

# BG-SPKit-A / BG-SPKit-B

Sump Pump Kit

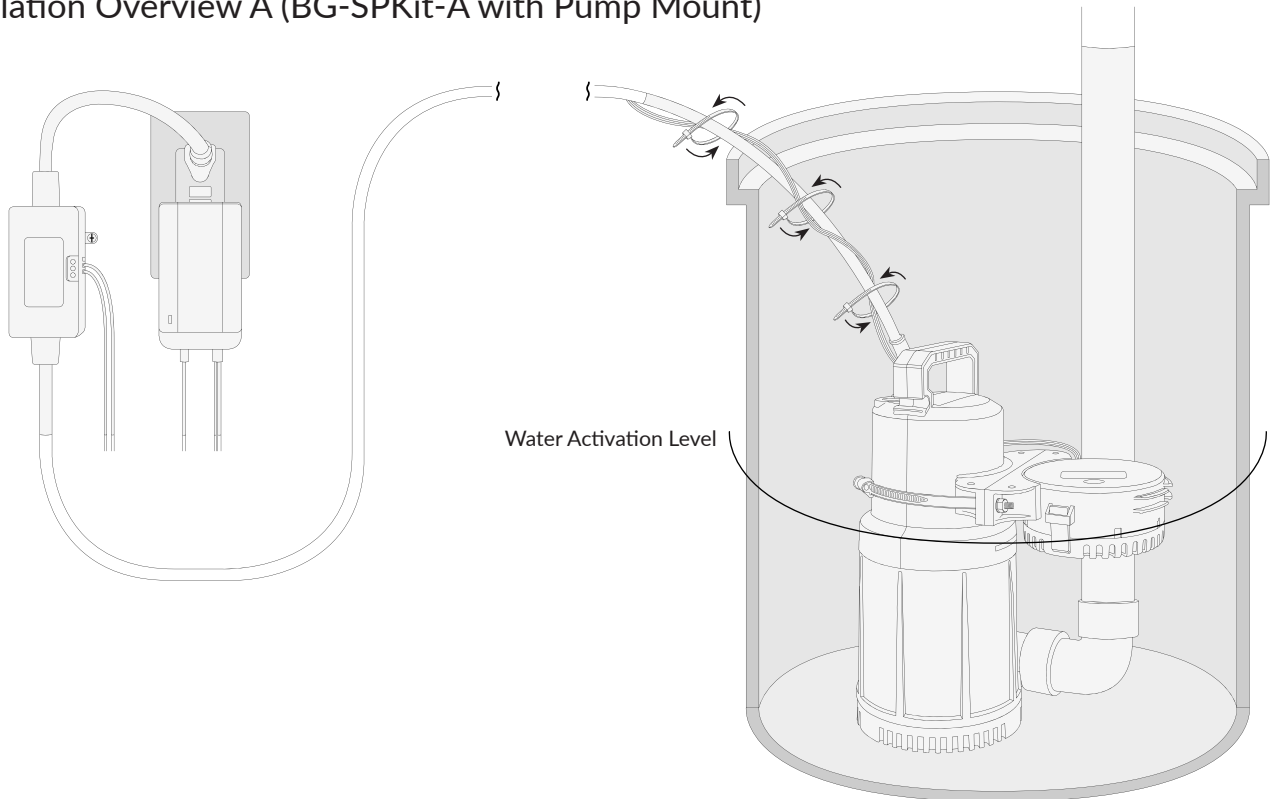
QUICK START GUIDE



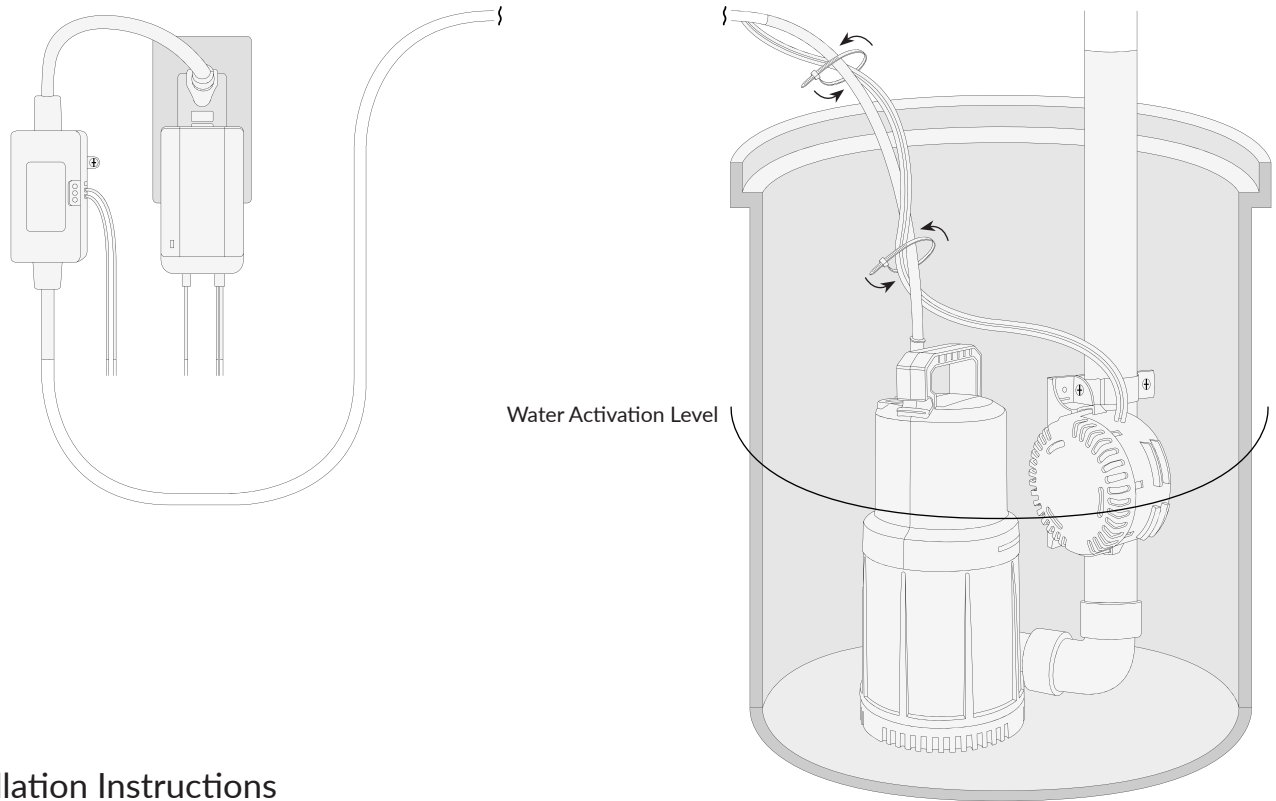
## Overview

The BG-SPkit (Solid-State Sump Pump Switch with AC Switch and AC Power Supply) is a highly reliable sump pump switch, with no moving parts, that is the ideal replacement for unreliable mechanical float switches. The BG-SPkit includes all the necessary equipment to integrate the BG-SP (Solid-State Sump Pump Switch) into the sump pump operator's current sump pump system. The BG-SP uses two integrated sensors to detect liquid in the sump while reliably activating the sump pump. Having no moving parts that can be jammed or damaged, the solid-state IP-68 rated BG-SP is built to outlast all mechanical or solid-state float switches on the market today.

