

Overview of the Reset Procedure

These instructions explain how to reset the Valor light bar controller after you install a service replacement board or if the light heads operate erratically. For the Valor light bar to operate correctly, the controller stores information about which LED colors it controls. Resetting the light bar controller may be necessary if you replace the controller board or if the LEDs flash erratically. To scan which colors are available at the end of the reset cycle, the controller briefly flashes all LEDs simultaneously.

Be sure to perform the reset cycle on a vehicle with a well charged battery. Failure to do so may cause the light bar to flash or operate incorrectly.

Resetting the Controller

⚠ WARNING

LIGHT HAZARD: *To be an effective warning device, this product produces bright light that can be hazardous to your eyesight when viewed at a close range. Do not stare directly into this lighting product at a close range or permanent damage to your eyesight may occur.*

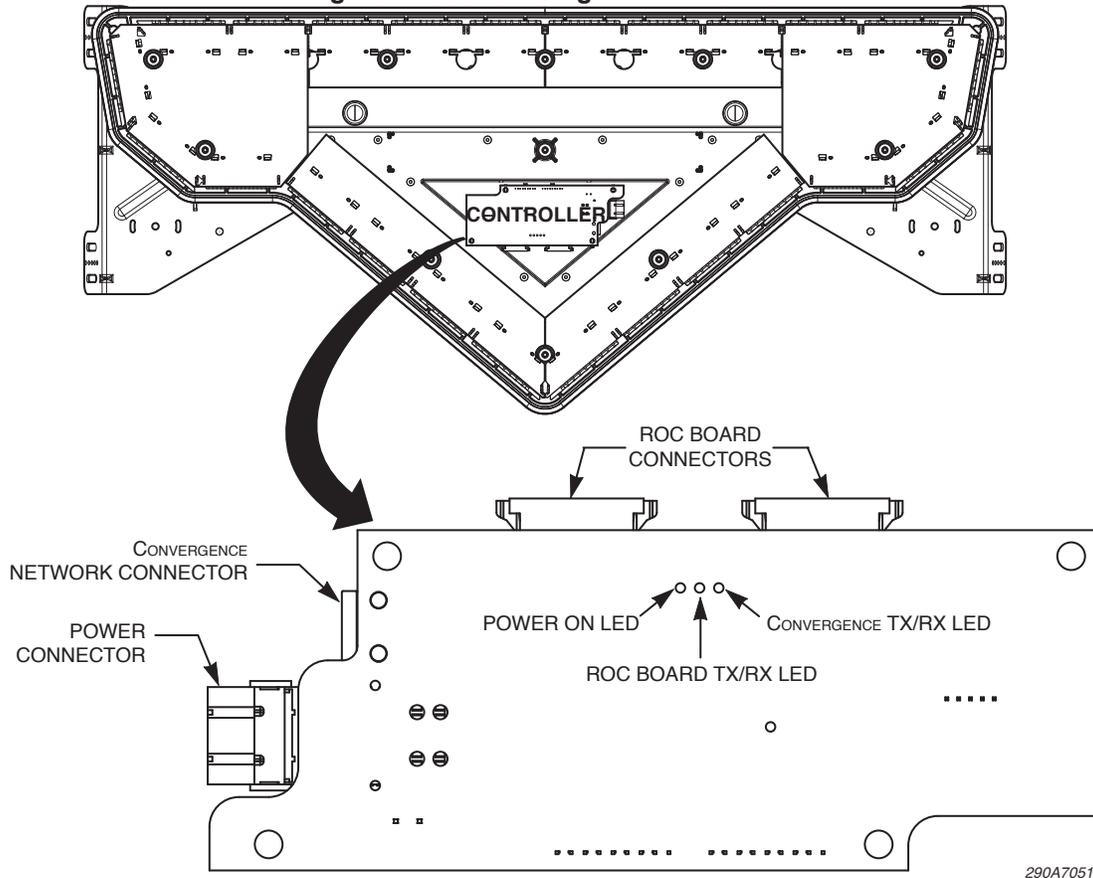
NOTICE

STATIC SENSITIVE DEVICE: *This light bar circuitry can be damaged by electrostatic discharge (ESD). Follow anti-static procedures when servicing this light bar.*

To reset the controller:

1. Remove the dome screws, top plate, and dome from the Valor. For instructions, see the Valor Installation, Maintenance, and Service Manual (doc. no. 2562549).
NOTE: If you are replacing the controller, ensure that power to the light bar is off, and then disconnect all connectors to the controller. Install the new controller and reconnect all cables to the controller board.
 2. Connect the main power and ground wires from the light bar to the battery.
 3. Apply ignition power to the light bar control head. Verify that the “POWER ON” LED is lit on the Valor controller board.
 4. Unplug the two ROC board connectors from the controller board. See Figure 1.
 5. Cycle power to the light bar by removing both the Convergence Network CAT5 connector and the power connector and reconnecting both after at least 5 seconds. In response, the “ROC TX/RX” LED and the “Convergence TX/RX” LEDs flash ON/OFF together. The “POWER ON” LED turns ON.
 6. Plug the two ROC board connectors back into their connections.
 7. Cycle power to the light bar by removing both the Convergence Network CAT5 connector and the power connector and reconnecting both after at least 5 seconds. All LEDs briefly flash once to indicate reset is finished.
 8. Test and reassemble the light bar.
-

Figure 1 Location of light bar controller



290A7051



2645 Federal Signal Drive
University Park, Illinois 60484-3167

www.fedsig.com

Customer Support

Police/Fire-EMS: 800-264-3578 • +1 708 534-3400

Work Truck: 800-824-0254 • +1 708 534-3400

Technical Support: 800-433-9132 • +1 708 534-3400

© Copyright 2012-2020 Federal Signal Corporation