

INSTRUCTION MANUAL

LOAD MANAGER MARK IV

A 10 CHANNEL SEQUENCER

AND

LOAD SHEDDING CONTROLLER

MODEL # 091-75

INPUT: 12 VOLTS D.C.

3 YEAR WARRANTY



KUSSMAUL ELECTRONICS COMPANY, INC.
170 CHERRY AVENUE, WEST SAYVILLE, NY 11796, TEL: 631-567-0314, 800-346-0857, FAX: 631-567-5826

INTRODUCTION:

The Load Manager Mark IV is a 10-channel sequencer and load shedding controller controlling 10 external relays that are supplied by the installer. Provision has been made to permit the installer to sequence only a total of 5, 6, 7, 8, 9 or 10 channels. Those channels for which sequencing is not selected will be energized constantly and controlled only by their own external, manually controlled switches or by the load management circuits.

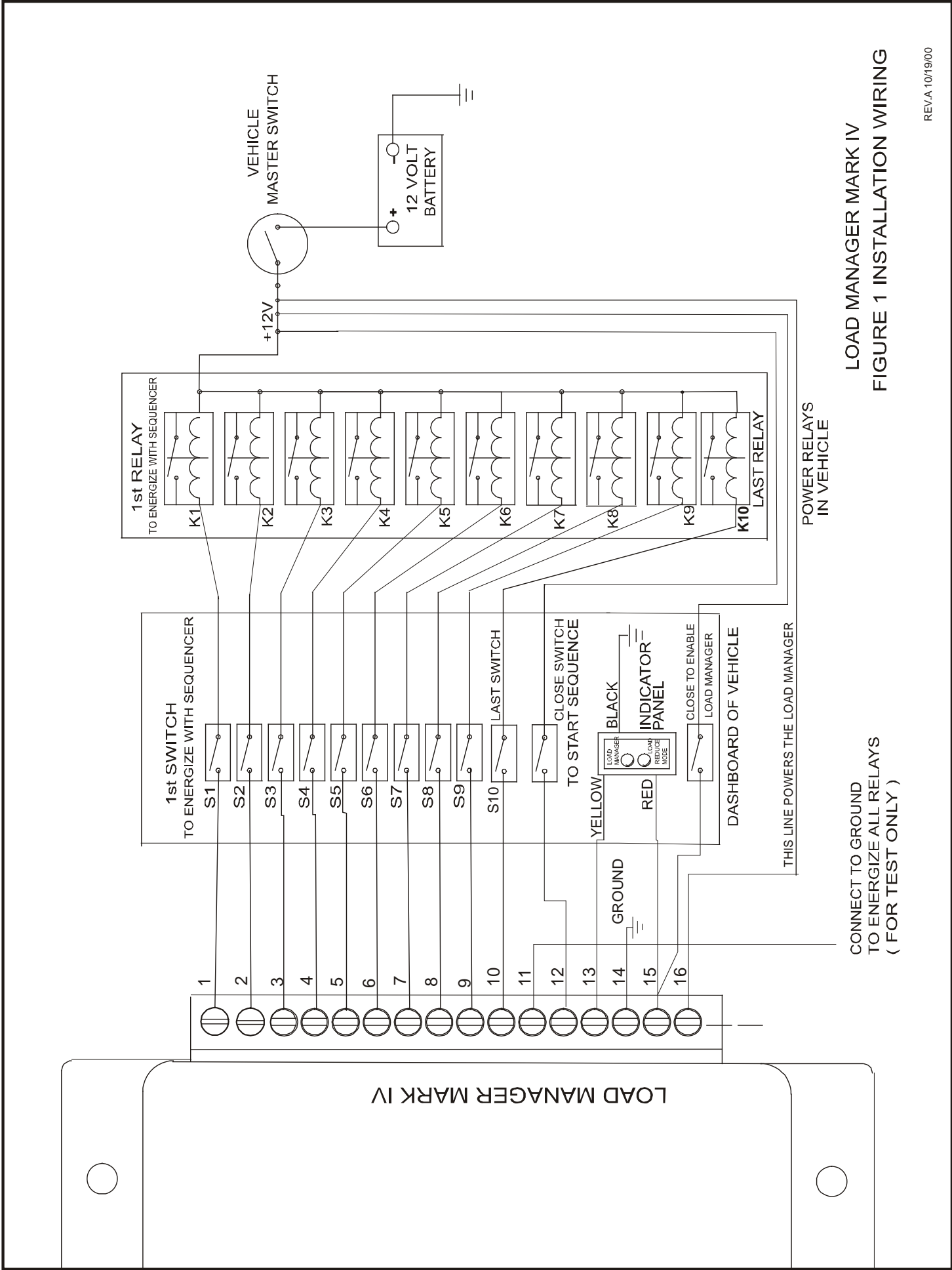
Load management for the 10 channels is completely independent of the sequencing function. Ten “dip switches” are provided, one for each channel to establish the load shedding priority. These switches permit an absolutely arbitrary selection of the shedding sequence and in addition permit any of the channels to be “locked out” and not be load shed under any circumstances.

