WLC 6880

Waterline Controls®

DUPLEX PUMP ALTERNATING FILL SYSTEM WITH HIGH & LOW ALARM

Reference - BLACK
Low-Low Alarm - BLUE
Low Alarm - BROWN
Minimum Operating Level - WHITE
Maximum Operating Level - RED
High Alarm - GREEN

#2

#1

Output to Tank or Basin

PROBE CABLE

Sensor

4" Pipe Clamp
(used as an adjustable sleeve)

POWER (Green)
FAULT (Red)

Status Indicators

Internal Relays (SPDT)
Are rated 240 VAC @ 40 Amps

PUMP II ON

PUMP I ON

High Level Alarm

Low Level Alarm

Buzzers

AC Power Input

Output to the building automation system

PROBE CABLE

High Alarm
GREEN Probe.

Maximum Operating Level Pump I
or Pump II OFF. RED Probe.

Minimum Operating Level Pump I
or Pump II ON. WHITE Probe.

Both Pumps ON. BROWN Probe.

Low Alarm. Both Pumps ON.
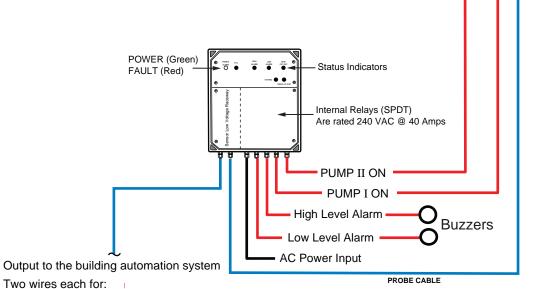BLUE Probe.

Reference Probe BLACK.

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 activatied 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 Red 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.

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