

TenaControls Brings Models to Life

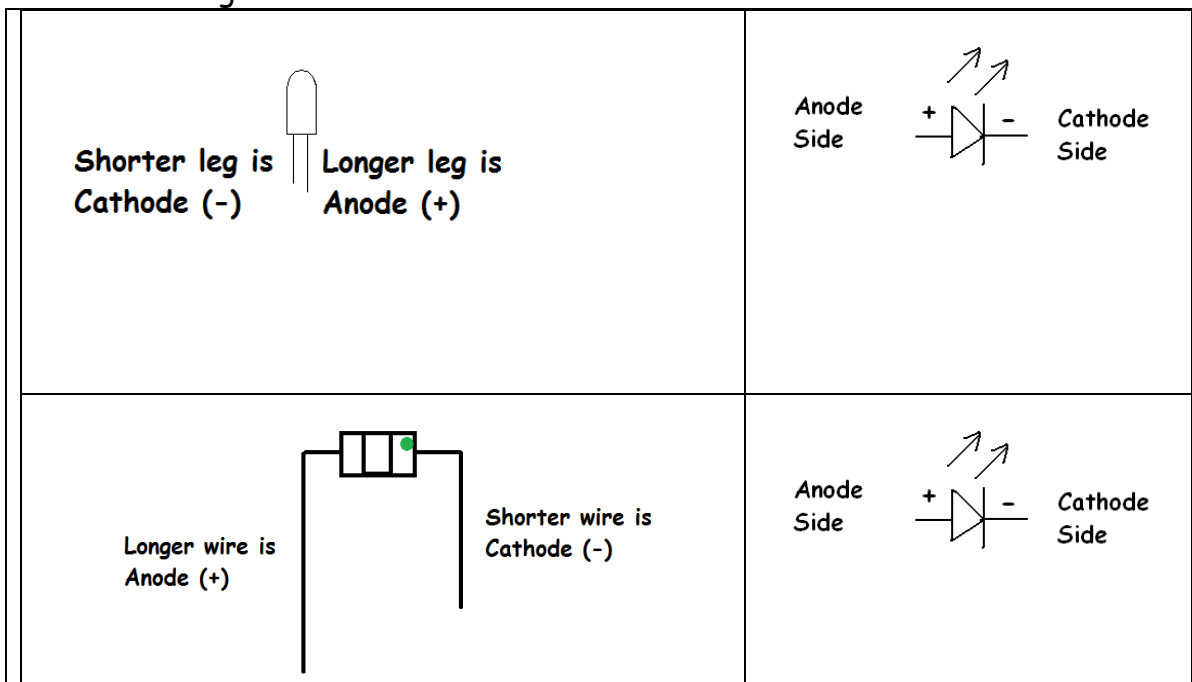
Instructions for Model#: SVWS-A, Lighting kit for the Seaview 39 inch Sub from Moebius Models

This unit is completely assembled and tested. The only thing you need to do is connect up the led's as shown below in the Master Wiring Diagram. Then just power it up with 9 or 12 volts DC. Hot glue drops on the four sides of the board works well for locking into place.

Items you will need: Soldering Iron, solder, cutter, wire stripper and additional wiring.