## Installation Overview A (BG-SPKit-A with Pump Mount)



## Installation Overview B (BG-SPKit-B with Pipe Mount)

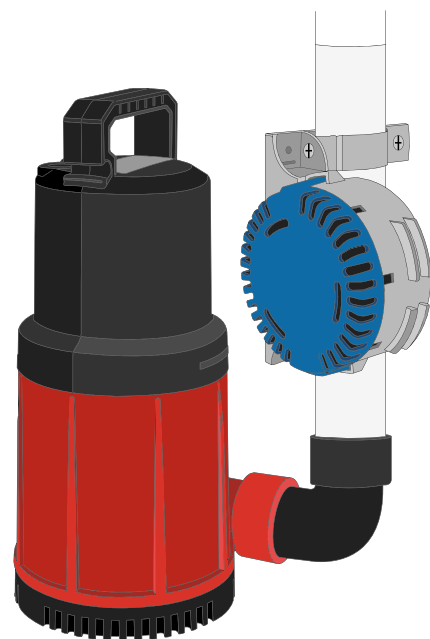
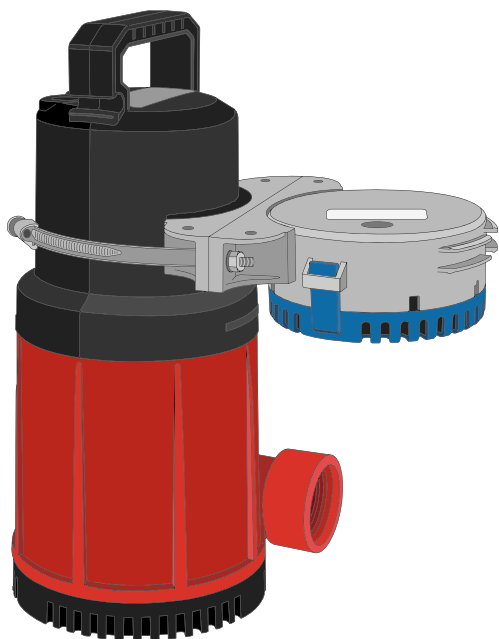


### Installation Instructions

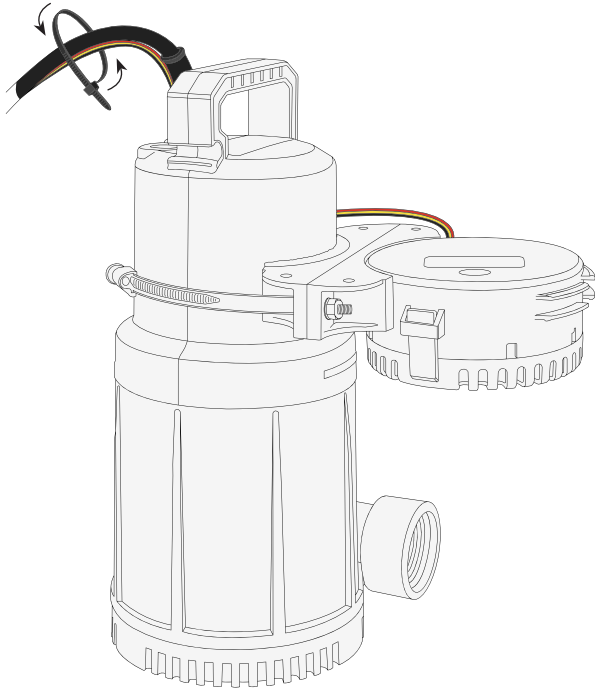
1) Drain the sump area (Recommended).

2a) Attach the sensor mounting bracket to the pump or next to the top of the pump. Then attach the BG-SP sensor to the bracket.

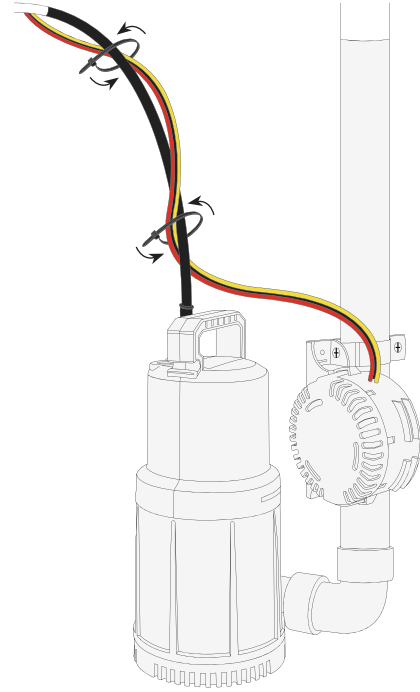
2b) Attach the pipe mounting bracket to the sump pipe. Then attach the BG-SP sensor to the bracket.



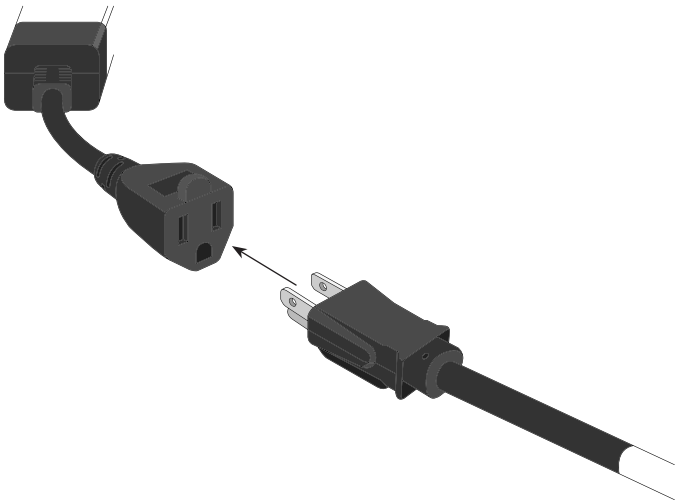
**3a)** Secure all three BG-SP sensor wires along the AC power cable sump pump cord using the straps provided.



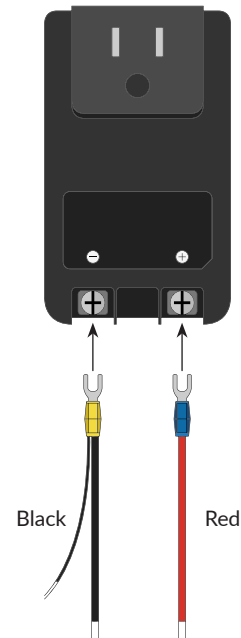
**3b)** Secure all three BG-SP sensor wires along the AC power cable sump pump cord using the straps provided.



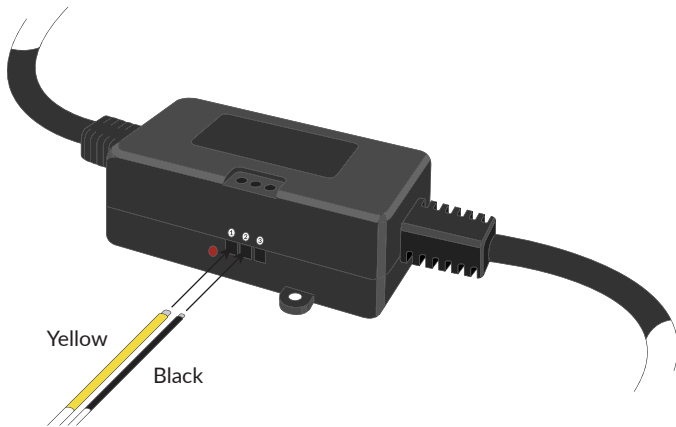
**4)** Plug the pump power plug into the AC PowerSwitch.



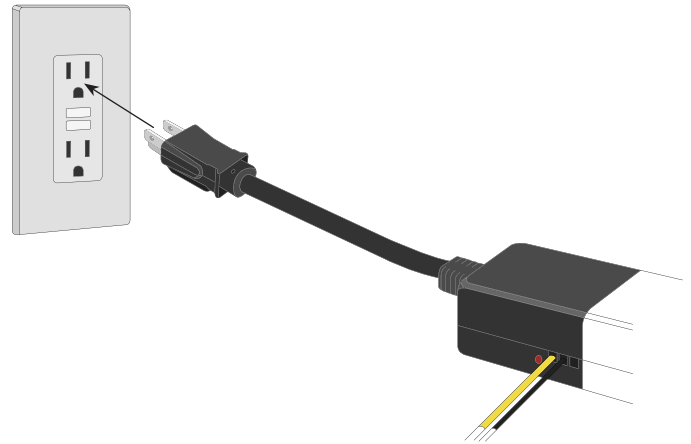
**5)** Connect the red wire to the right side positive (+) of the AC/DC Power Supply DC source. Then connect the two black wires to the left side negative (-) of the AC/DC Power Supply.



