

# Model HC5000

## Electronic Sewage Pump Switch

Patents Pending



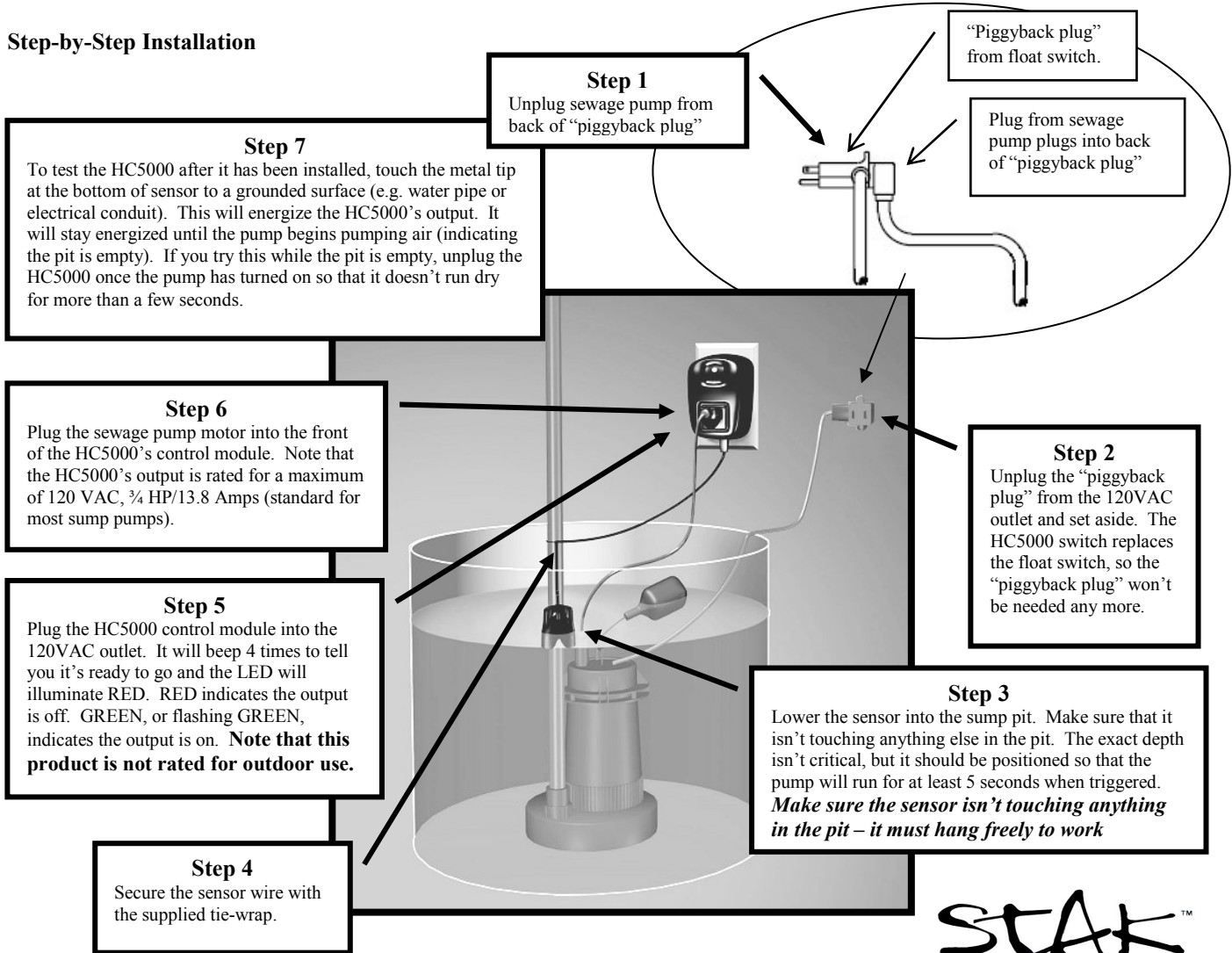
### Installation Instructions

#### Overview

The installation of the Sewage Pump Switch is simple and straightforward, but there are **THREE VERY IMPORTANT** things to remember for the Sewage Pump Switch to give you years of trouble free, worry free, service. *Important note: Your sump pump motor should draw between 2.5 and 10 Amps to work with the Sewage Pump Switch.*

1. The “**piggyback plug**” attached to the mechanical float switch **cannot be used with the Sewage Pump Switch**. It must be disconnected and remain disconnected. Just let it lay on the floor after the Sewage Pump Switch is installed.
2. If your sump pump has internal float switch wiring, i.e. doesn't have a “piggyback plug,” then you **MUST** secure the float up as if the pit was full so that its internal switch is always closed and the pump enabled.
3. **The sensor shouldn't touch anything else in the pit, like the wall, the discharge pipe, etc. If it does it might be confused and think it is time to turn the pump on.**

#### Step-by-Step Installation



Questions or Comments Contact Us At:

[www.hydrocheckproducts.com](http://www.hydrocheckproducts.com) or [info@hydrocheckproducts.com](mailto:info@hydrocheckproducts.com) or 877-225-2124

## HC5000 Sewage Pump Switch Troubleshooting Chart

The Model HC5000 Sewage Pump Switch has a number of built in alarms that warn of problems with the pump or discharge plumbing. The available alarms are described in the table below.

Alarm/Indicator	Description	Possible Causes
2 Beeps	Can't turn pump on	Pump not plugged in Float piggy-back plug not disconnected Float switch not secured in "on" position (internally wired float switch)
3 Beeps	High Level Alarm	Pump can't keep up with water coming in Discharge plumbing blocked Sensor touching something else in pit like wall or cord
Steady Slow Beep*	Motor current above normal	Restriction in discharge plumbing Pump motor beginning to fail
Steady Fast Beep*	Motor current too high	Severely restricted discharge plumbing Pump motor failure imminent
Steady Red LED	Pump off, no water detected	
Flashing Red LED	Pump off, no water detected, controller in short cycle mode	If, during a calibration cycle, the controller does not detect the drop in motor current indicating an empty pit, it defaults to a 6 second cycle time to protect the pump motor from being run dry
Steady Green LED	Pump on, water detected by sensor	
Slow Flashing Green LED	Pump on, water below sensor, timed cycle	
Fast Flashing Green LED	Pump on, water below sensor, looking for change in motor current indicating loss of suction	

\*The HC5000 needs to be reset after replacing the pump by performing the following steps:

1. Unplug the pump from the HC5000
2. Unplug the HC5000 from the 120 VAC outlet
3. Wait 5 seconds then plug the HC5000 back into the 120 VAC outlet
4. Wait for the HC5000 to finish its startup checks (about 5 seconds) then plug the pump back in.

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### Model HC5000 Sewage Pump Switch Limited Lifetime Warranty

STAK Enterprises Inc. warrants the **Model HC5000 Sewage Pump Switch** to be free from defects in materials and workmanship for its normal, useful life, from the date of purchase. STAK Enterprises Inc. makes no other express warranty for this device. No agent, representative, dealer, or employee of STAK Enterprises Inc. has the authority to increase or alter the obligations or limitations of the warranty. The company's obligation of this warranty shall be limited to the repair or replacement of any part of the HC5000 which is found to be defective in materials or workmanship under normal use and service during the duration of product use by original product owner commencing with the date of purchase. Owner must pay all shipping charges necessary to replace product covered by this warranty. This warranty shall not apply to acts of God, nor shall it apply to products which, in the sole judgment of STAK Enterprises, inc. have been subject to negligence, abuse, accident, tampering, alteration, misapplication, or improper installation. Units in need of repair should be returned, shipping prepaid, to

Customer Service Department  
STAK Enterprises, Inc.  
471-A Jennings Drive  
Lake in the Hills, IL 60156

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