

*Important...*

# MARK X & SUPER X

Electric Fuel Pump  
**INSTRUCTIONS**



**SONIC-TRONICS**

7865 Mill Road Elkins Park, PA. 19027 USA

## INTRODUCTION.

The introduction of the Mark "X" and Super "X" Electric Fuel Pumps bring you a new generation of quality hobby products. They are available in both 6 volt and 12 volt operating voltages. The Mark "X" #Sot249 and the Super "X", #Sot250 are for 6 volt operation. The Mark "X" #Sot1249 and the Super "X" #Sot1250 are for 12 volt operation. The Mark "X" pumps do require an external control switch wired into the circuit for directional control. They may also be operated from a power panel having fuel pump control features. (Check the panels output voltage) The Super "X" pumps do not require this as they have a built in directional control switch.

## POWER REQUIREMENTS.

All pumps are powered from a DC voltage supply. This voltage may be supplied from a dry cell, wet cell, or nickel-cadmium battery of the proper type and output voltage. If you are using a power panel that is designed to supply the operational power and control of a fuel pump, check the original manufacturers instructions for information about the panel output voltage and how to make the proper connections. The power panel output voltage will be either 6 or 12 volts. Select the "correct model" pump. It must match your power panel voltage!

## MOUNTING.

The Mark "X" and the Super "X" pumps are designed with mounting tabs on the end of the case. The proper mounting screws are supplied. The pumps will operate in any position. However, if you have a choice of positions, always keep the fuel pump tubing connections at the lowest position in respect to the mounting.

## FUEL TUBING.

The Mark "X" and the Super "X" are designed to operate on large inside diameter type of tubing. We suggest 5/32" size tubing to be used. A Silicone Rubber or plain Rubber is acceptable. We have a special Silicone Tubing Kit (#Sot251) available that is made for this application. It contains three feet of tubing and a fueling nozzle.

**WARNING:** Never use the clear (fish tank) tubing or coiled type of plastic fuel tubing, it will shrink in time with glow fuel and bond itself to the pump outlets.

## GENERAL INFORMATION.

**Keep your pump clean.** When it is not in use and going to be stored for a period of time, flush out the internal pump unit. This is done simply by pumping some alcohol through the unit. Removing the old fuel will prevent the internal parts of the pump from getting stuck in the old fuel residue and effecting performance the next time you use it.

**"Dirt is a killer of Electric fuel pumps"**. Outside modeling areas are gritty and sandy by nature. Therefore, we strongly suggest the installation of screen type filters on your fueling system. The "first filter" is to be installed in the line between the pump and the model. The "second filter" is installed between the pump and the supply container.

Remember, a little care in handling the pump will result in many happy hours of fine performance for you.

### **WARNING**

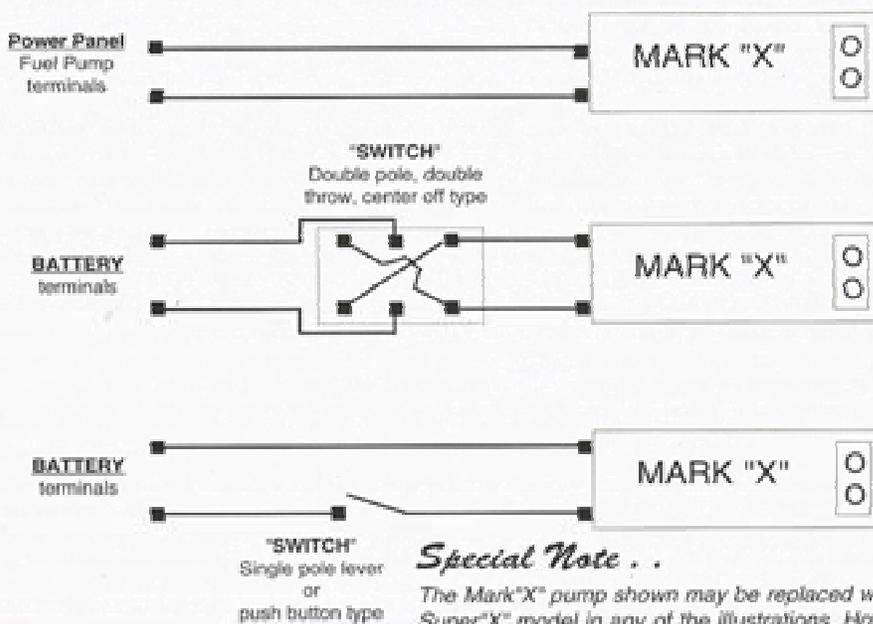
*This pump is designed to handle "only" Model Glow Fuel, Diesel Fuel and Water.*

***This pump is "NEVER" TO BE USED WITH "GASOLINE"***

*This pump is not a toy and it is not to be operated by children.*

*Sonic-Tronics Inc. assumes "NO" responsibility for damage or injury resulting from improper handling or use of this product.*

## Electrical Connections



### *Special Note . .*

*The Mark "X" pump shown may be replaced with the Super "X" model in any of the illustrations. However, in order to slave operate the Super "X" pump the built in pump control switch "must be" placed in "one" of the "on" positions.*

### **Our warranty to you. . . . .**

This pump is guaranteed for one (1) year from the date of purchase to you the original owner against defects in material & workmanship. For warranty to be valid, the unit must be registered within (1) one week of purchase. We further reserve the right to see proof of purchase on request when required.

Our warranty does not cover damage due to ingested dirt, improper use or improper handling.

Our warranty is void if the product seals are removed or tampered with, repairs or modifications are attempted or completed without first getting written consent from Sonic- Tronics Inc. If this unit should fail, Sonic- Tronics Inc. will repair or replace the unit at its option providing the above items and conditions have been complied with. All units must be returned directly to Sonic-Tronics Inc for corrective action or service as "no" Dealer, Distributor or Agent is authorized to repair or exchange the unit for the owner. Sonic- Tronics Inc. assumes NO liability for the use of this product whatsoever, and disclaims any liability beyond repair or replacement ( our option) for the period of one year from the date of purchase. No Warranties, including the implied Warranties of merchantability and fitness, extend beyond the description on the face hereof No other liabilities intended or implied.

All repairs covered under warranty will require a \$4.95 return shipping fee in the United States, other countries are additional. To speed your return in the United States we suggest the shipping cost be enclosed with the pump sent for repair.

If our warranty is voided for any reason, we will repair or exchange the unit for the maximum cost of, (Mark "X", \$13.00), (Super "X", \$15.00). This charge does not include the return shipping cost in the United States, other countries will require additional shipping costs be added. On completion of the repair or exchange, you will be sent a written notice listing our service and the corrective action taken.

# **SONIC-TRONICS**

7865 Mill Road Elkins Park, PA. 19027 USA

Ph: 215 635-6520 Fax: 215 635-4951  
Email: [info@sonictronics.com](mailto:info@sonictronics.com) Web: [www.sonictronics.com](http://www.sonictronics.com)