

HC9000 DC Backup Controller

Overview:

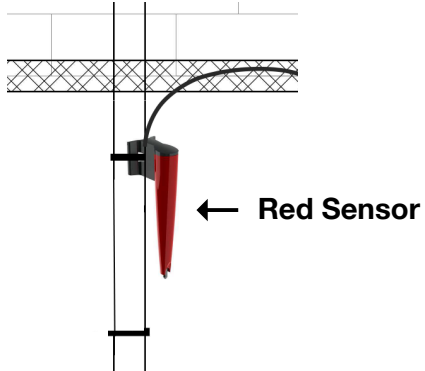
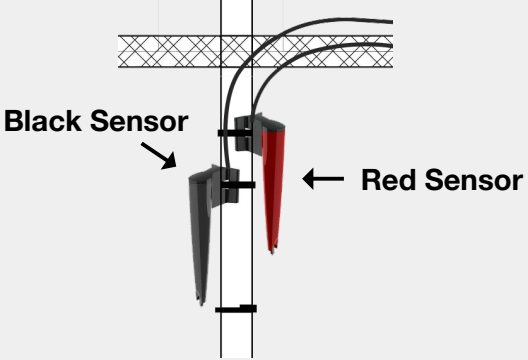
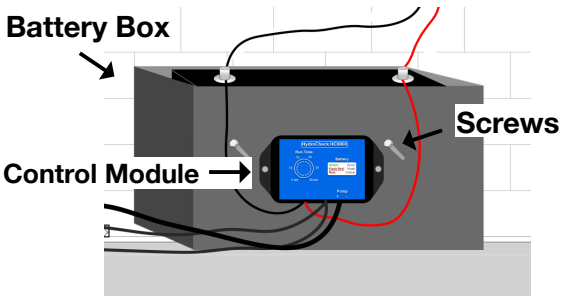
Designed with HydroCheck's patented pump-sense technology, the **HC9000 DC Backup Controller** was developed to work in conjunction with a user-customized backup pump setup. In the event of a main pump failure, the **HC9000 DC Backup Controller** will regulate the function of the backup pump providing reliable, worry-free service. This product is not rated for outdoor use.

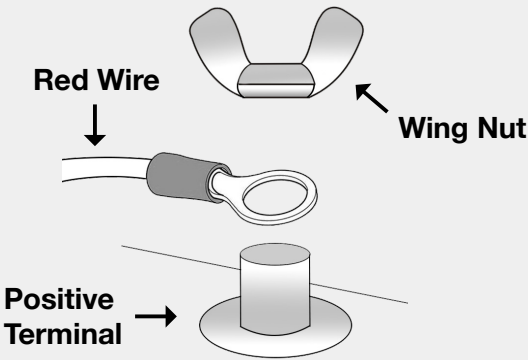
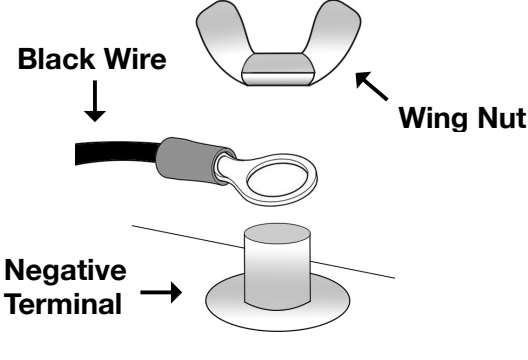
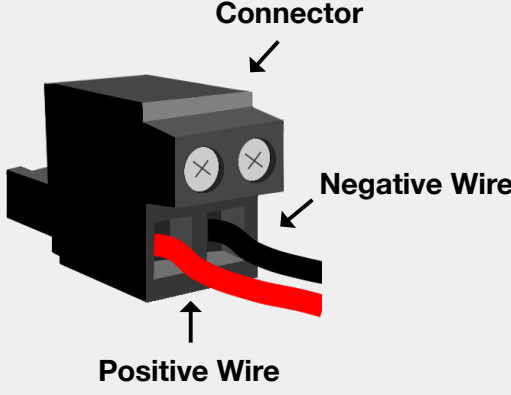
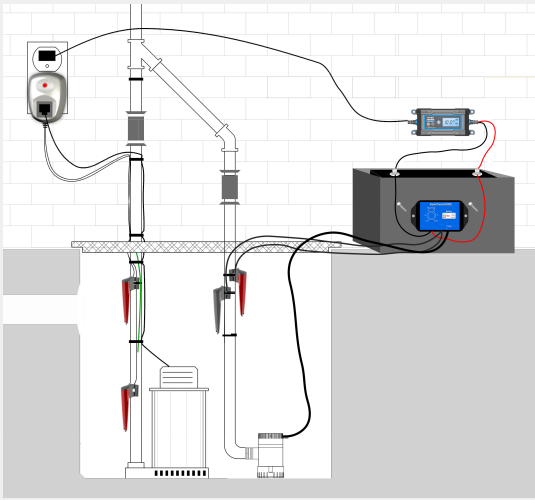
READ PRIOR TO INSTALLATION:

THIS PRODUCT DOES NOT INCLUDE THE FOLLOWING COMPONENTS NECESSARY FOR A BACKUP SYSTEM SET UP:

- Pump (**Max. 12 Amps at 12 VDC**)
- Battery
- Battery charger
- Battery box
- Check valve

Step-by-Step Installation

Step 1	<p>Using the tie wrap provided, secure the RED SENSOR to the backup pump's discharge pipe where the pump is intended to turn on.</p> <p>NOTE: Sensor placement should be above where the primary pump turns on.</p>	 <p>A cross-sectional diagram of a pipe with a red sensor attached to its exterior. An arrow points to the sensor with the label 'Red Sensor'.</p>
Step 2	<p>Using the tie wrap provided, secure the BLACK SENSOR to the backup pump's discharge pipe so that it is positioned slightly below the RED SENSOR.</p> <p>NOTE: The Black Sensor functions as a ground reference.</p>	 <p>A cross-sectional diagram of a pipe showing two sensors. A black sensor is attached lower on the pipe, and a red sensor is attached higher. Arrows point to each with labels 'Black Sensor' and 'Red Sensor'.</p>
Step 3	<p>Attach the HC9000 module to the battery box using provided self-tapping screws.</p> <p>NOTE: This step is recommended, but not required. DO NOT SCREW DIRECTLY INTO BATTERY.</p>	 <p>A photograph of a grey battery box with the HC9000 control module mounted to its top. Wires connect the module to the battery terminals. Labels with arrows identify the 'Battery Box', 'Control Module', and 'Screws'.</p>

Step 4	<p>Secure the eyelet on the HC9000's RED WIRE to the battery's POSITIVE TERMINAL using the wing nut.</p>	 <p>Red Wire</p> <p>Wing Nut</p> <p>Positive Terminal</p>
Step 5	<p>Secure the eyelet on the HC9000's BLACK WIRE to the battery's NEGATIVE TERMINAL using the wing nut.</p>	 <p>Black Wire</p> <p>Wing Nut</p> <p>Negative Terminal</p>
Step 6	<p>Insert the pump's NEGATIVE wire into the RIGHT side of the black CONNECTOR and tighten with screw.</p> <p>Insert the pump's POSITIVE wire into the LEFT side of the black CONNECTOR and tighten with screw.</p> <p>Plug the connector into the HC9000's control module.</p> <p>NOTE: If the wires are installed backwards, the pump will run in reverse.</p>	 <p>Connector</p> <p>Negative Wire</p> <p>Positive Wire</p>
Step 7	<p>Adjust the knob on the front of the HC9000 control module to the desired run time.</p>	
Step 8	<p>TEST YOUR INSTALLATION BEFORE LEAVING FOR UNATTENDED USE.</p> <p>NOTE: Call 877-225-2124 with questions.</p>	

TROUBLESHOOTING:

LED Guide

	Meaning
Green LED (Battery)	Battery condition is good (above 11.4 volts).
Flashing Red LED (Battery)	Battery condition is weak (less than 11.4 volts).
Red LED (Battery)	Battery condition is critical (less than 9 volts).
Green LED (Pump)	Output is on (pump is on).
LED is Off (Pump)	Output is off (pump is off).

Warranty:

STAK Enterprises Inc. warrants the **Model HC9000 DC Backup Controller** to be free from defects in materials and workmanship for its normal, useful life, for a period of 5 years 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 HC9000 which is found to be defective in materials or workmanship under normal use and service during the 5 year period 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.
2413 West Algonquin Road #309
Algonquin, IL 60102

THE DURATION OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THAT OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSES, SHALL BE LIMITED TO THE NORMAL, USEFUL LIFE OF THE PRODUCT, COMMENCING WITH THE DATE OF PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER.