

The Basement Watchdog Emergency Battery Backup Sump Pump System



DANGER

Read safety warnings & instructions before attempting any repairs or maintenance.

Potential Cause	BATTERY PROBLEM	Solutions
Terminals are corroded	Clean terminals & cables	
Cables are loose	Tighten bolts	
Battery is discharged below 25%	Replace battery if power is out. There is only 1/2 hour of continuous pumping power left. Battery will recharge when power is restored.	
Battery is old or damaged	Replace battery	
Potential Cause	POWER FAILURE	Solutions
Power outage	None. The backup pump will run off the battery. Slide the Audible Alarm switch to the off position. When power has returned, slide switch to on.	
An outlet, fuse or circuit breaker has failed	Try another outlet, replace the fuse, or reset the circuit breaker.	
The power cord is unplugged	Make sure the power cord is plugged in securely on both ends.	
The charger is receiving less than 110 volts from the outlet	None, if the utility company has instigated brownouts. Otherwise, reduce the number of other appliances on the circuit.	
Potential Cause	PUMP FAILURE	Solutions
Backup pump is unplugged	Make sure the pump is securely plugged into the back of the control unit	
Backup pump is clogged	Remove strainer from pump and clean out any debris	
Backup pump is broken	Replace the pump	
Potential Cause	PUMP WAS ACTIVATED	Solutions
The main AC pump failed because of a power outage	None. The backup pump was activated when needed.	
The float switch on the main pump is stuck or defective	Free the float switch on the main pump or replace it	
The main AC pump is broken	Replace the main AC pump	
The main AC pump could not keep up with the inflow of water	None. The backup pump was activated as needed. If this is a recurring problem, install a higher-capacity main pump.	
The check valve(s) is/are stuck or installed improperly	Replace the check valve(s) or correct the installation	
Discharge pipe is clogged or frozen	Clean out the blockage, thaw or replace the discharge pipe	
There is a slight chance of false activation if the float switch cord is wrapped around the AC power cord	Move the float switch cord away from the AC power cord	
Potential Cause	WATER WILL NOT LEAVE THE PIT	Solutions
No check valve	If connecting backup to the primary discharge pipe, make sure there is a check valve on both the main and backup pipes below the tie-in point	
Check valve is broken or installed improperly	Make sure check valve(s) is/are functioning and installed properly	
Discharge pipe is clogged or frozen	Clean out the blockage, thaw or replace the discharge pipe	
The float switch is not connected to the controller	Check connection of the float switch to the controller	
There is an air lock in the system	Make sure the 3/16" weep hole is drilled in the discharge pipe below the check valve, but above the water line. Make sure it is clear of debris.	
Potential Cause	SYSTEM DOES NOT OPERATE AFTER INSTALLATION	Solution
The battery cables are connected backwards	Reverse the battery connections	