

BG-SPKit-A BG-SPKit-B

Solid-State Sump Pump Switch

SPEC SHEET



OVERVIEW

About

The BG-SPKit-A (Pump Mount) / BG-SPKit-B (Pipe Mount) are a highly reliable solid-state sump pump switch and sensor, making it the ideal replacement for unreliable mechanical float switches. The BG-SPKit-A / BG-SPKit-B includes a BG-SP (Sump Pump Sensor), an AC PowerSwitch, a pump (BG-SPKit-A) or a pipe (BG-SPKit-B) mounting bracket, and an AC/DC Power Supply. The BG-SP uses two integrated sensors to detect liquid in the sump while reliably activating the sump pump through the AC PowerSwitch. Having no moving parts that can be jammed or damaged, the solid-state BG-SP is built to outlast all the mechanical float switches on the market today. The BG-SP is CE and ISO 8846 Marine Ignition Protection Certified, tested to ABYC-1500 standards. Patented technology.

Reliability

With IP-68 rated durability, the BG-SP is made with rugged, non-corrosive ABS plastic. The sensor comes with a heavy-duty mounting bracket to attach to the pump (BG-SPKit-A) or the pipe (BG-SPKit-B). Heavy-duty 14 gauge marine grade wires connect the BG-SP to the AC/DC Power Supply and the AC PowerSwitch. The BG-SP has two integrated sensors to ensure a reliable and accurate detection.

How It Works

The BG-SPKit-A / BG-SPKit-B will turn the sump pump ON when liquid is detected in the sump and turn OFF when no water or liquid is detected. The BG-SPKit-A / BG-SPKit-B extends the life of the sump pump due to its ability to significantly reduce current spikes during the activation of the pump. The BG-SPKit-A / BG-SPKit-B can be tested and its status can be viewed using the BGI Config App, which can be downloaded from the App Store or Google Play. The App is used on a mobile device with Bluetooth to wirelessly connect to the BG-SP device. The App will report the input voltage level and system temperature. It also allows changing the name of the device for easy identification and testing the device. Set the pump run time after water detection via the BGI Config App (15-60 seconds).

BG-SP FEATURES

Reliability

Two integrated solid-state sensors – solid-state with no moving parts or mechanical float switches that can easily be damaged or jammed

Integrated Bluetooth Connectivity

Connects to the BGI Config App available on iOS and Android devices

BG-SP (Fully Submersible)

Operating Voltage

12 or 24 Vdc, 12 mA

Operating Temperature Range

Operational with Full Functionality

32°F – 158°F / 0°C – 70°C

Operational

-22°F – 185°F / -30°C – 85°C

IP-68 Rated Durability, Fully Submersible

Rugged, non-corrosive ABS plastic housing and mounting bracket

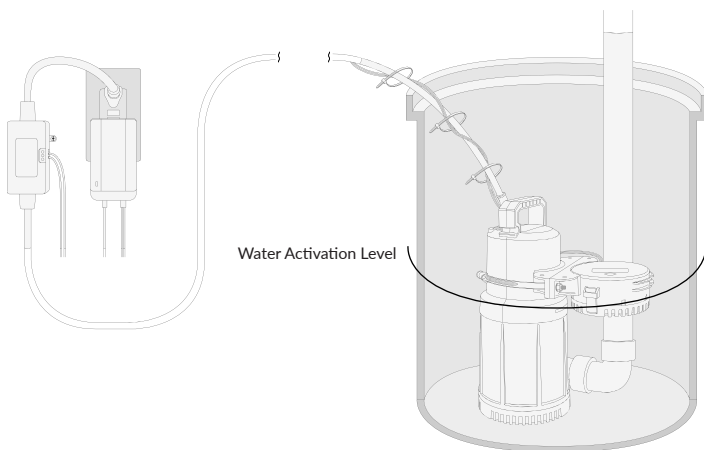
Compact Size

Without Mounting Bracket (D x H) – 4.6 in x 2.0 in

CE & ISO 8846 Marine Ignition Protection Certified

Tested to ABYC-1500 Standards

BG-SPKit-A (PUMP MOUNT)



OTHER FEATURES

AC PowerSwitch (Non-Submersible)

Rated to 15 A @ 120 Vac

AC/DC Power Supply (Non-Submersible)


Input 100-200 Vac, Output 12 Vdc at 0.5 A


BG-SP WIRES

Three Wire System

Heavy-duty 14 gauge marine grade wires, 6 ft long

 (Black) Supply Negative / GND

 (Yellow) High Water Alarm

 (Red) 12 or 24 Vdc Power

USER PROGRAMMABLE FUNCTION

Configurable through the BGI Config App

Programmable Pump Run Time

Set pump run time after water detection from 15-60 seconds

BG-SPKit-B (PIPE MOUNT)

