



Switches, Sensors and Controllers



DFC1 – Standard Controller and Dual Float Switch

- Two micro reed activated floats for added reliability
- Protective cage prevents debris from interfering with floats
- Easy installation, activation level is adjustable



DFC2 – Deluxe Controller and Dual Float Switch

- Two micro reed activated floats for added reliability
- Protective cage prevents debris from interfering with floats
- Monitors pump and power conditions and sounds an alarm when problems are detected
- Pump run time is adjustable (**New Feature**)
- Includes export terminals for connecting to a remote dialer or home security system
- Activates pump weekly to exercise and extend pump life (**New Feature**)



USC3 – Ultimate Controller and Ultimate Sensor

- Utilizes reliable, proven "Triac" electronic technology; the same technology used in microwaves and other appliances for years
- 100% solid state circuitry has no moving parts to wear out or break
- Monitors pump and power conditions and sounds an alarm when problems are detected
- Pump run time is adjustable
- Includes export terminals for connecting to a remote dialer or home security system
- Activates pump weekly to exercise and extend pump life

Patented

Switches, Sensors and Controllers

Dual Float Switch

- Two micro reed activated floats for added reliability
- Protective cage prevents debris from interfering with floats
- Easy installation, activation level is adjustable
- Float switch can be unplugged from controller for easy installation (DFC2)
- Solid top keeps out sand and dirt
- Vented, curved bottom prevents debris build-up under the float
- Mounts to discharge pipe with included hardware
- Included with DFC1 and DFC2



How it works:

The PHCC Dual Float Switch has, not one, but two floats mounted within a protective cage. Should one float fail to operate, the second float automatically activates the pump. The protective cage prevents debris or wires from interfering with the movement of the floats.

All models include

- Switch or Sensor
- Manual
- Stainless steel hose clamp

Ultimate Sensor

- No moving parts which ensures reliability
- Imbedded computer monitors any material buildup on sensor rod and keeps on working
- Designed for use in sump and sewage applications
- Reliable, proven and patented technology used in many industries
- Senses water level regardless of how fast or slow the sump pit fills
- Sensor sends "Heartbeat" signal to controller, if the sensor is unplugged or not operating an alarm will activate
- Sensor can be unplugged from controller for easy installation, activation level is adjustable
- 3.5" 316 grade stainless steel sensor rod will not corrode
- Mounts to discharge pipe with included hardware
- Included with USC3



How it works:

Embedded computer in the sensor ball sends signal down the 3.5 inch long stainless steel sensor rod. When the water level touches the rod, the signal gets absorbed, modifying the signal. When the controller receives the modified signal from the sensor, it powers the digital Triac circuit, activating the pump.

Controller Comparison

	DFC1	DFC2	USC3
Includes Dual Float Switch	X	X	
Includes Ultimate Sensor			X
Sounds an alarm and alerts when:			
AC power has failed		X	X
Pump or float problem is detected		X	X
9v battery is low or slide switch is off		X	X
Sensor is unplugged from the controller or not operating			X
Includes export terminals for connecting to a remote dialer or home security system		X	X
Float switch/sensor can be unplugged from controller for easy installation		X	X
System is operating light (flashes)		X	X
Adjustable run time from 5-45 seconds after the water level falls		X	X
Activates pump weekly to exercise and extend pump life		X	X
Reliable, proven and patented Triac technology used in many industries			X
Universal controller mounting tabs		X	X
4' power cord		X	X
10' float switch/sensor cord	X	X	X
Piggy-back plug	X	X	X

Available from: