

LOAD MANAGER 2

AUTOMATIC LOAD SHEDDING SYSTEM



MODEL #: 091-79
MODEL #: 091-79-24

File: IM_091-79-xx_reva.indd
Rev: A
Revised By: MFG
Date: 10-28-2013

3 YEAR WARRANTY



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INTRODUCTION

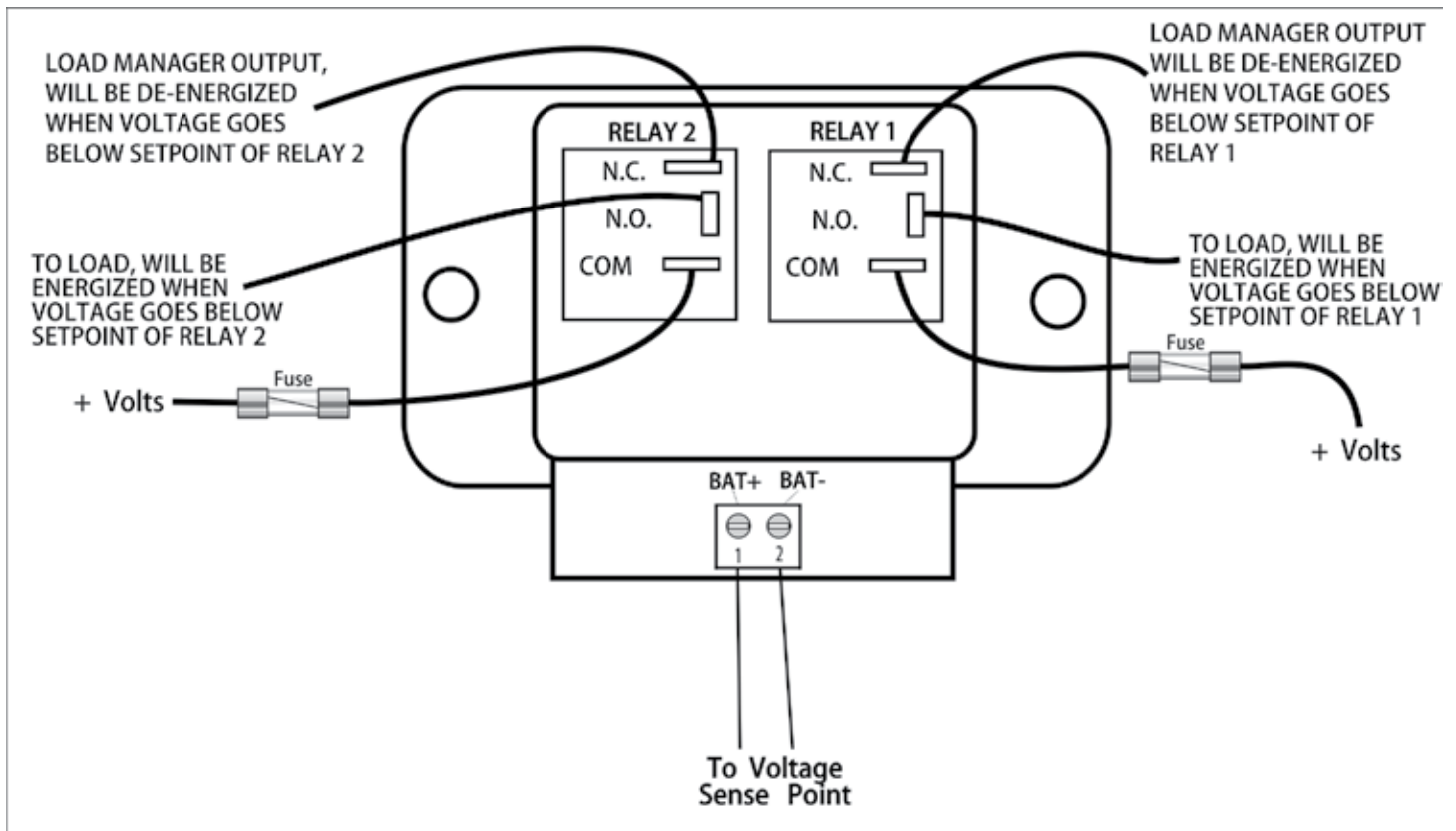
The 091-79-XX, Load Manager 2, is a device which continuously monitors the voltage of the battery. The unit is field adjustable to other voltages from factory settings. Two output relays are provided. The output relays are capable of switching 30 amperes and both “normally open” and “normally closed” contacts are provided.

INSTALLATION AND ADJUSTMENT

I. INSTALLATION OF THE LOAD MANAGER 2

Connect the Load Manager 2 to the battery and the loads as illustrated in figure 1. This is a typical circuit; many other variations are possible. It is important to connect the Bat+ and Bat- terminals to that point at which the voltage is to be sensed.

