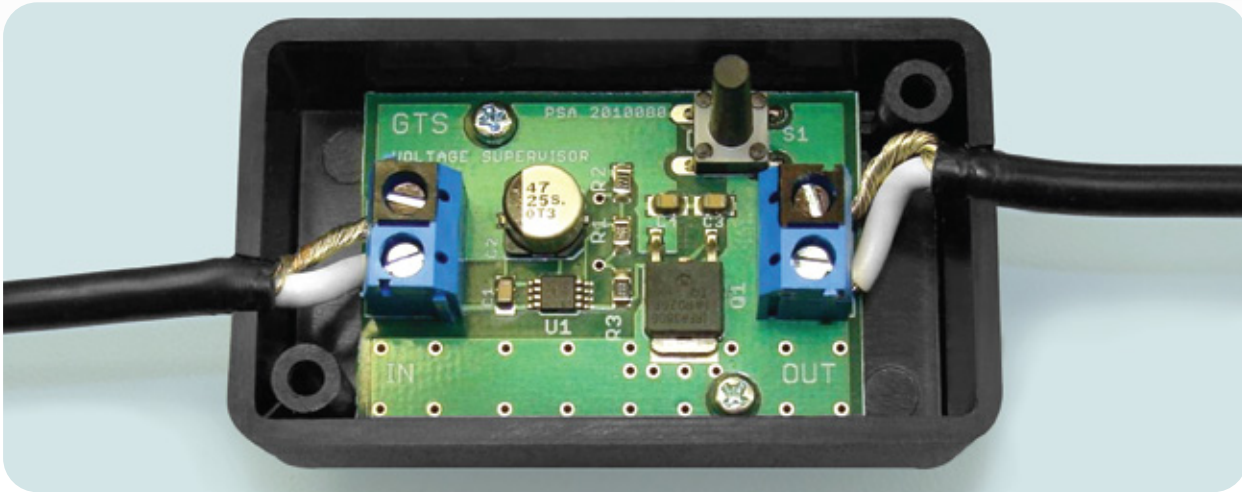




# Voltage Supervisor Installation Procedure

Revision 2

## Voltage Supervisor Installation Procedure - Revision 2



1. Cut and strip power-supply input lead (between PS and ring terminals). The lead is coaxial with the center conductor positive. Only strip a small section of the outer insulator (less than 3/4") because the box must close on the wire insulation to provide strain relief. Optional: use heat-shrink tubing to insulate the negative conductor (not shown).
2. Open the supplied box (2 screws). Note "IN" and "OUT" written on the PCB.
3. Attach supply side (ring terminal or cigarette lighter side) to screw terminals marked "IN". The outer conductor (shield) is negative and connects to the terminal painted BLACK. The center conductor (WHITE wire) is positive and connects to the unpainted (BLUE) terminal.
4. Attach load side (DC-DC converter side) to screw terminals marked "OUT". Observe polarity the same way as for the input connection.
5. Route the wires through the holes in either side. The holes are a little too small for the wire so that it will hold the wires in place and provide some strain-relief when the box is closed.
6. Replace the lid on the box. Note the hole in the lid of the box must fit over the push-button on the circuit board. Replace the 2 screws.
7. Check that the switch can be operated with a pen.

### Functional Description

The circuit provided is a voltage supervisor. It will shut off power to the load (power-supply) when the voltage drops below approximately 9.3V. The power will be re-applied after the input voltage rises above 10.6V and after approximately 5 seconds. A manual reset button is provided for convenience in case the circuit doesn't catch every condition that causes the power supply to trip. Push the reset button with a pen and the circuit will cut power to the load for approximately 5 seconds, allowing it to reset.



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