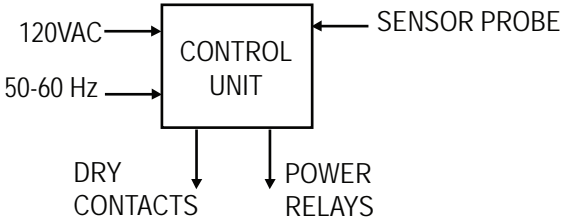




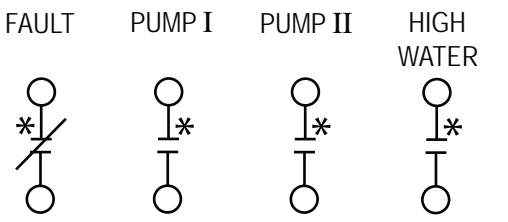
SUBMITTAL WLC-9100

FUNCTIONAL WIRING DIAGRAM

Lead-Lag Duplex Pump Down with High Alarm (Total Dry Contacts)

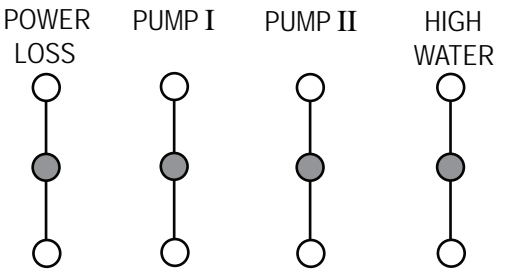


DRY CONTACTS



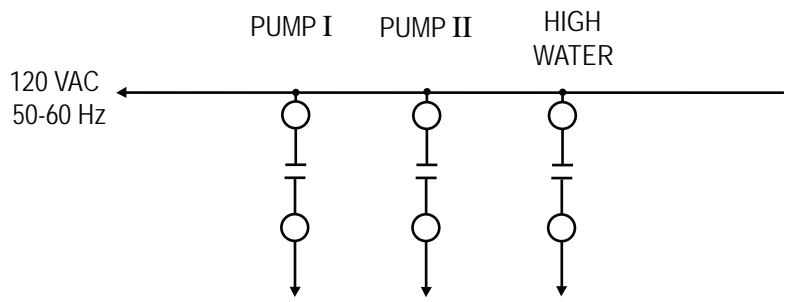
POWER LOSS

LED INDICATORS (INTERNAL TO THE CONTROL UNIT)



* 60V MAX; 0.50AMP MAX.
All others are 120 VAC 30AMPS Max.

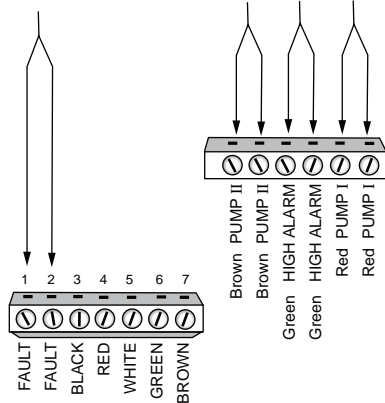
POWER RELAYS



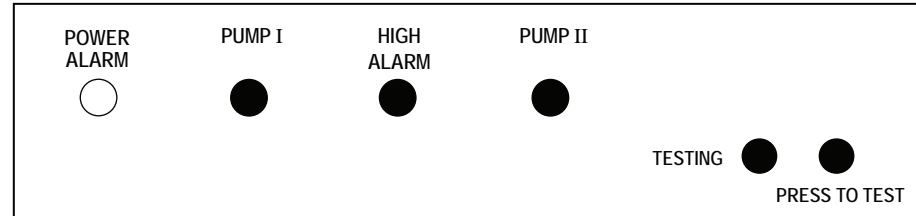
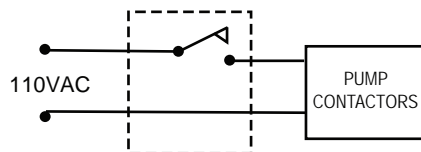
TO LOADS
120 VAC, 30 AMP, MAX.
PUMP CONTACTORS,
AUDIBLE OR VISUAL ALARMS