INSTALLATION:

Install the Load Manager Mark IV in any convenient location where it is protected from water or excessive temperatures. Figure 1 is an Installation and Wiring Schematic illustrating the wiring of the manual control switches and relays.

NOTE

The LOAD MANAGER MARK IV is designed to operate relays. It is not necessary to connect to all of the outputs. Any outputs at the discretion of the installer may remain unused. Nothing need be connected to the unused outputs. Relays must have a coil resistance of 40 ohms or greater.



LOAD MANAGER MARK IV
 FIGURE 1 INSTALLATION WIRING

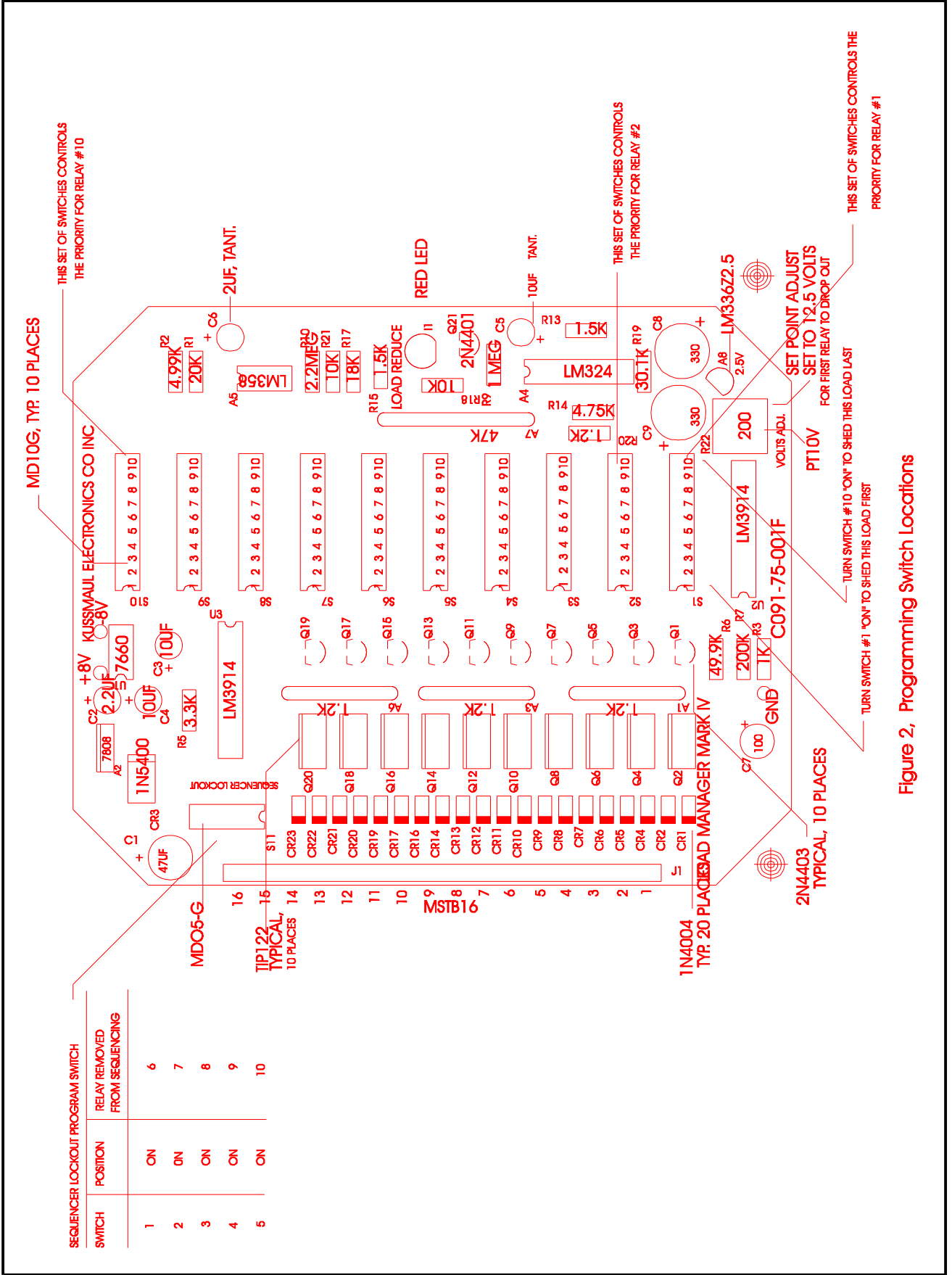


Figure 2, Programming Switch Locations

PROGRAMMING:

Recognizing that priorities may change after an installation is made, the LOAD MANAGER MARK IV is designed so that the priority of load shedding may be easily altered.