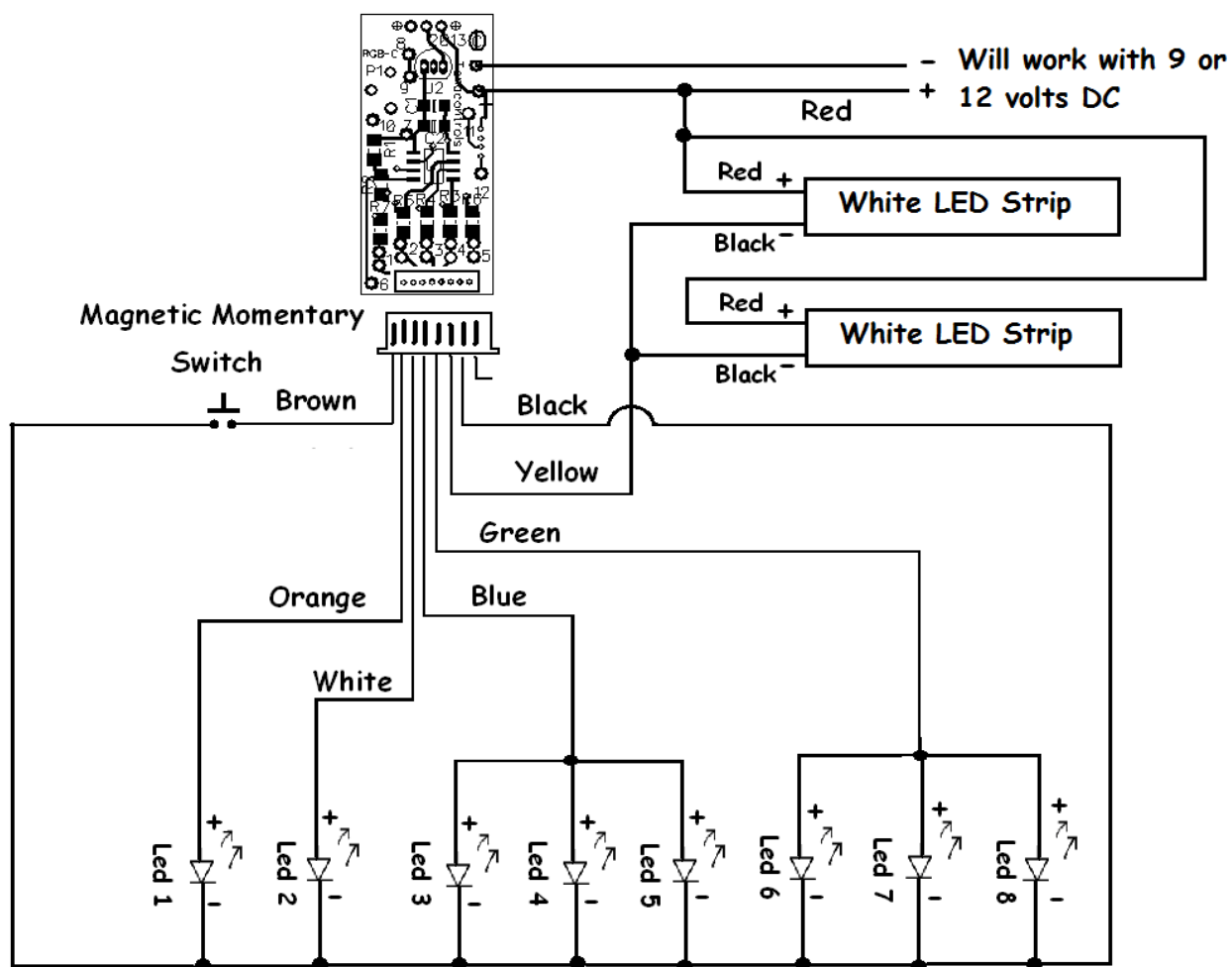
****Note:** When using the shrink tubing, you need to only slide the shrink tubing over one leg of the led to keep it from shorting against the other leg. Then use heat gun or flame from lighter to heat the shrink tubing until it shrinks around the wire connected to one of the led legs.

How to distinguish a led:



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Master Wiring Diagram



Please request a digital copy version to see it on your screen.

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Right, Starboard Side Navigation Light

1. **One Green 3mm led, LED1.** The Anode (+) of the Right Side Navigational Light led, LED1 connect to the Orange wire from the pc board. Then connect the Cathode (-) of LED1 to the Black wire from the pc board. See above diagram.

Left, Port Side Navigation Light

2. **One Red 3mm led, LED2.** The Anode (+) of the Left Side Navigational Light led, LED2 connect to the White wire from the pc board. Then connect the Cathode (-) of LED2 to the Black wire from the pc board. See above diagram.

Flood Lights

3. **Three White 5mm led's, LED3-LED5.** The Three Anodes (+) of the Flood Lights led's, LED3-LED5 connect to the Blue wire from the pc board. Then connect the Cathode (-) of LED3-LED5 to the Black wire from the pc board. See above diagram.

Tail and Sail Fin Lights

1. **Three White 5mm led's, LED6-LED8.** The Three Anodes (+) of the Flood Lights led's, LED6-LED8 connect to the Green wire from the pc board. Then connect the Cathode (-) of LED6-LED8 to the Black wire from the pc board. See above diagram.

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Cabin Strip Tape Lights

4. **Two White LED Strip Tape Pieces.** The Two Red wires, Anodes (+) of the Cabin LED Strip Tape connect to the Red power wire from the pc board. Then connect the Black wires, Cathode (-) of the Cabin LED Strip Tape connect to the Yellow power wire from the pc board. See above diagram.

5. Once all the above wiring is done, turn on power to the board. Use the supplied magnet to turn on the all the lights on by swiping the magnet across the Magnetic Switch.

