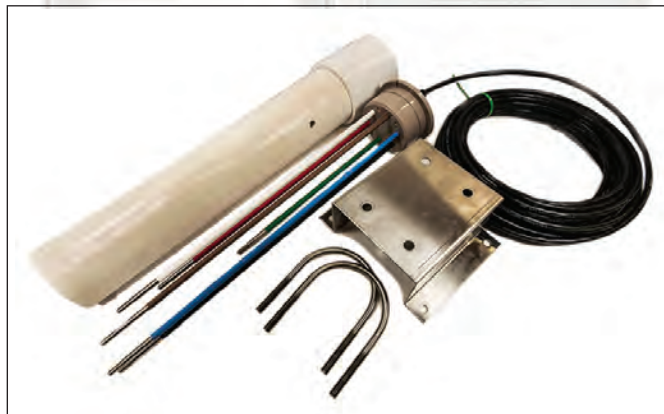




**NEVER REPLACE AN  
ELECTRONIC LEVEL CONTROLLER  
OR FLOAT AGAIN!**



STANDARD KIT

# Commercial Swimming Pools & Fountains

## GENERAL INFORMATION:

The WLC Series may look like the competition but the unit is revolutionary in its design. The WLC Series is perfect in any application where water level management is important such as cooling tower basins and water holding tanks for cooling towers. It uses a microprocessor that monitors all probes for correct operation and then provides the corresponding outputs to drive power relays, the Building Automation System and a visual indication of the operational status. The Modular construction and a self-test feature insure user-friendly operation.

So when we say "Never Replace A Water Level Controller Again" we mean it.

## STAND ALONE SYSTEM WITH CONNECTIONS TO BUILDING MANAGEMENT SYSTEM.

## APPLICATIONS

- Commercial Swimming Pools & Fountains
- Designed for both initial installation and replacement of any brand.
- Software customized for special situations.

## COMMUNICATION WITH BUILDING MANAGEMENT

Building Automation dry contacts to tell building operator when:

- Power loss to controls
- Low water
- High water
- Fill cycle ON and OFF
- Lightning strikes

- Accurately manages levels to within 1/8" of operating range.
- 30VDC, 24VAC or 110/220VAC - 50/60 Hz: specify voltage required when ordering.
- Separate power relay for each function.

## FEATURES

- Easy to install.
- Microprocessor controlled.
- Compensates for wave action.
- Easy-to-understand LED display.
- No moving parts or mechanical floats to break or rust.
- Modular Construction
- One-Step Internal Testing system for the electronics.
- Built for easy troubleshooting
- Lifetime Limited Warranty\*

\* See Warranty for details

## PRODUCT SPECIFICATIONS

- Accurately manages levels to within 1/8" of operating range.
- 30VDC, 24VAC or 110/220VAC - 50/60 Hz: specify voltage required when ordering.
- Separate power relay for each function.

Dry contacts for are rated for .5 amps at 60 volts.  
Sensor wire should not be spliced. Standard Kit has 50 ft. length.  
Sensor wire available in: 50 ft., 100 ft., 150 ft., 200 ft., 250 ft., 300 ft. or longer lengths if needed.

## SENSOR PROBES

We make custom probes to fit any application. All sensor rod tips are threaded so Extension Kits can be added if needed.

### Installations:

- A licensed electrician can install the control box and sensors in less than one hour.
- 110VAC Solenoid required. (We recommend any type of slow closing valve)
- Sensors attach to environment wall or Sensor mounts in an external static pipe or Sensor slips into a 3" female fitting.
- The sensor cable should be installed in a grounded metal conduit in order to prevent spurious signals from interfering with the sensor operation.

## MODELS

**PRODUCT FUNCTION TRUTH TABLE** The Blank spaces below mean "No Connection or Function"

MODEL	BMS DRY CONTACTS							POWER RELAY				SELF TEST	HEATER CONTROL
	FAULT	POWER LOSS	HEATER CUT OFF	LOW ALARM	HIGH ALARM	FILL	BAS WIRES	HEATER CUT OFF	LOW ALARM	HIGH ALARM	FILL		
SWS3000	X	X				X	4				X	X	
SWS4000	X	X			X	X	6			X	X	X	
SWS4500	X	X		X		X	6		X		X	X	
SWS5000	X	X		X	X	X	8		X	X	X	X	
SWS6000	X	X	X	X	X	X	10	X	X	X	X	X	

\*All controls have built-in self testing systems.

