



INSTRUCTION MANUAL

Electronic Float Switch

12V/24V

19421

INSTALLATION INSTRUCTIONS: READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING OR SERVICING THIS PRODUCT



SPXFLOW
> Johnson Pump®

Electronic Float Switch

Suitable for all SPX FLOW Johnson Pump submersible bilge pumps in marine environment. To be installed in the keelson.

- The float switch should be located at the lowest position in the bilge and mounted with base of switch even or below base of bilge pump.
- Always install the switch according to wiring diagram (see illustration #2 and #3)
- The wire connections must be sealed with a marine sealant.
- Insulation or cable sheathings must be placed above the highest bilge water level.

Installation

The switch is designed to attach the SPX FLOW Johnson Pump Cartridge bilge pump. To attach it to another SPX FLOW Johnson Pump bilge pump, use the adapter provided.

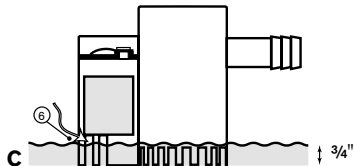
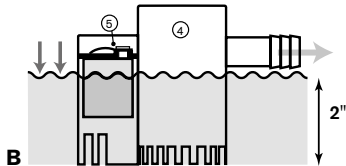
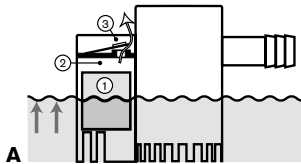
Type designation	Part No. (US)	Ampere draw	
Electronic Float Switch 12V	36152	Type	Max
Electronic Float Switch 24V	36252	36152 12V	15A
		36252 24V	10A

Operation

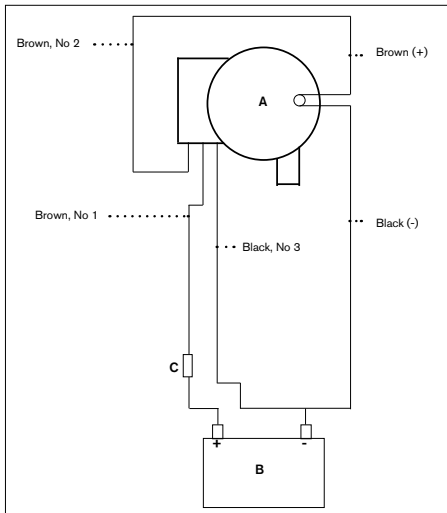
See illustration #1.

- When the bilge water rises the magnet float (1) floats up and the air in the float house (2) is forced out through the vent hole (3).
- The magnet float starts the pump (4) when bilge water reaches 2". The valve (5) closes and the magnet float stays in the start position due to vacuum inside the float house.
- When the bilge water has sunk to level $\frac{3}{4}$ ", air is let in through the air opening (6) in the float house. The magnet float falls down and cuts off the power.

Operation - Illustration #1



Electrical installation without panel - Illustration #2



A Bilge pump

B DC supply

C Fuse