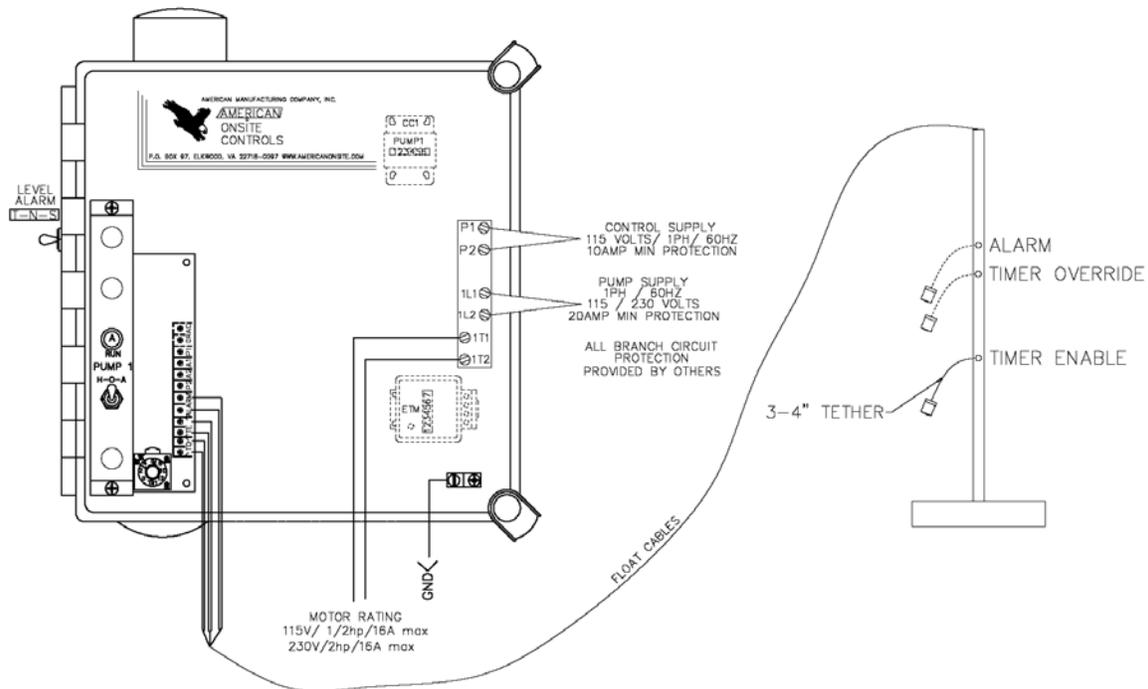


AMERICAN AUTOMATED CONTROLS

"SEQ/DEQ" Series – Simplex & Duplex Equalization



Typical Control Model Number: SEQAB124-ACEFJL.

Simplex (**S**) equalization (**EQ**) control with alarm (**A**), breakers (**B**), 1ph (**1**), 115 or 230 volt (**2**), NEMA 4X enclosure (**4**), auto-reset alarm (**A**), cycle counter (**C**), elapsed time meter (**E**), flashing light (**F**), upgraded contactor (**J**), locking hasp (**L**) (locking hasp standard with NEMA 4X enclosures).

