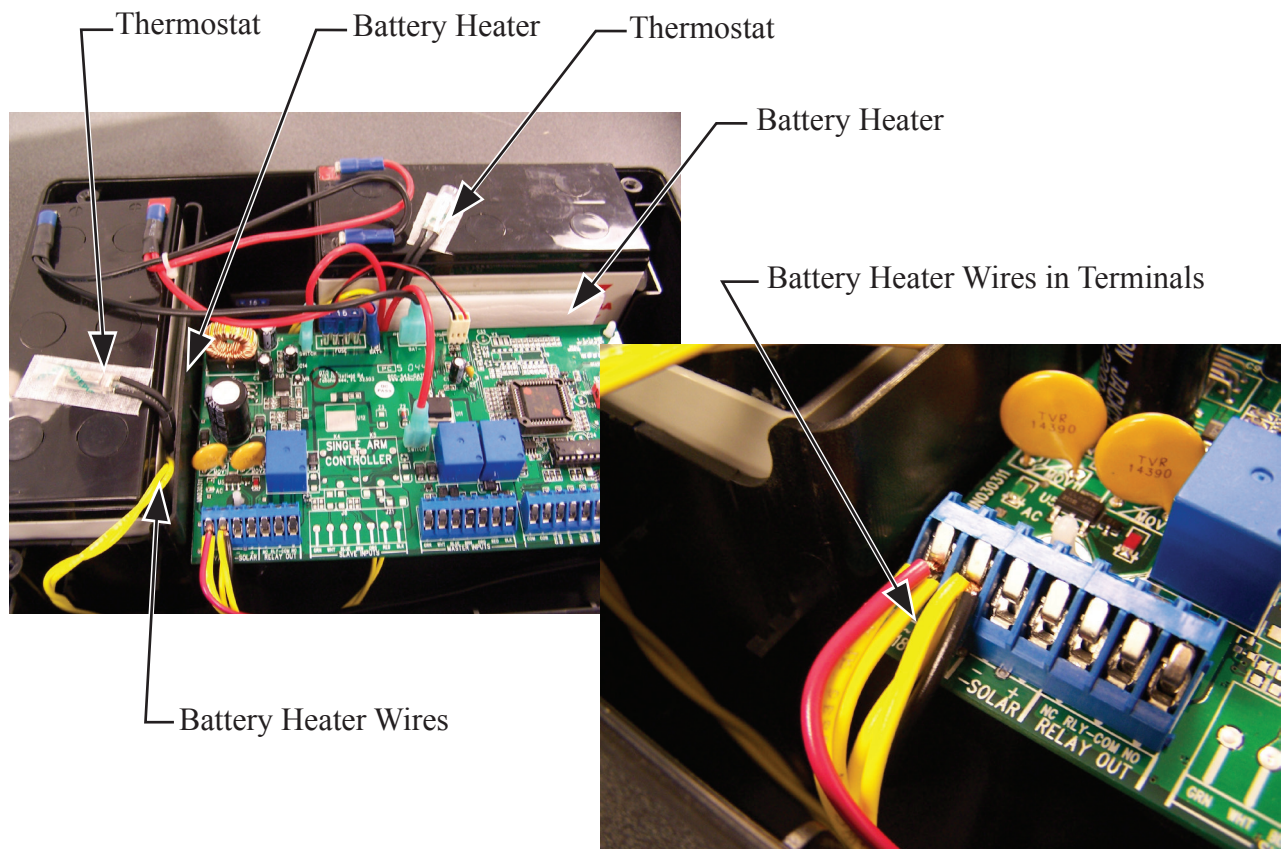
In the case of product failure due to defective material or manufacturer workmanship within the one (1) year warranty period, the accessory will be repaired or replaced (at the manufacturer's option) at no charge to the customer, if returned freight prepaid to GTO - GTO Access Systems, LLC • 3121 Hartsfield Rd. • Tallahassee, FL 32303. **IMPORTANT:** Call 850/575-4144 or fax 850/575-8950 for a Return Goods Authorization (RGA) number before returning goods to factory. Products received at the factory without an RGA will not be accepted. Replacement or repaired parts are covered by this warranty for the remainder of the one (1) year warranty period. GTO will pay the shipping charges for return to the owner of items repaired.

The manufacturer will not be responsible for any charges or damages incurred in the removal of the defective parts for repair, or for the reinstallation of those parts after repair. This warranty shall be considered void if damage to the product(s) was due to improper installation or use, connection to an improper power source, tampering, or if damage was caused by lightning, wind, fire, flood, insects, or other natural agent.

After the one (1) year warranty period, GTO or one of its authorized service centers will make any necessary repairs for a nominal fee. Call GTO at 800-543-1236 for more information. This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. This warranty is in lieu of all other warranties, expressed or implied. **NOTE:** Verification of the warranty period requires copies of receipts or other proof of purchase. Please retain those records.

## Heater Installation:

1. Install the heater(s) with the green side against the side of the battery closest to the controller board. The white foam insulation layer should face away from the battery. The heater should be pressed between the control box divider and the battery surface as shown below. Make sure the heater is pressed as far down in the control box as possible.
2. Connect the yellow wire pair in parallel with the 18VAC connection from the GTO transformer in the first two terminal positions.
3. If using two heaters, both should be connected as above. This will result in three wires in each terminal position.
4. Tape the thermostat (metal switch in clear plastic sleeve) to the top of the battery as shown with double sided tape supplied in kit
5. Make sure heater wires do not short to other circuits or become pinched by hardware in the control box.



If you have any questions or concerns, please contact our Technical Service Department at 1-800-543-1236 or 850-575-4144.  
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Telephone (850) 575-0176 • Fax (850) 575-8912 • website [www.gtoaccess.com](http://www.gtoaccess.com)

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