

The following instructions are intended to assist the user in the installation of the heater unit for use on the SlideDriver™ gate operators. The heater prevents components from freezing and not operating properly. Please read all assembly instructions before installing the kit.

## WORK SAFELY!

Only a **qualified service technician** with proper training should perform this installation. Follow all shop safety rules when performing this installation.

## PREPARATION

1. Make sure gate operator is turned off and moving components are idle.
2. Unlock and remove cover using key.
3. Set the cover aside.
4. Disconnect negative battery cable from the battery.

## INSTALLATION

1. Remove the pivoting arms from the drive post by removing the two ¼ inch bolts attached to the pin tabs.
2. By holding the pivot arms with your right hand and jiggling the arm you can easily slip the pins out.
3. Slide the two pivot arms and motors out as a complete unit.
4. The heater strip gets installed vertically in the drive post.
5. Use the two ¼ inch X 1 inch bolts to mount the strip.

### NOTICE

Components of this option are wired in a series circuit.

6. Use the bolt with a flat washer on the outside of the drive post and a flat washer on the inside of the drive post as a stand off keeping the heater strip from contacting the paint of the drive post complete the mounting by adding the 7/16 inch nuts.
7. Connect the heater cord to the heater strip; be sure to bend the terminals up so that they contact no metal surfaces.
8. Mount the strip vertically with the terminals down.
9. Take the lock washer off of the included romex connector and run the lock washer onto the heater cord.
10. Then take the heater cord and run it through the hole in the bottom of the drive post.
11. Slip on the rest of the romex connector onto the cord then run it down to the hole and mount the lock washer.

12. Take the romex connector and tighten it down onto the heater cord.
13. Take the heater cord up to the control panel box and run it through one of the knockouts to the upper left of the limit switch sockets use the plastic cord connectors to attach to the panel wall.
14. In the same corner on the inside of the panel box you will find two holes for mounting the thermostat.

See Steps 15-18 for **115/208/230VAC 1-Ø and 3-Ø** option.

### NOTICE

Components of this option are wired in a series circuit.

15. Wire one lead of the thermostat to terminal L1 of the motor contactor or VFD.
16. Connect the other lead of the thermostat to one of the heater strip leads.
17. Connect the remaining heater strip lead to terminal L2 of the motor contactor or VFD.
18. Insure there are no short circuits present and the job should be completed.

See Steps 19-22 for **480VAC 3-Ø** option.

### NOTICE

The components of a 480VAC heater are also wired in a series circuit along with an additional contactor except that it is the coil of the heater relay that is now in this series circuit.

19. Wire one lead of the thermostat to a 24VAC power source (terminals ACC+ on the smart touch power board, terminal # X1 on a relay operator)
20. Connect the other lead of the thermostat to one of the heater relay coil terminals.
21. Connect the other heater relay coil terminal to the other side of a 24VAC power source (terminal ACC- on the smart touch power board, terminal number ten of the relay operator).
22. Insure there are no short circuits present and the job should be completed.