



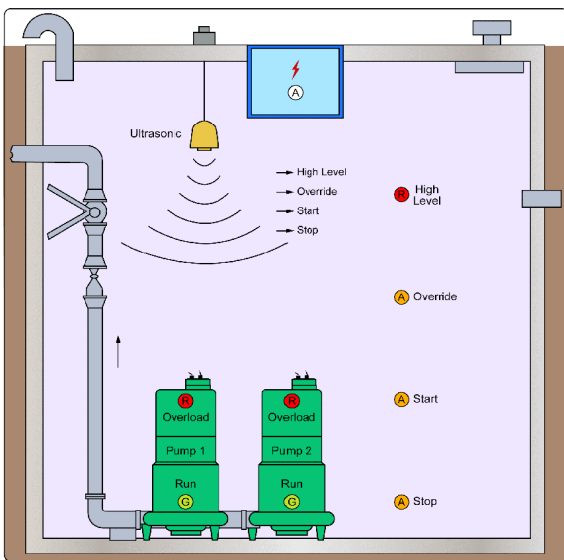
# ULTRASONIC PUMP CONTROLLER **PC4600**

*A New Century Design for Worry-Free Operations.*

• Simplex • Duplex • Triplex •

**FEATURES:**

- Micro processor controller
- Programmable difference operation and alarm level
- Back up floats in case of ultrasonic sensor failure
- LCD screen display
- Calculated total volume of GPM
- Indicated pump run hour
- Monitors pump/motors for open circuit and wiring burn-out (true fail)
- Front graphic system display
- Motor contactor and circuit protector
- Emergency internal override circuit
- Serve warning (per 1000 - 5000 operations)
- System can be monitored by PC via external telephone lines (optional)
- UL approved



**Northwest Tech-Con Systems** PC4600 ultrasonic operated pump controller is built to transfer a certain amount of fluid from a sump to another area. Its' operation is governed by the fluid depth sensed by an ultrasonic transmitter. Users can change settings on the control panel at the data terminal. A graphic display indicates the alarm status for the stop level, lead/lag pump start, high fluid level, ultrasonic failure, pump overloads, and float switch malfunctions. Additional status conditions can be monitored on the terminal screen by pressing the appropriate keys. During normal operation, the two back-up float self-diagnostic process will keep track of float malfunction. Every float operating cycle is calculated, and mean values are logged into the program memory for emergency use. The loss of echo by the ultrasonic sensor will not interrupt an operation; the system will change to a float operation mode and will continue to work even if the stop float fails. At this critical moment, the mean value of previous pump cycles stored in memory will be used as a reference to start and stop the pump(s).

<b>Ordering Information</b>		
U-SCP	— 280 —	A B E
U-DCP		
U-TCP		
	Voltage	Options
	Simplex / Duplex / Triplex	by Letter