



# SJE RHOMBUS Verticalmaster 3 Plus Float Switch Installation Guide

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**SJE RHOMBUS Verticalmaster 3 Plus Float Switch**



## Product Information

The product is an electrical pump switch designed for direct control of pumps in non-potable water applications. It is suitable for use in small sump chambers, effluent applications, laundry trays, and large tanks where space is limited. The switch is mechanically activated and is available for pump down applications only. It is not suitable for control (pilot duty) applications.

The product has several electrical warnings to ensure safety during installation and servicing. It must be installed and serviced by a qualified service person according to applicable electrical and plumbing codes. Disconnect power before installation or servicing. Do not use the product with flammable liquids. Install in accordance with ANSI/NFPA 70. Failure to follow these precautions could result in serious injury or death.

The product must be installed in accordance with the National Electric Code, ANSI/NFPA 70 to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable. If the switch or cable becomes damaged or cracked, the product should be replaced immediately. Keep the instructions with the warranty after installation.

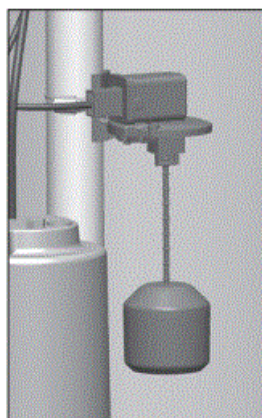
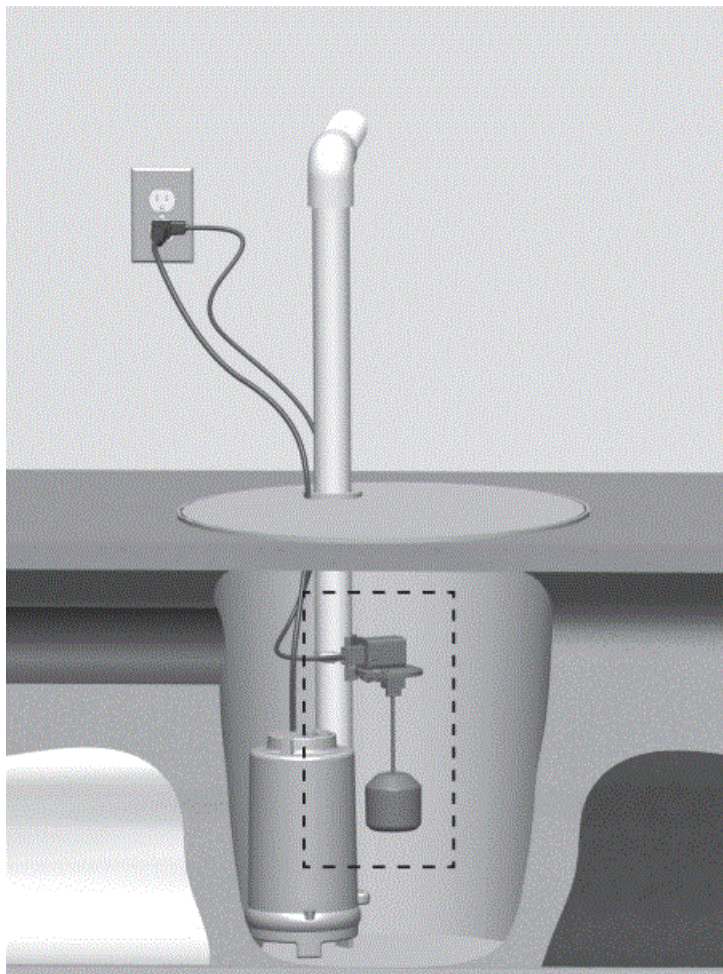
The product is covered by a Five-Year Limited Warranty. For complete terms and conditions, please visit [www.sjerhombus.com](http://www.sjerhombus.com).

Technical support is available by phone at +1 800-746-6287 or by email at [techsupport@sjerhombus.com](mailto:techsupport@sjerhombus.com). Technical support hours are Monday – Friday, 7 A.M. to 6 P.M. Central Time.

