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AerobicGuard Dual Alternating Control with Remote Monitoring



The AerobicGuard Dual Alternating Control has the following features:

- A complete control that manages two pumps based on timer and float status.
- Alternates between two pumps.
- One programmable digital timer module with two control modes (Night Spray or Dosing Mode) and Bluetooth accessible.
- One remote monitor module with WiFi connectivity. Monitors voltages and currents for each pump and air compressor independently, reporting data, events, and alarms to the cloud.
- Inputs for three floats.
- 120VAC or 220VAC pumps supported.
- Replaceable pump relays for easy maintenance.

- Replaceable surge protector.
- One 120VAC and one low voltage DC external alarm inputs.
- Monitors 1 air pressure and two water pressures.
- 1 RS-485 interface for optional external sensors.
- Independent breakers for control, air compressor, and pumps.

Specifications:

- Input Supply: L1, L2, N, G. (Neutral required for control and air compressor.)
- Control Supply: 120VAC, 5A breaker. (L1 to N).
- Air Compressor Supply: 120VAC, 15A breaker. (L1 to N).
- Pump Supply: 120VAC (L1 to N) or 240 VAC (L1 to L2), 20A breakers. (Unit is configured for 120V or 220V pumps at the factory.)
- Float inputs/outputs: 120VAC Control Supply Voltage, protected by resettable fuse.
- Air Compressor Rated Pressure: 10 PSI max.
- Water Pressure: 100 PSI max.
- Pressure inputs: ¼" OD tubing quick connect.

Timer Module:

The Timer Module is optional. If not installed, the timer enable output is always enabled.

The Timer Module can operate in one of two modes: 24Hr Mode restricts pump activity to a window specified by the operator; e.g. from 1

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to 4am. The Dosing Mode continuously alternates between a specified off time and on time; e.g. on for 1 hour and off for 4 hours.

The timer settings may be adjusted locally over Bluetooth, or remotely via the app or web site.

The Timer Module contains an internal coin cell battery to preserve time while the control is not powered. Estimated battery life is 10 years.

Remote Monitor Module:

The Remote Monitor Module is optional. The control will operate normally without remote monitoring.

The Module operates on the 2.4 GHz band and is compliant with IEEE 802.11 b/g/n.

The Remote Monitor Module continually samples both pump supply voltages and currents, and the air compressor supply voltage and currents. Additionally, it also monitors the air compressor pressure and two optional water pressures.

The Remote Monitor Module connects to the internet through a local WiFi network. Network provisioning and configuration is handled over Bluetooth.

Relay Modules:

The control features two replaceable relay modules, one for each pump. Each relay is rated for 30A.

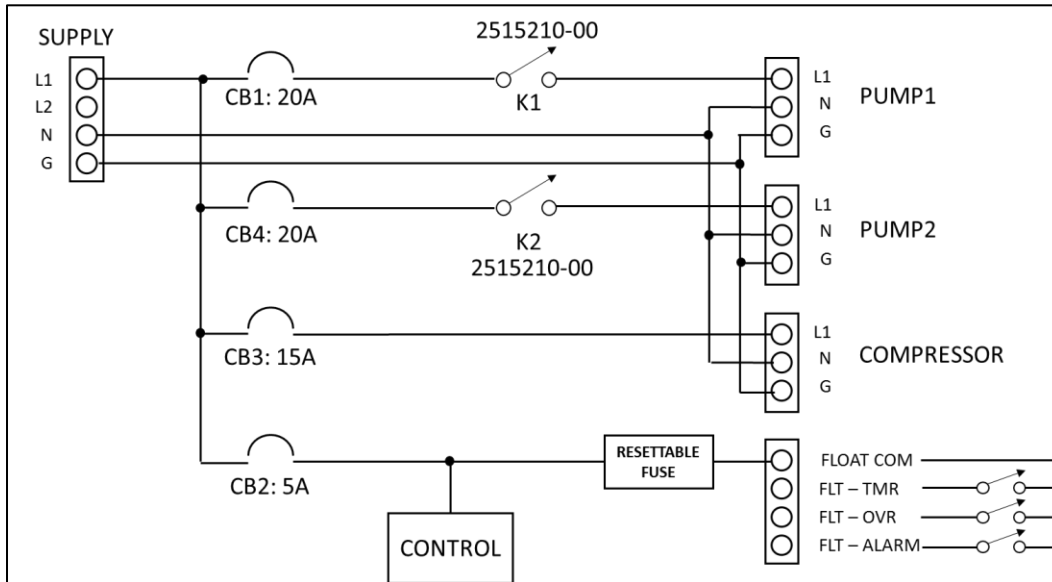
The 120V configuration uses relay module 2515210-00.

The 220V configuration uses relay module 2515210-50.

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120V Configuration



220V Configuration:

