

# Battery Manager 3 User Manual

## **Load Switch Appendix**

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## Purpose.

The Battery Manager 3 Load Switch is an accessory for the Battery Manager 3EL to automate the battery testing process.

## Contents.

The Battery Manager 3 Load Switch accessory comes with two components:

- Load Switch Unit.
- 5 foot BatMan3EL to Load Switch cable.



## Connections.

The BatMan3EL to Load switch cable plugs into the side of the LoadSwitch, and into the red connector from theBatMan3EL/ It will only plug in one way, so that should not be a problem.

There are four screw connections to be made. From left to right in the photograph, the connections are:

1. Battery positive
2. Contactor positive
3. Contactor negative
4. Battery negative

The battery positive should be connected to the supply you are using to run the contactor, usually the positive of the battery you are testing.

The contactor positive connection goes to one of the coil connections of your contactor, with the contactor negative connection going to the other coil contact on your contactor.

The battery negative will go to the load side of the shunt connected to your BatMan3.

The contacts of your contactor should connect your load resistor from the positive of your battery under test, to the load side of the shunt.

## Operation.

Operation is described in your BatMan3 manual.

## Resources.

A 0.25 ohm 1000W resistor can be purchased from DigiKey to use as a load. This will place approximately a 50Amp load on a 12V battery during the test. The current will slowly go down as the voltage drops. It is recommended that you also purchase the mounting kit to go along with it, as the resistor gets hot during the drain test.

1. FSE1000-0.25-ND 0.25 ohm 1000W resistor.
2. K3003-ND FSE1000 mounting kit.

At the time of this writing, these two parts cost about \$70 plus shipping and handling.