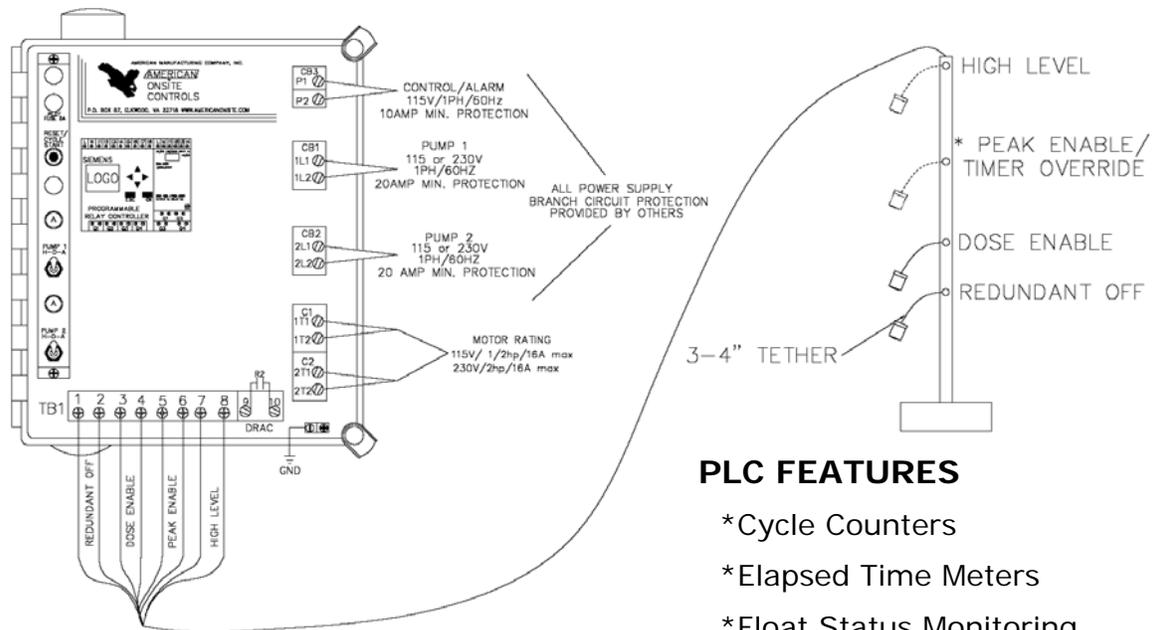
The pump control panel shall be equipped with two float switches to control the timed doses to be discharged. When the water level rises high enough to overcome the "Timer Enable" (first) float the repeat cycle timer will begin timing the "off" period. When the "off" period has timed out, the pump will activate and the timer will begin timing the "on" period. The pump shall continue to run for the length of time as programmed on the "on" period. When the timer has finished timing out the "on" period, the pump will shut off and the timer will begin timing out the "off" period again. This cycle will repeat itself until the water level drops below the "Timer Float".

If the water level continues to rise enough to overcome the "High Level" (second) float, the audio/visual alarm shall activate until silenced by pressing the silence switch. The alarm circuit shall automatically reset when the "High Level" float returns to its normal position.

Featuring excess water use alarming!

AMERICAN AUTOMATED CONTROLS

"SEPR/DEPR" Series – Simplex & Duplex Equalization w/ PLC



PLC FEATURES

- * Cycle Counters
- * Elapsed Time Meters
- * Float Status Monitoring
- * Programmable Timers

Typical Model Number: SEPRAB124-AJLR

Simplex (**S**) equalization by programmable relay (**EPR**) control with alarm (**A**), breakers (**B**), 1ph (**1**) 115 or 230 volt (**2**), NEMA 4X enclosure (**4**), auto-reset alarm (**A**), upgraded contactor (**J**), and locking hasp (**L**) (locking hasp standard with NEMA 4X enclosures), redundant off float switch (**R**).