## Product Usage Instructions

1. Determine the location for the float switch.
2. Secure the float switch to the discharge pipe by inserting the hose clamp through the mounting bracket slots and tightening it.
3. Adjust the pumping range according to your requirements.
4. If the unit does not have plugs, connect the wires as shown.
5. In 230 VAC installations, ensure that one side of the line going to the load is always HOT. Install a double pole disconnect on all 230 VAC circuits. Make sure cable connections are performed in a dry junction box or other watertight seal that seals both conductors and cable jacket.
6. After installation, test the unit to ensure proper operation.

## Installation Instructions



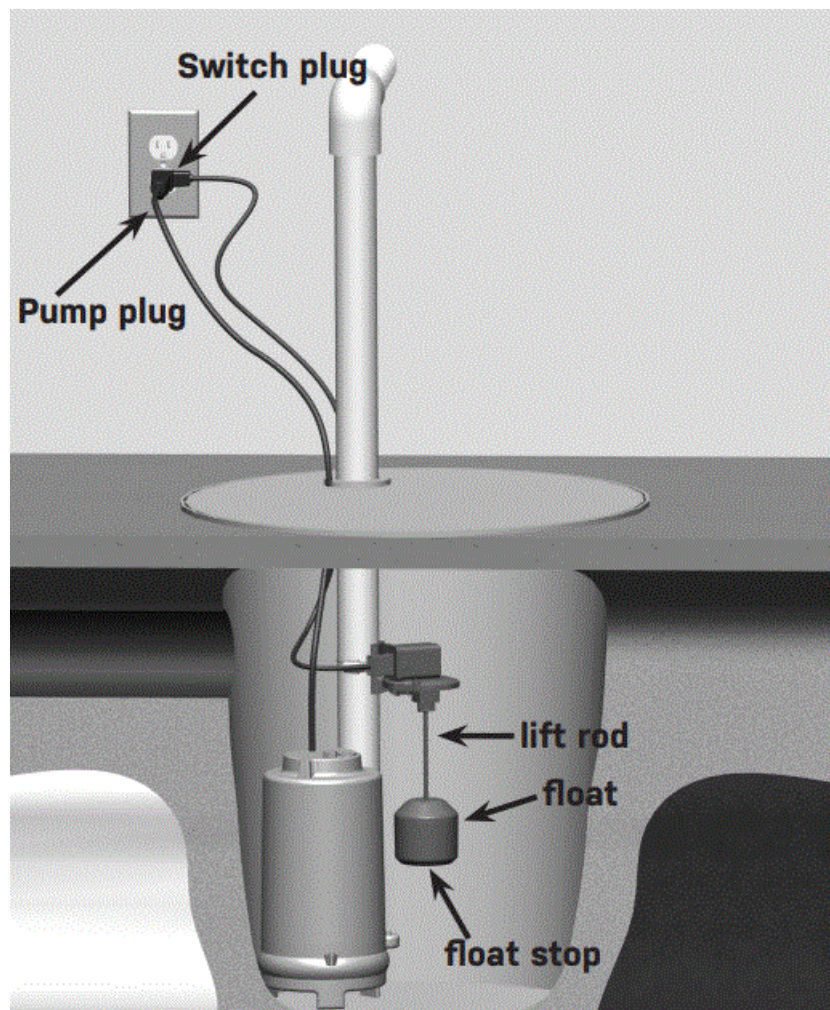


U.S. Patents  
D837745-S, 10141141-BS,  
D818441-S, D817455-S, 20170250041-A1  
Canadian Patent  
CA3011555  
Canadian Design  
174,615; 179,579; 174,614  
Foreign Patents Pending

