

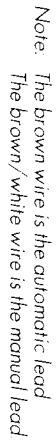
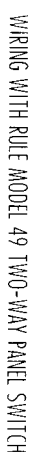
HOSE AND THRU-HULL

THREE WIRE INSTALLATIONS

- WIRING WITH RULE MODEL 45 THREE-WAY PANEL SWITCH — NO LIGHT

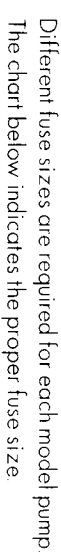


ENDING WITHIN ONE MONTH AND THEN MAY HAVE SWITCHED

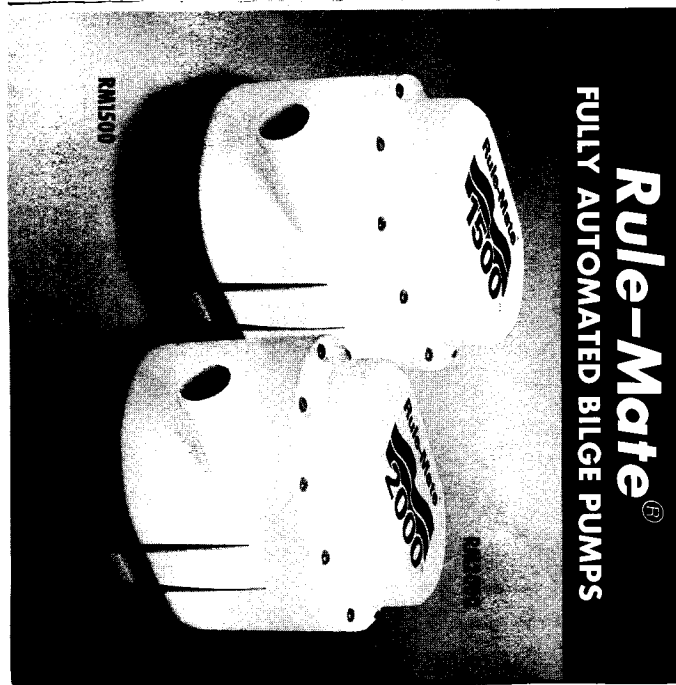


The brown/white wire is the manual lead.

FUSE



	GPH@0' (0m)	GPH@3.35' (1m)	GPH@6.7' (2m)
RM1500			
13.6 volts	1500 (567.0L)	1200 (454.0L)	800 (303.0L)
12.0 volts	1350 (511.0L)	1000 (375.0L)	600 (227.0L)
RM2000			
13.6 volts	2000 (757.0L)	1620 (613.0L)	1300 (492.0L)
12.0 volts	1740 (658.5L)	1450 (549.0L)	1160 (439.0L)
RM2000-24			
27.2 volts	2000 (757.0L)	1620 (613.0L)	1300 (492.0L)
24 volts	1740 (658.5L)	1450 (549.0L)	1160 (439.0L)



Rule-Mate® FULLY AUTOMATED BILGE PUMPS



Cape Ann Industrial Park
Gloucester, MA 01930
www.rule-industries.com



ISO 8849 Marine
(Bilge Pumps)

ISO 8846 Marine
(Ignition Protection)

WARNING !

This pump is designed for use with fresh and salt water only. Use with any other medium, including particularly hazardous, caustic or corrosive substances, could result in damage to the pump, the surrounding environment and injury to persons or property, including possible exposure to hazardous substances. **is pump is for water applications only.**

M-2339 REV C

Rule



ITT Industries

Engineered for life

INSTALLATION INSTRUCTIONS

Mounting

1. Disassemble Rule-Mate pump as follows:
Press white housing fingers inward to release pump housing. Lift pump housing from strainer.
2. Mount the blue strainer in the lowest point of the bilge. Secure with stainless steel screws or, on a fiberglass boat you may fiberglass a wood block in place onto which you can fasten the strainer. You must keep the strainer 2" from the nearest wall.
3. Reassemble the pump by aligning the pump clasps to accept the strainer base and press down hard to make sure the pump is snapped firmly in place.

HOW THE RULE MATE WORKS

Turn On

When water enters the bilge, the built in float switch will rise until it turns on the pump (at about 2-3/4 inches of water). However, the pump will not turn on until the float switch has been in the raised position for about two seconds. This prevents cycling of the pump caused by the float switch bouncing due to the motion of the boat.

Turn Off

After the pump removes the majority of the water, the impeller will sense that the water level has been lowered and will start to go into its turn off cycle. The pump will then continue to run for about 15 seconds beyond this point in order to maximize the removal of the water.

Overload Protection

If ever the impeller becomes jammed because of debris or some other obstruction, the pump will shut off to prevent damage to the pump. After one minute the pump will turn on again to check if the obstruction is still preventing the free motion of the impeller. The pump will continue to test every minute until the pump is shut off and the obstruction removed.

CLEANING THE IMPELLER AND FLOAT SWITCH

It is very important to keep the float and impeller areas as clean as possible. Oil, grease, and debris can potentially accumulate and impede the operation of the pump. It is a good practice to keep your bilge as clean as possible. Routine cleaning with a quality Bilge Cleaner, such as Sudbury® Bilge Cleaner will reduce the amount of oil and grease that can build up on the pump.

1. To clean the impeller area of the pump, remove the six stainless steel screws which hold the impeller case in place. You can also remove the float switch for cleaning when the impeller case is removed.
2. After cleaning, install the float in the float cavity. BE SURE the surface marked "THIS SIDE DOWN" is visible after installation.
3. Reinstall the impeller case by inserting the casing and refasten six stainless steel screws. All SS screws must be replaced for proper operation.