6. Swipe the magnet across the Magnetic Switch, the Navigation lights go off.

7. Swipe the magnet across the Magnetic Switch, the Tail lights and the Sail light go off.

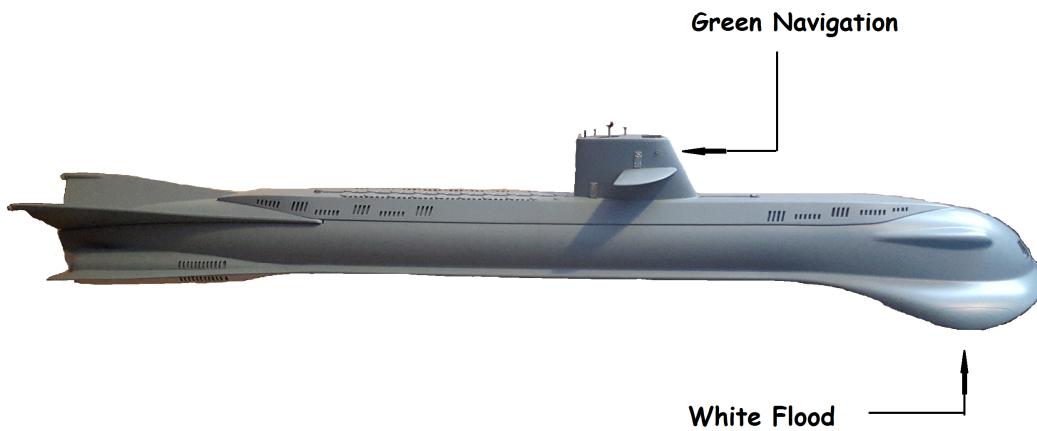
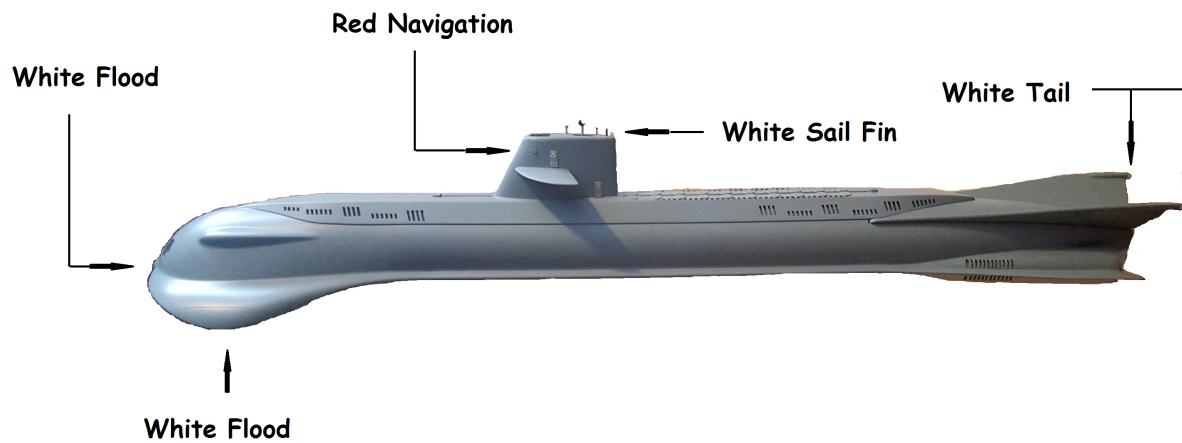
8. Swipe the magnet across the Magnetic Switch, the Flood lights go off.

9. Swipe the magnet across the Magnetic Switch, the Cabin lights go off. At this point you are in a Demo Mode, steps 5-9 will repeat one at a time every 5 seconds.

10. To stop the Demo Mode and shut all the lights, swipe the magnet across the Magnetic Switch.

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LED Locations



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Warranty

TenaControls warrants that the control boards sold meet TenaControls specifications and are adequately contained, packaged and labeled and conform to the promises and affirmations of fact made on the container and label. THE FOREGOING WARRANTIES ARE EXCLUSIVE, AND ARE IN LIEU OF ALL OTHER WARRANTIES (WHETHER WRITTEN, ORAL OR IMPLIED) INCLUDING WARRANTY OR MERCHANTABILITY IN OTHER RESPECTS THAN EXPRESSLY SET FORTH ABOVE AND WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

In the event that there is a breach of express warranty by the manufacturer made in connection with the purchase of this product, if any, the sole remedy of any buyer shall be to return the product along with original sales receipt, at **buyer's expense** for repair (or replacement of the product if repair is impossible) to the manufacturer's facility in the Commonwealth of Massachusetts, located at 22 Hancock Street, Milford, MA 01757. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above limitation may not apply to you. Nothing herein contained shall be construed to be a waiver by the manufacturer of any of the obligations imposed upon said buyer under the laws of the Commonwealth of Massachusetts except as herein specifically stated.

This warranty is enforceable only by the buyer of the product or a person in the buyer's immediate family. This warranty is enforceable for a period of **FIVE YEARS** from the date of purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above warranty may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Warranty Void if:

- A) Product is altered in any way.
- B) Used for other than its intended use.
- C) Buyer mishandling.