### **SJE VERTICALMASTER® 3 PLUS FLOAT SWITCH**

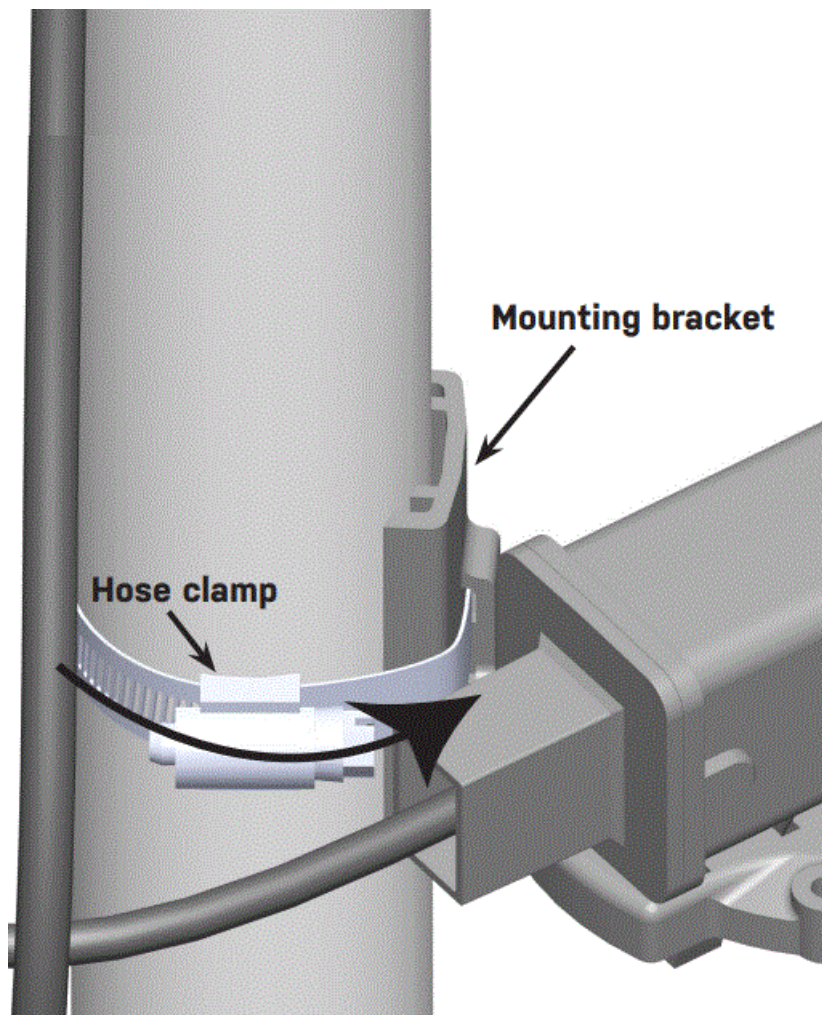
This mechanically activated pump switch is designed for direct control of pumps in non-potable water applications. It is well suited for applications with limited space such as: small sump chambers, effluent applications, and laundry trays, as well as in large tanks. It is available for pump down applications only.

1. Determine location for float switch.

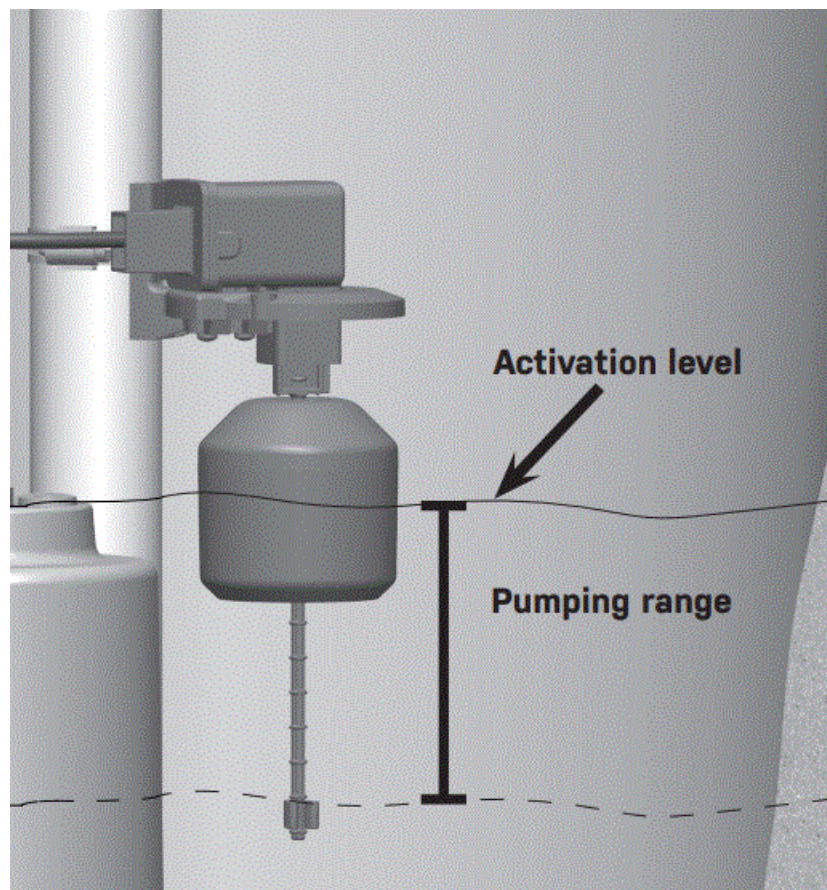


2. Secure float switch to discharge pipe by inserting the hose clamp through the mounting bracket slots and tightening the hose clamp.





