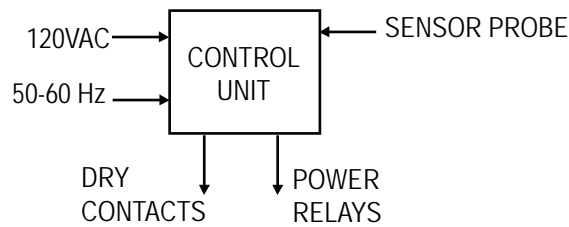




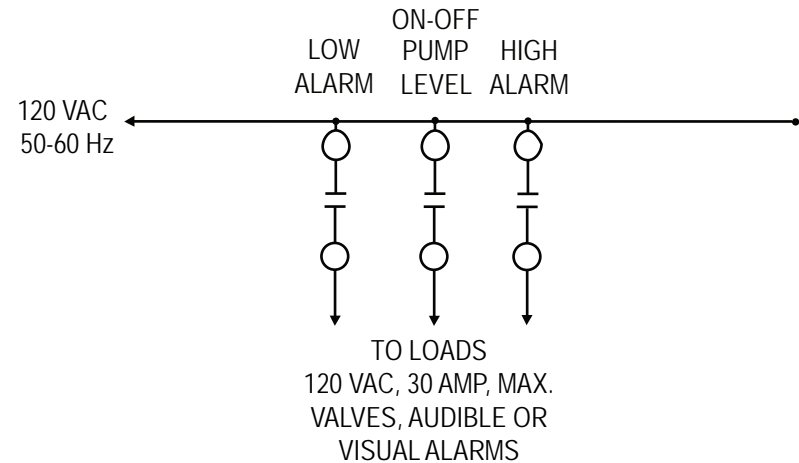
SUBMITTAL WLC6880

FUNCTIONAL WIRING DIAGRAM OUTPUTS

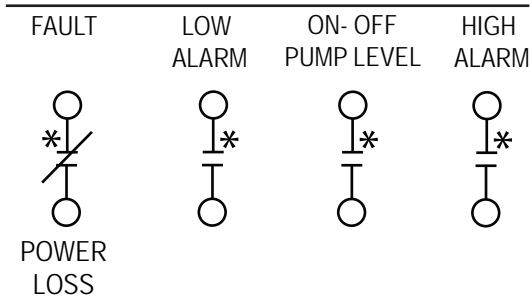
DUPLEX PUMP ALTERNATING FILL SYSTEM WITH HIGH & LOW ALARM (Total Dry Contacts)



POWER RELAYS



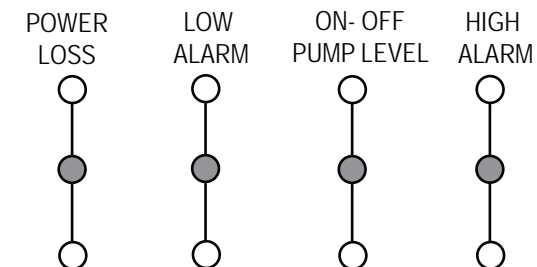
DRY CONTACTS



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

LED INDICATORS

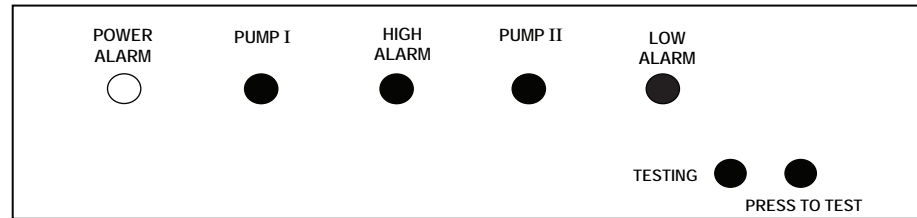
(INTERNAL TO THE CONTROL UNIT)