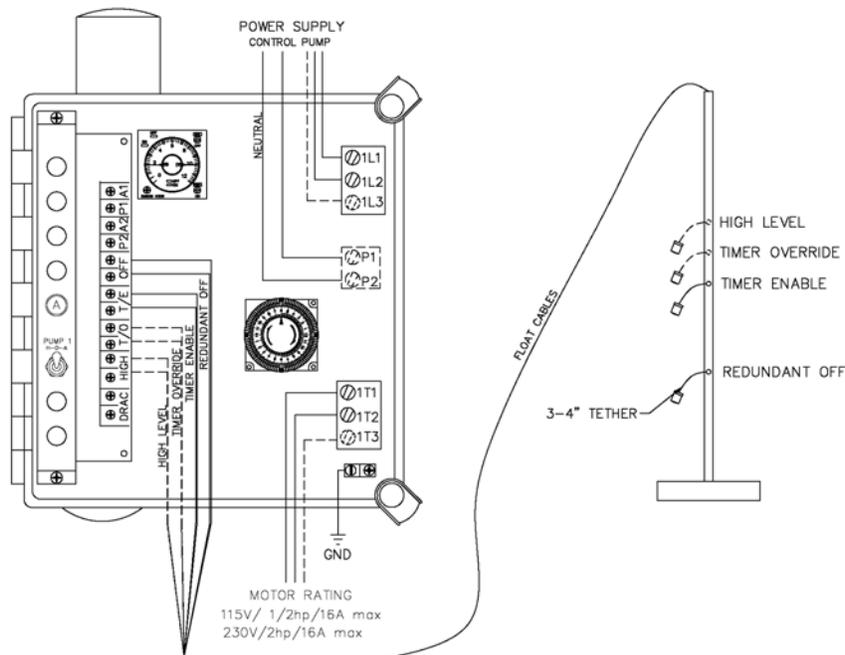
The water level must be high enough to overcome the "Redundant Off" (bottom) float in order for the pump to be permitted to run. When the water level rises high enough to overcome the "Dose Enable" (second) float and the rest timer has timed out, the pump will activate and the dose will begin. The pump will continue to run for the length of time as adjusted on the pump run timer and then shut off. The pump will remain off until the internal rest timer again times out, after which the pump will again activate (as long as the "Dose Enable" float is still up) and will run until the pump run timer finishes timing out. This process will repeat until the water level drops below the "Dose Enable" float and the pump run timer has timed out or water drops below the "Redundant Off" float, which will stop the pump immediately to prevent damage.

The control system shall be equipped with a "Peak Enable" function to manage peak flows and excess water use. If the rising water level activates the "Peak Enable" (third) float and the peak rest time has timed out, the control will dose. When the peak function is deactivated, the normal pumping cycle will resume. The peak function comes standard with user selectable peak and alarm mode.

If the water level rises enough to overcome the "High Level" (fourth) float, the audiovisual alarm will activate. The audio portion of the alarm may be silenced by pressing the "Test-Normal-Silence" switch. The alarm circuit will be reset when the "High Level" float returns to its normal (down) position and the "Reset/Cycle Start" button has been pressed.

AMERICAN AUTOMATED CONTROLS

"SET/DET" Series – Simplex & Duplex Equalization Time-of-Day



Typical Model Number: SETAB124-ACFJLRX(9).

Simplex (**S**) equalization Time-of-Day (**ET**) control with alarm (**A**), breakers (**B**), 1ph (**1**) - 115 or 230 volt (**2**), NEMA 4X enclosure (**4**), auto-reset alarm (**A**), cycle counter (**C**), flashing light (**F**), upgraded contactor (**J**), locking hasp (**L**) (locking hasp standard with NEMA 4X encl.), redundant off (**R**), 24-hour clock timer (**X9**).

The pump control panel shall be equipped with either a 24-hour Time-of-Day or 7-day 24-hour clock and four float switches to control the timed doses to be discharged. The water level must be high enough to overcome the "Redundant Off" (Bottom) float in order for the pump to be permitted to run. When the water level rises high enough to overcome the "Dose Enable" (second) float and the time clock is in a pump enable mode, the pump will activate. The pump shall continue to run for the length of time as programmed on the pump run timer, and shall then shut off. The pump shall remain off until the time clock enters a new pump enable mode, at which time the pump shall activate (as long as the "Dose Enable" float is still up) and will run until the pump run timer finishes timing out. This process shall continue until the water level drops below the "Dose Enable" float and the pump run timer has timed out or the Time-of-Day clock has passed the dosing window.

The control system shall be equipped with a timer override circuit to manage peak flows and excess water use. If the water level continues to rise enough to overcome the "Timer Override" (third) float and the override selector switch is on, the pump shall be activated, regardless of the time clock position. The pump will continue to run until deactivated by the override circuit, at which time the pump will shut off and the normal pumping cycle shall resume. If the water level continues to rise enough to overcome the "High Level" (fourth) float, the audio/visual alarm shall activate until silenced by pressing the Test-Normal-Silence switch to the silence position. The alarm circuit shall automatically reset when the "High Level" float returns to its normal position.