Sequencing of the loads occurs at approximately ½ second intervals starting with the relay connected to terminal 1 and progressing to the relay connected to terminal 10.

Note that sequencing of the loads is not programmable but is controlled by the wiring connections to the LOAD MANAGER.

Ten sets of dipswitches are provided for setting the priority of load shedding. Each set of dip switches controls one output and contains 10 individual switches. Setting any one of the individual switches to the “ON” position determines the load-shed priority of that output. That is, placing the #1 switch in the “ON” position determines that this output will be the first load to shed. Placing #2 switch in the “ON” position will shed this output next. Note that any of the 10 sets of dipswitches can be set to shed first and any other to be shed next. This results in a completely random load shedding priority.

NOTE

IF THE INSTALLER DETERMINES THAT SOME LOADS SHOULD NOT BE SHED UNDER ANY CIRCUMSTANCES, THEN THE DIP SWITCH CONTROLLING THAT LOAD SHOULD BE ALL SET IN THE “OFF” POSITION.

SEQUENCE CONTROL:

The installer wiring the relays to the LOAD MANAGER MARK IV controls load sequencing. In order to limit the sequencing to fewer than 10 channels a 5-element dipswitch has been provided. This switch locks out the sequencing function for channels 6, 7, 8, 9, and 10. Placing the #1 switch in the "ON" position enables channel 6 instantly, not in sequence. Placing the #2 switch in the "ON" position enables channel 7 and so forth. This sequencing lockout control has no effect on the load shedding operation. Any or all the channels that are removed from the sequencer are still controlled by their load shedding program switches.

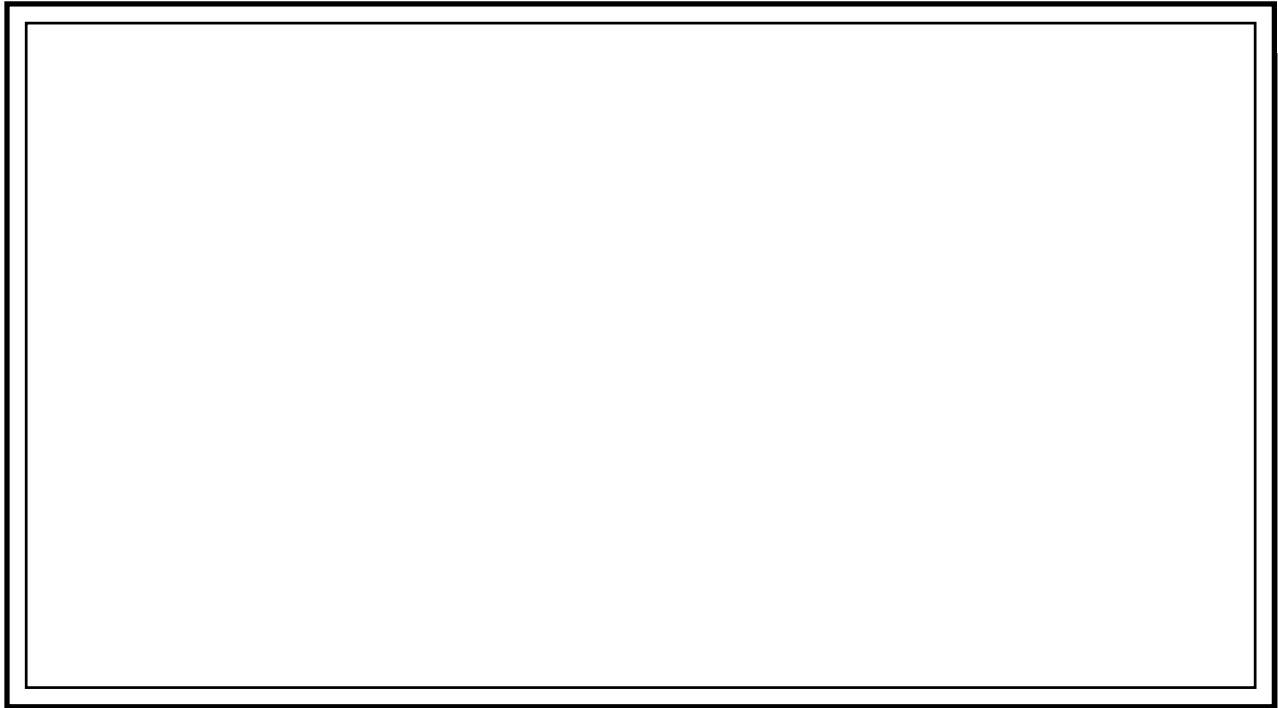
INSTALLATION RECORD & WARRANTY

Date Installed _____

Installed By _____

Vehicle Identification _____

Vehicle Owner _____

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