

## C-220 / C-230 Aerator Control Panel Instructions



**Read and follow all control panel and aerator instructions provided.**

- This control panel and the attached equipment is to be installed and service by trained qualified personnel only.
- Test all GFCI (ground fault circuit interrupter) protection devices immediately after installation and every 30 days thereafter.
- Inspect the control panel for any damage and components that may have loosened during shipping.

### 1. Mounting the Control Panel

Control panel must be installed a minimum of 5ft (3m in Canada) from the inside wall of the pond, unless separated from the body of water by a fence wall, or other permanent barrier that will make the unit inaccessible to persons in the water.

Mounting structure must rigidly support and prevent movement of the panel. The control panel must be level and upright to remain waterproof. Mount control panel out of direct sunlight when possible; a north facing surface to prevent excessive heat buildup.

Two integral mounting tabs are provided for attaching to the structure. Use a minimum of two fasteners (one top and one bottom).

### 2. Electrical Wiring

Installation must follow and comply with all local and national electrical codes. Consult a qualified electrician or service person to perform installation.

Electrical connections to this panel must be made with proper strain relief cord grip fittings or conduit connections as required by local and national electric codes. The bottom of the enclosure is reserved for field installation of these connections.

Prior to energizing this panel ensure all electrical screw terminals are tight and torqued. See wiring diagram for torque values.



**Incoming Power Connection: (Power Feed)**

Panel requires a 240V or 208V - 4 wire service (L1, L2, N, & G), and must be fed with a circuit protected by a circuit breaker or a fused disconnect switch providing circuit protection and a disconnection means.

Provide adequate sized power conductors to prevent excessive voltage drop. Consult with your electrician to properly size power feed conductors (copper only). Connect incoming power feed as detailed on the provided wiring diagram.

**Feed Circuit Breaker Size**

**C-220** requires a 30 amp circuit breaker feed.

**C-230** requires a 40 amp circuit breaker feed.

**Aerator Power Cord Connection:**

Your aerator will be provided with a flexible power cord for connection to this control panel. The power cord conductors (black, white, green) need to be stripped back 1/2". The outer black jacket should be stripped back at least 3 inches. Connect aerator as detailed on the wiring diagram provided with the control panel.

**3. Set Timer**

Set Time clock to the desired ON and OFF times per the instructions in the aerator owner's manual.

**Record the following data while the Aerator is operating under load:**

Voltage	Aerator Amps
L1-L2 _____	L1 _____
L1-N _____	L2 _____
L2-N _____	

Date installed \_\_\_\_/\_\_\_\_/\_\_\_\_

Any unauthorized modifications to this control panel will void UL listing and Kasco warranty.

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