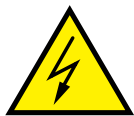


The MUSA-PS-1 is the replacement power supply board for the Banner MULTI-SCREEN safety light screen control box (MUSC-1). A new relay module is also included, factory installed.

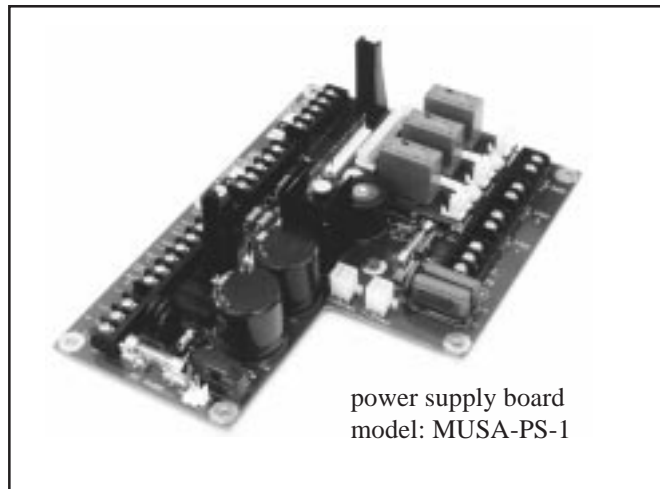


## WARNING!

Before performing any work inside the control box, always remove all power from the control box and from the machinery to which the control box is connected. Failure to do so can result in electrical shock and serious injury or death.

### Removing the old power supply board

- 1) Before opening the control box cover, remove all power to the control box and to the machinery to which the control box is connected. Open the control box cover.
- 2) The controller module must be removed to replace the power supply board. To remove the controller module, grasp the module with both hands and gently pull it outward, away from its sockets. Rock the module gently from side to side until it comes free of the connector sockets.
- 3) Remove all wires from barrier strips TB1, TB2, TB3, and TB4. Disconnect transformer wiring at TB8 and at TB6 (115V configuration) or TB7 (230V configuration).
- 4) Remove the seven screws that hold the power supply board to the control box (see drawing, below).
- 5) Remove the power supply board from the control box.



power supply board  
model: MUSA-PS-1

### Installing the new power supply board

- 1) Place the new power supply board into the control box and align the seven mounting holes. NOTE: A spare set of seven screws is provided as well as a fuse for 230V ac configuration (a 115V ac fuse is factory installed on the circuit board).
- 2) Insert and tighten the seven mounting screws.
- 3) Reconnect wiring at barrier strips TB1, TB2, TB3, and TB4. Slide the controller module back into position. Reconnect transformer wiring TB8, then connect TB6 for 115V ac or TB7 for 230V ac. NOTE: for 230V ac configuration make sure to change the ac fuse.
- 4) Refer to the system instruction manual and perform the *Commissioning Checkout Procedure* found there.

NOTE: If you have any problems or questions, contact the Banner Applications Department at (612) 544-3164.