Fill Height Only

Fill Height with High Level Alarm

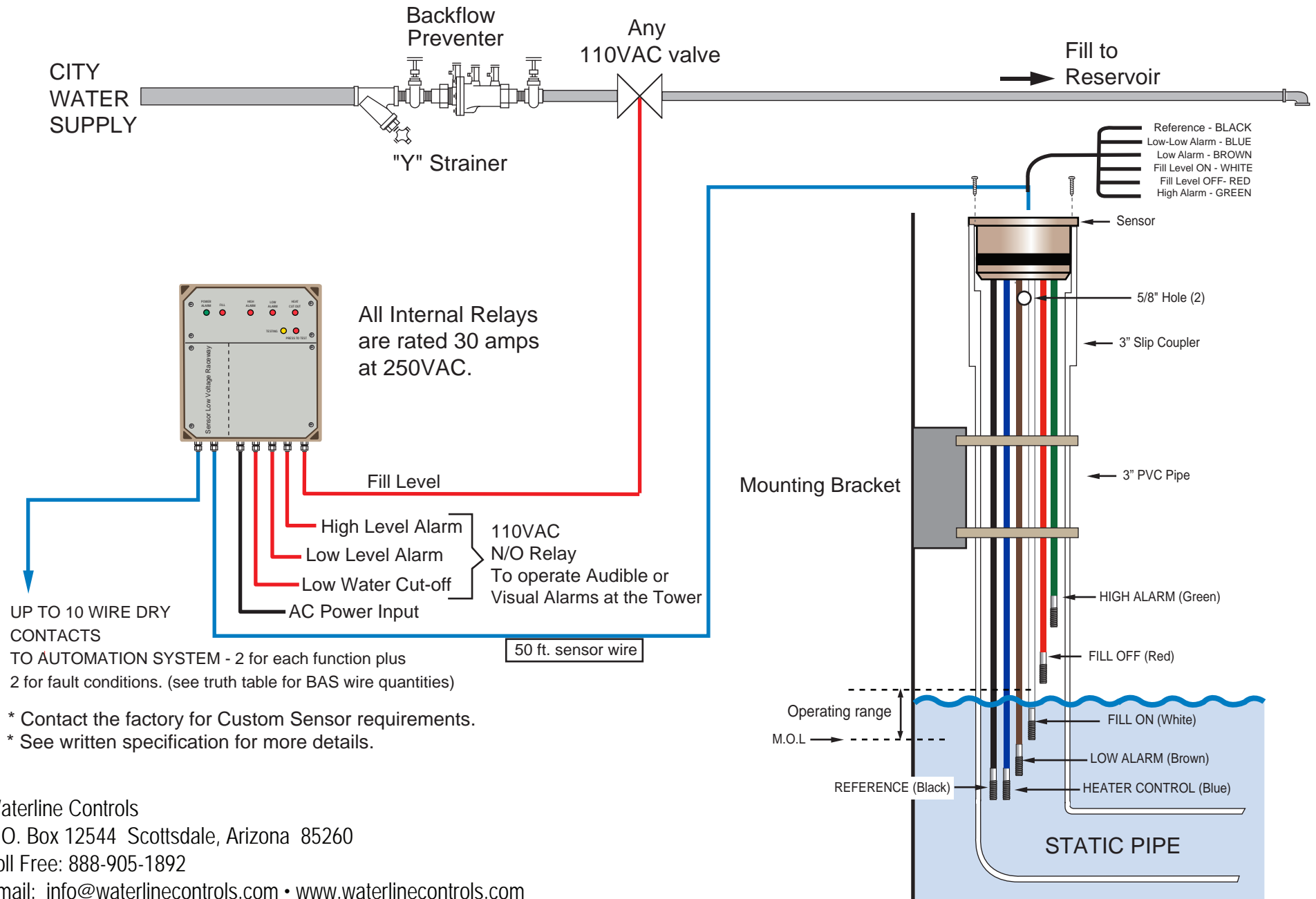
Fill Height with Low Level Alarm

Fill Height with High and Low Level Alarm

Fill Height with High and Low Level Alarm and Low Level Cut-off

## UNIVERSAL DIAGRAM FOR ALL MODELS

## FILL WITH HIGH LEVEL ALARM, LOW LEVEL ALARM, LOW-LOW LEVEL HEAT CUT-OFF & HEATER CONTROL



## Waterline Controls

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# INSTALLATION METHODS

## NEW CONSTRUCTION POOL WATER LEVELER SCHEMATIC

When using the static pipe method glue all fittings.