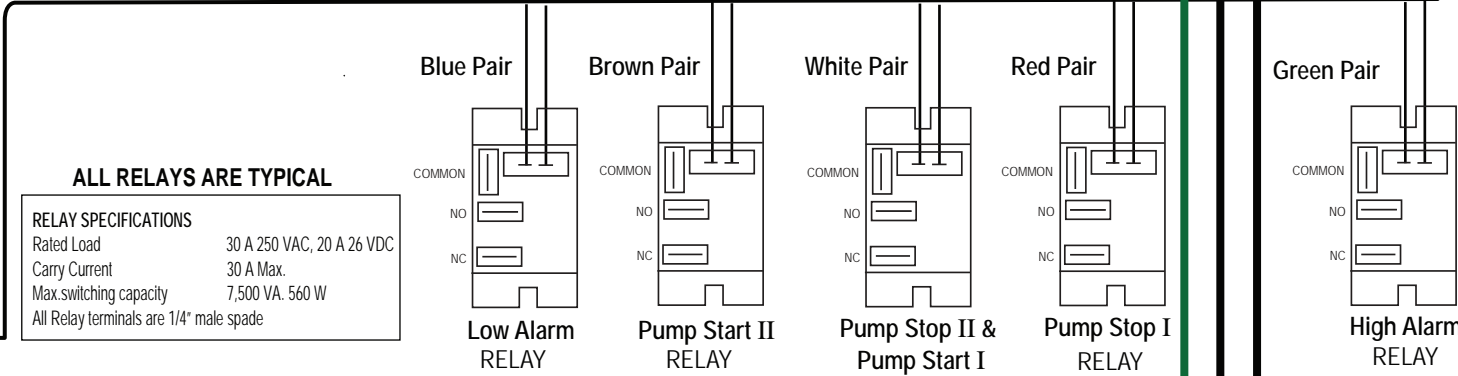
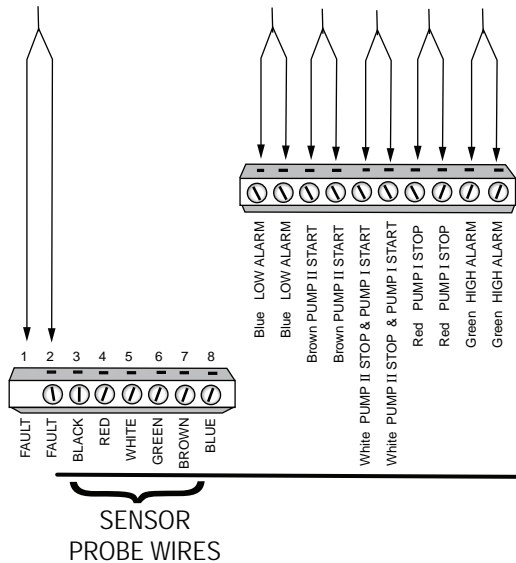
Waterline Controls
 P.O. Box 12544 Scottsdale, Arizona 85260
 Toll Free: 888-905-1892
 Email: info@waterlinecontrols.com
www.waterlinecontrols.com

DUPLEX PUMP ALTERNATING FILL SYSTEM WITH HIGH & LOW ALARM (Total Dry Contacts)