Lead-Lag Duplex Pump Down with High Alarm

0.5 AMPS @ 60 VAC
BUILDING AUTOMATION
LOW VOLTAGE DRY CONTACTS



SENSOR
PROBE WIRES



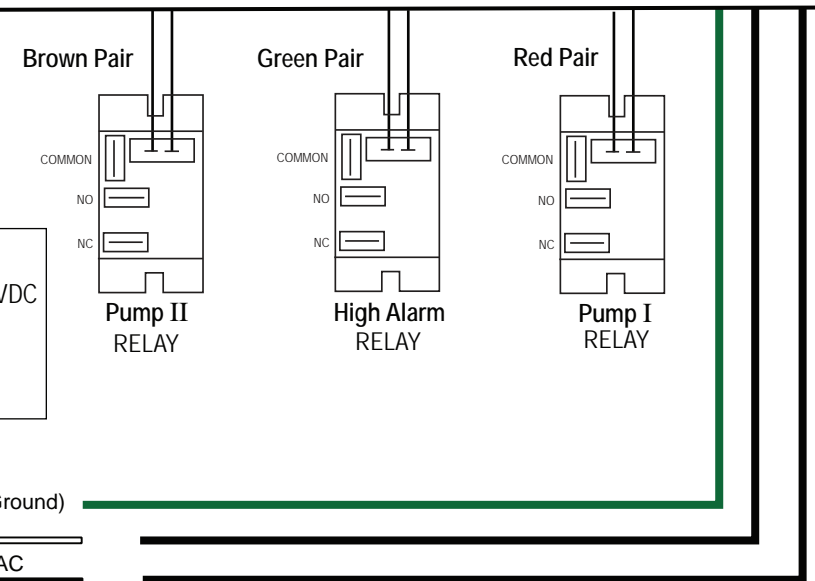
CONTROL UNIT RATINGS

VOLTS: 110 VAC
AMPS: 0.5 AMPS
WATTS: 30W 50/60 HZ

ALL RELAYS ARE TYPICAL

RELAY SPECIFICATIONS

Rated Load 30 A 250 VAC, 20 A 26 VDC
Carry Current 30 A Max.
Max. switching capacity 7,500 VA. 560 W
All Relay terminals are 1/4" male spade



220 VAC AVAILABLE UPON REQUEST

PRODUCT FUNCTION TRUTH TABLE

MODEL	BMS DRY CONTACTS						POWER RELAY			SELF TEST	LEAD LAG
	FAULT	POWER LOSS	PUMP II	HIGH ALARM	PUMP I	BAS WIRES	PUMP II	HIGH ALARM	PUMP I		
WLC9100	X	X	X	X	X	8	X	X	X	X	X

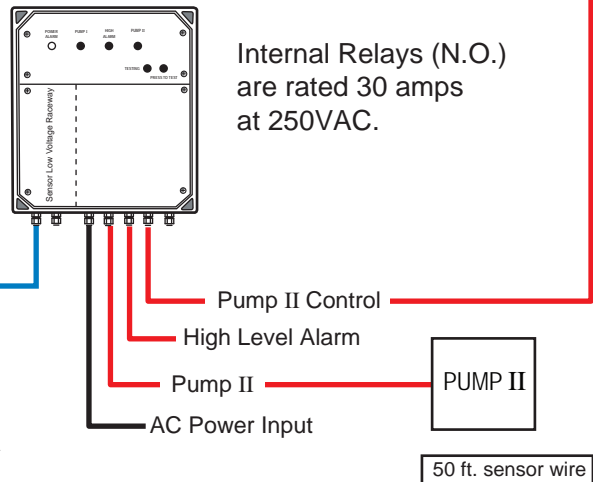
Waterline Controls®
P.O. Box 12544 Scottsdale, Arizona 85260
Toll Free: 888-905-1892
Email: info@waterlinecontrols.com
www.waterlinecontrols.com

PUMP I
Relay in the Waterline Unit can be used as Pilot relays to a 110 VAC coil for contactors properly rated for pump operation.

To Waste or Reclaimed Tank

← Pump to waste or reclaimed water

Lead-Lag Duplex Pump Down with High Alarm

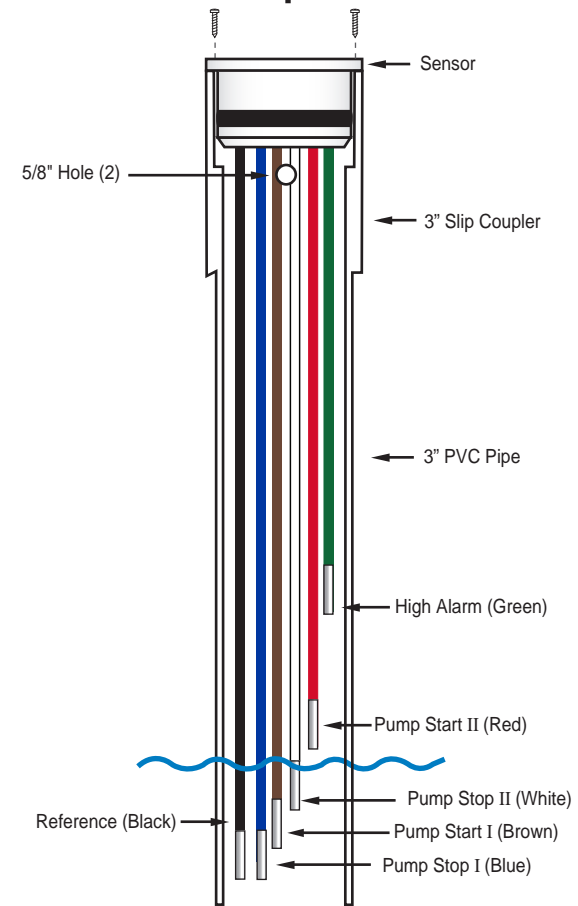


UP TO 8 WIRE DRY CONTACTS

TO AUTOMATION SYSTEM - 2 for each function plus 2 for fault conditions. (see truth table for BAS wire quantities)

- * Contact the factory for Custom Sensor requirements.
- * See written specification for more details.

Reference - BLACK
BLUE
BROWN
WHITE
RED
GREEN



1. The 3" PVC Pipe needs to be at least 2" longer than the longest Sensor tip.
2. Adjustment occurs by moving the 3" PVC Pipe up or down and tightening the clamp so it rests on the Custom Fitting.