3. Adjust pumping range.

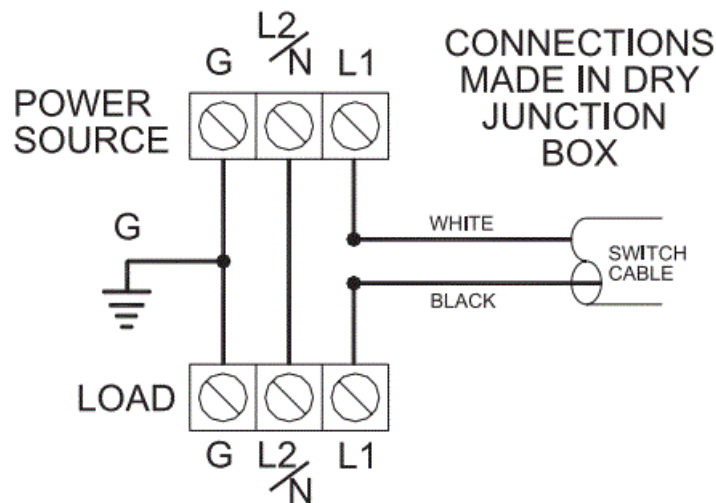


4. For units without plugs, connect wires as shown.

**WARNING**

In 230 VAC installations, one side of the line going to the load is always HOT. This condition exists if the switch

is on or off. Install double pole disconnect on all 230 VAC circuits. Ensure cable connections are performed in a dry junction box or other watertight seal that seals both conductors and cable jacket. Failure to do so could result in electrical shock hazard and/or water traveling down cable and entering the switch. Failure to guard against this may affect switch performance.



5. Test unit after installation to ensure proper operation.

## ELECTRICAL WARNINGS

### WARNING

#### ELECTRICAL SHOCK HAZARD

Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

#### EXPLOSION OR FIRE HAZARD

Do not use with flammable liquids. Install in accordance with ANSI/NFPA 70.

Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch or cable becomes damaged or cracked. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

For detailed specifications on this product, or for the complete line of SJE Rhombus® panel, alarm, and switch products, visit our website at [www.sjerrhombus.com](http://www.sjerrhombus.com).

A Pump Switch is designed for Horsepower (HP) rated loads and is not suitable for control (pilot duty) applications. It will fail prematurely when switching loads less than 1 Amp at 120 VAC. Select a float switch from our Control Switch offering for control applications.

## PREVENTATIVE MAINTENANCE

- Periodically inspect the product. Check that the cable has not become worn or that the housing has not been damaged so as to impair the protection of the product. Replace the product immediately if any damage is found or suspected.
- Periodically check to see that the float and rod are free to move and operate the switch.
- Use only SJE Rhombus® replacement parts.

## NOTICE!

Products returned must be cleaned, sanitized, or decontaminated as necessary prior to shipment to ensure that employees will not be exposed to health hazards in handling said material. All applicable laws and regulations shall apply.

## SJE RHOMBUS® FIVE-YEAR LIMITED WARRANTY

Five-Year Limited Warranty.

For complete terms and conditions, please visit [www.sjerhombus.com](http://www.sjerhombus.com).

Technical Support: +1 800-746-6287

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Technical Support Hours: Monday – Friday, 7 A.M. to 6 P.M. Central Time

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## Documents / Resources

	<p><b><a href="#">SJE RHOMBUS Verticalmaster 3 Plus Float Switch</a></b> [pdf] Installation Guide 1068896D, Verticalmaster 3 Plus Float Switch, Verticalmaster 3, Verticalmaster, Verticalmaster Float Switch, 3 Plus Float Switch, Float Switch, Float, Switch</p>
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[Manuals+](#).