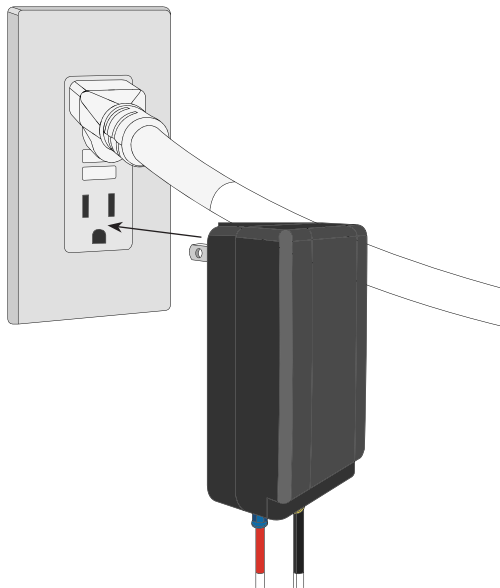
6) Connect the yellow wire to 1: +in of the AC Power-Switch. Then take the smaller black wire and connect to 2: -in of the AC PowerSwitch.



7) Secure the AC PowerSwitch so the connected wires are stable. Then plug in the AC PowerSwitch to the AC receptacle.



8) Plug in the AC/DC Power Supply into AC receptacle.



\*Use ground fault receptacles.

9) Test pump and BG-SP via the *BGI Config App* test function.



## Warranty Information

Blue Guard Innovations, LLC 4909 Nautilus Ct N, Suite 121 Boulder, Colorado 80301 warrants to the original consumer purchaser that this product will be free from defects in material and workmanship, providing that the unit is not opened or otherwise abused for a period of three (3) years from the date originally purchased unless otherwise noted or sold by the manufacturer. The exclusive remedy of the consumer purchaser in the event the product is defective is to return the product to Blue Guard Innovations, LLC at the above address, freight prepaid with original sales receipt. **IMPORTANT: FOR THIS WARRANTY TO BE EFFECTIVE, the product MUST BE SUPPLIED WITH PROOF OF ORIGINAL PURCHASE DATE OF THE PRODUCT. THE ACCEPTANCE BY BLUE GUARD INNOVATIONS, LLC OF ANY PRODUCT RETURNED SHALL NOT BE DEEMED AN ADMISSION THAT SUCH PRODUCT IS DEFECTIVE OR IN VIOLATION OF ANY WARRANTY. THE COMPANY RESERVES THE RIGHT TO REPAIR OR REPLACE THE PRODUCT. NO REPRESENTATIVE OR OTHER PERSON IS AUTHORIZED TO ASSUME FOR BLUE GUARD INNOVATIONS, LLC ANY ADDITIONAL LIABILITY IN CONNECTION WITH THE SALE OF ITS PRODUCTS OR TO ALTER THIS WARRANTY IN ANY WAY. IN NO EVENT WILL BLUE GUARD INNOVATIONS, LLC BE LIABLE FOR MORE THAN THE SALES PRICE OF THE PRODUCT. UNDER NO CIRCUMSTANCES WILL BLUE GUARD INNOVATIONS, LLC BE LIABLE FOR ANY LOST PROFITS, INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES. THE LIMITATION ON LIABILITY FOR LOST PROFITS, INCIDENTAL OR CONSEQUENTIAL COST EXPENSES OR DAMAGES SHALL SURVIVE ANY FAILURE OF ESSENTIAL PURPOSE OF THIS LIMITED WARRANTY. All wiring on the vessel shall be performed by a QUALIFIED MARINE ELECTRICIAN and in accordance with the "Fire Protection Standard for Motor Craft", NFPA No. 302. The Standards of the American Boat and Yacht Council, Inc., and the USCG Safety Standards for Boat Electrical Systems (33 CFR 183). Some states do not allow the exclusive or limitation of incidental or consequential damages, so the above limitation may not apply to you. NO EXPRESS OR LIMITED WARRANTY, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS SHALL EXTEND FOR ANY PERIOD OF TIME GREATER THAN THREE (3) YEARS FROM THE DATE OF ORIGINAL PURCHASE OF THIS PRODUCT. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. CAUTION - Warranty void if seal on product is broken or product is tampered with in any way, if any electric cord is cut back more than 4 inches, if electric splices become submerged, or if product is installed contrary to instructions or warnings. Blue Guard Innovations, LLC 4909 Nautilus Ct N, Suite 121 Boulder, Colorado 80301.**