II. FIGURE 1, WIRING DIAGRAM



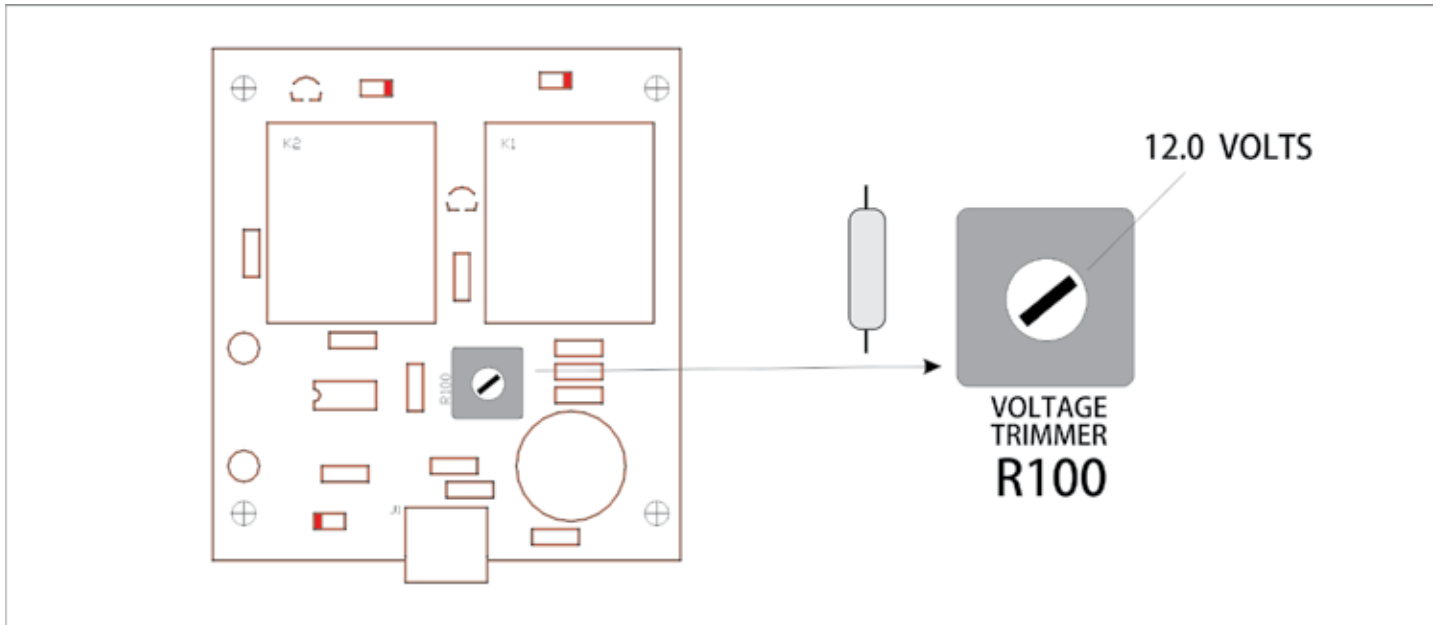
Note: Fuse size determined by Load Requirement, 30A Max.

III. ADJUSTING OF THE LOAD MANAGER 2

The factory adjustment for the Load Manager 2 is for the first relay to be energized. The 2nd relay is energized at a voltage .5 volts lower than relay 1. No separate adjustment is provided for relay 2.

To readjust the setpoint, remove the 4 screws and lift off the cover. Connect a variable voltage source to the battery input terminals and an ohmmeter across the normally open contacts of relay 1. Vary the input voltage to the point at which relay 1 just becomes energized. Turn the trimmer resistor R100 slightly CCW to lower the setpoint or slightly CW to raise the setpoint. Check the new setting to determine what voltage will cause the relay to be energized.

IV. FIGURE 2, VOLTAGE ADJUSTMENT



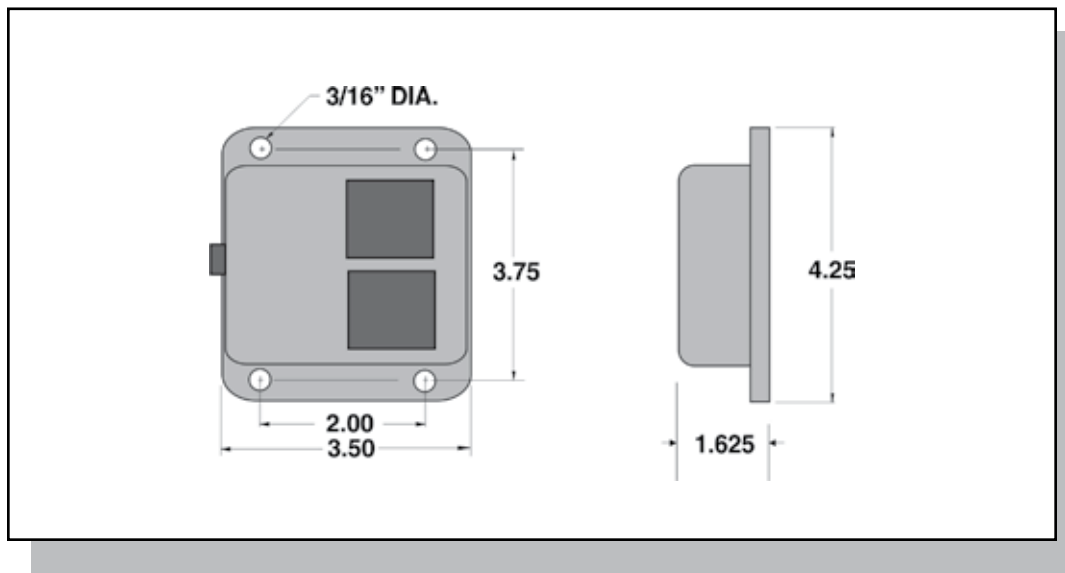
CAUTION

The circuit responds very slowly so allow ample time, 15 to 30 seconds for the circuit to respond to voltage changes. This time delay is required to prevent the relay from chattering for small changes in voltage around the setpoint.

SPECIFICATIONS

Model Number	Input Voltage (Vdc)	Input Relay Deenergized (Amps)	Input Relay Energized (Amps)	Relay Contacts (Amps)	Weight (lbs)
091-79	10 to 15	.020	.20	30	.5
091-79-24	20 to 30	.020	.10	30	.5

OUTLINE DRAWING



INSTALLATION RECORD

DATE INSTALLED _____

INSTALLED BY _____

VEHICLE IDENTIFICATION _____

VEHICLE OWNER _____

WARRANTY POLICY

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