

Rule Super Switch

INSTALLATION INSTRUCTIONS

The rule® SUPER SWITCH™ will make any submersible bilge pump using up to 20 amps. automatic. It can also be used to turn on high water alarm systems and engine driven pumps with electric clutches.

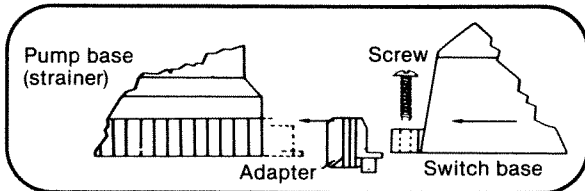
THIS PRODUCT SHOULD BE FUSED WITH THE RECOMMENDED FUSE SIZE FOR THE RULE® PUMP TO WHICH IT IS CONNECTED.

DO NOT USE SWITCH IN APPLICATIONS OPERATING AT MORE THAN 20 AMPS.

MOUNTING INSTRUCTIONS

Your rule® SUPER SWITCH may be mounted directly on those rule® pumps which accept an adapter (pumps with capacity of 1500 gph and greater) or in a remote location with any pump.

To mount directly to a Rule pump, simply slide the end of the adapter into the strainer until it snaps. Attach the switch to the adapter as follows:



Rule adapters (Model 64 and 65) are also separately available as accessories.

To mount the switch separate from the pump, use the screws provided and mount the switch on a flat surface. Do not overtighten the screws as this may distort the switch and impair its operation. On all pumps, it is important that the switch be mounted 1/4" higher than the base of the pump strainer. This will assure positive shut-off of the pump.

ELECTRICAL

Wire as shown in the diagram below. The hot side of the battery should connect directly to a fuse. This will prevent damage to the switch and pump should a short occur. When adding additional wire, the wire added should be the same size (gauge) or larger than the size of the wire leads coming directly from the pump. For installations requiring over 20 feet of additional wire, the size of the added wire should be increased (e.g. if pump is 14 ga., added wire should be 12 ga.). KEEP ALL WIRE CONNECTIONS ABOVE THE HIGHEST WATER LEVEL. CUTTING THE SWITCH OR PUMP WIRES MAY VOID THE WARRANTY AND/OR CAUSE PREMATURE FAILURE. ALL WIRE CONNECTIONS SHOULD BE SEALED WITH rule® ELASTOMERIC MARINE SEALANT TO PREVENT WIRE CORROSION.

For the best installation, it is recommended that the rule® Deluxe 3-Way Panel Switch (Model 41 or 42) be used. It is prewired with a red light and fuseholder (see wiring diagram below).

SUPER SWITCH GUARD INSTALLATION (optional)

1. Mount the SUPER SWITCH as described above.
2. Open the SUPER SWITCH GUARD by grasping at the serrations with the thumb and index finger and pulling from red base. Do not pinch red base.
3. Push red base under float and onto switch base until it snaps and locks into position.

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4. Replace top of guard.
5. Push "Push to Test" button to check freedom of float movement. Make sure Model #41 or 42 panel switch is on automatic position.
6. Pump should come on when button is fully depressed.

PLEASE NOTE

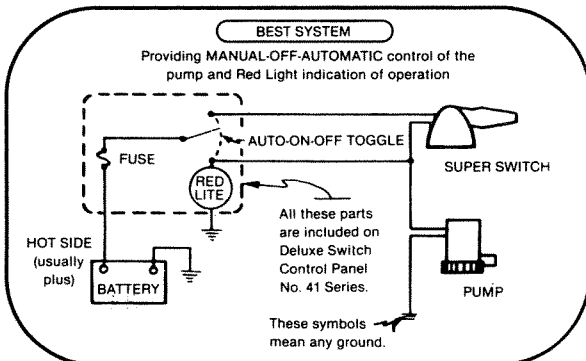
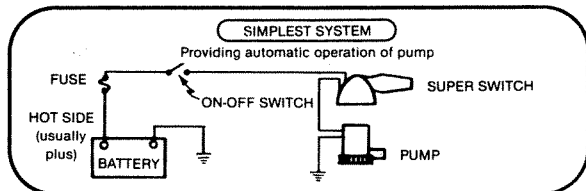
1. The rule® SUPER SWITCH is designed for automatic operation. It will automatically turn pump on when water is 2 1/4" deep and will turn pump off when water level is 3/4". To pump water level lower, use manual portion of rule® Panel Switch or push the "Push to Test" button on SUPER SWITCH GUARD. If no guard is used, lift the float 2 1/4" to manually start pump.

2. It is important to use a rule® SUPER SWITCH GUARD or keep the switch area clear of debris at all times so that the switch's movement is not obstructed by objects caught under or on top of the float.

3. The liquid sound you hear in the pendulum portion of the switch is mercury, not water.

4. IF FLOAT ACTION APPEARS SLUGGISH AND/OR THE FLOAT DOES NOT MOVE FREELY, INTERMITTENT OR SPORADIC OPERATION OF THE PUMP MAY OCCUR. THIS CONDITION IS USUALLY THE RESULT OF OIL AND/OR DIRT ACCUMULATING IN AND AROUND THE MOVABLE PARTS OF THE SWITCH. TO CLEAN, TRY SOAKING THE ENTIRE SWITCH IN Sudbury® HEAVY DUTY BILGE CLEANER OR rule® ALL PURPOSE MARINE CLEANER FOR 10 MINUTES, AGITATING SEVERAL TIMES AND CHECKING FOR SMOOTH AND FREE OPERATION OF THE FLOAT. REPEAT IF NECESSARY.

WIRING DIAGRAM



LIMITED WARRANTY

Rule Industries, Inc. warrants to the original retail purchaser that its SUPER SWITCH™ is free from defective materials and workmanship for a period of two years from date of purchase.

During the indicated period, the Dealer is authorized, based on valid bill of sale, to make an immediate no-charge replacement. Alternatively, the defective product may be returned directly to the factory, postage prepaid, with the original bill of sale. Rule, at its option, will either repair or replace the product and return it postage prepaid.

This warranty does not extend to products that prove to be operative or that have been subject to misuse or physical abuse, or to wiring or installation that is either improper or contrary to instructions provided. ALTERATION OR REPAIR, except at Rule's factory voids this warranty.

No representative or other person is authorized to assume for Rule, any additional liability in connection with the sale of this product or to alter this warranty in any way. All implied warranties and incidental or consequential damages are disclaimed and/or limited to the full extent allowed by law. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion 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. For warranty service, write to:

CUSTOMER SERVICE DEPARTMENT
RULE INDUSTRIES, INC.
CAPE ANN INDUSTRIAL PARK
GLOUCESTER, MA 01930