0.5 AMPS @ 60 VAC
BUILDING AUTOMATION
LOW VOLTAGE DRY CONTACTS

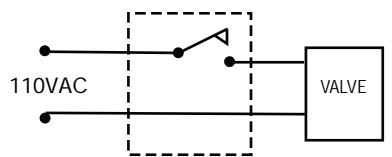


CONTROL UNIT RATINGS
VOLTS: 110 VAC
AMPS: 0.5 AMPS
W TTS: 30W 50/60 HZ

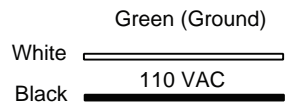


ALL RELAYS ARE TYPICAL

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



LOAD WIRING



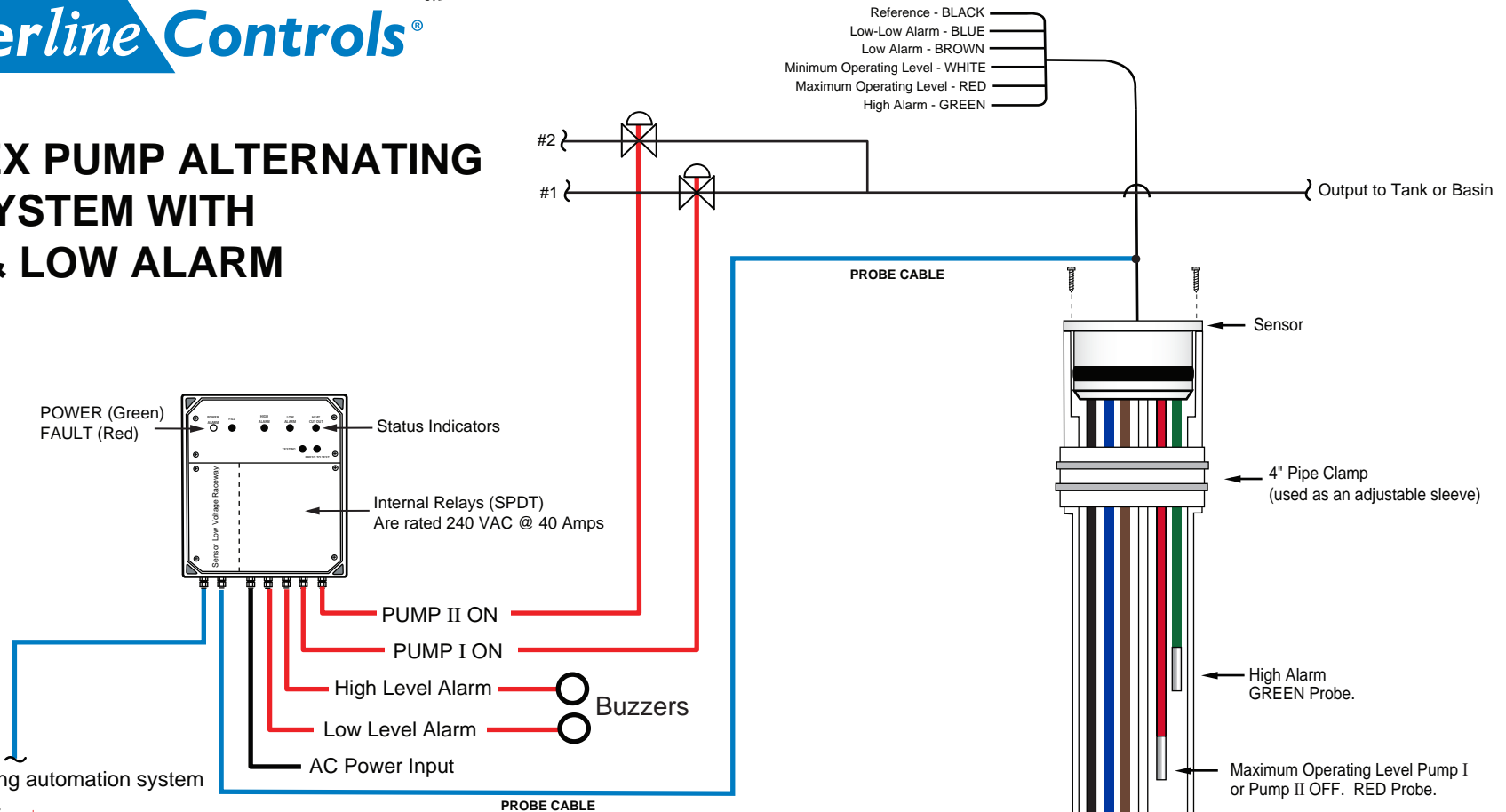
220 VAC AVAILABLE UPON REQUEST

PRODUCT FUNCTION TRUTH TABLE

MODEL	BMS DRY CONTACTS							POWER RELAY				SELF TEST
	FAULT	POWER LOSS	PUMP I	HIGH ALARM	PUMP II	LOW ALARM	BAS WIRES	PUMP I	HIGH ALARM	PUMP II	LOW ALARM	
WLC 6880	X	X	X	X	X	X	10	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

DUPLEX PUMP ALTERNATING FILL SYSTEM WITH HIGH & LOW ALARM



Output to the building automation system

Two wires each for:

The Pump I ON, Pump II ON, High Level Alarm, Low Level Alarm and Fault Condition.

SEQUENCE OF OPERATION

- When the water level is below the Blue probe, the Low Alarm is activated and both Pump I and Pump II are activated.
- When the water level rises above the Brown probe, the Low Alarm is de-activated. Pump I and Pump II remain activated.
- When the water level rises above the White probe, there is no change.
- When the water level rises above the Red probe, Pump I and Pump II are de-activated.
- When the water level rises above the Green probe, the High Alarm is activated and both Pumps I and II are de-activated.
- When the water level falls below the Red probe, the High Alarm is de-activated and both Pumps remain de-activated.
- When the water level falls below the Brown probe, both Pumps remain de-activated.
- When the water level falls below the White probe, either Pump I or Pump II is activated. (the activation of Pump I or Pump II alternate so as to provide equal operating time.)
- If the water level then rises above the Red probe, both Pumps are de-activated. (when the water level then falls below the White probe, the alternate Pump is then activated.)
- When the water level falls below the Brown probe, both Pumps are activated.
- When the water level falls below the Blue probe, the Low Alarm and both pumps are activated.

NOTE: Contact the factory for custom sensor requirements.

NOTE: See written specification for more details.