

# EverKlor

## Operation Manual & Quick Start Guide

### Our Mission

At EverKlor, we are committed to simplifying pool care for everyone. Whether you're an experienced pool service professional or a first-time pool owner, our innovative systems are designed to make maintaining crystal-clear water effortless and reliable. We believe that advanced pool care technology should be accessible, intuitive, and effective for all users.

## Operation Manual

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To achieve optimal chlorine levels in your pool, utilize the adjustable parameters on your EverKlor controller. We recommend a two-week calibration period to establish your pool's unique requirements, which are influenced by factors such as bather load, surrounding vegetation, pool volume, water chemistry, and environmental conditions.

### System Parameters

#### Duration

Controls the length of time the actuator dispenses chlorine per cycle. Adjustable range: 1-30 seconds.

#### Frequency

Sets the interval between chlorine dispensing cycles. Adjustable range: 1-8 hours.

### Step-by-Step Setup Process

#### 1 Initial Testing & Baseline Configuration

Begin by testing your current water chemistry and recording all readings. Document any existing issues or desired outcomes. Set the frequency to once per hour with a duration of one second as your starting point.

#### 2 Monitor & Adjust Chemistry

After 24 hours, retest the water. If a free chlorine reading is detected, adjust the frequency dial to increase

the time between doses. Continue this monitoring process for three consecutive days to identify the ideal chlorine levels for your pool.

### 3 Establish Regular Testing Schedule

Once you achieve a stable free chlorine reading between 1-10 ppm, conduct water chemistry checks every three days. If levels remain consistent over this period, you may reduce testing frequency to once per week.

### 4 Refilling the Chemical Tank

Refilling is straightforward and safe. Simply unscrew the fill port cap and carefully add liquid chlorine (sodium hypochlorite) to the tank. Always follow proper chemical handling procedures and wear appropriate protective equipment.

### 5 Manual Override Function

The manual override button allows you to immediately "shock" the pool when needed. Use this feature in cases of contamination (such as bodily fluids), after heavy bather loads, following storms, or when addressing any bacterial concerns that require immediate attention.

### 6 Seasonal Adjustments

Your pool's optimal settings may vary throughout the year. During winter months or off-season periods, you can reduce both duration and frequency settings. This adjustment maintains healthy water quality while significantly reducing chemical consumption and operational costs.

#### Pro Tip: Optimization

Every pool has unique chlorine demand characteristics. Variables such as pump speed, daily runtime hours, bather load, ambient temperature, geographic location, and seasonal changes all influence the ideal schedule. Most pools reach optimal settings within the two-week setup phase.

## Maintenance

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For optimal system performance and longevity, regular maintenance is essential. Replace the chemical hose and pump fitting every 9-12 months to ensure reliable operation and prevent potential leaks or degradation.

#### Replacement Parts

**Part Number:** EKLCD3-EF

Refer to the included maintenance guide for detailed best practices and step-by-step replacement procedures. For technical support or parts ordering, contact our customer service team.

# Quick Start Guide

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## **Red Manual Button**

Press to engage immediate chlorine dispensing. The system dispenses only while the button is pressed, then automatically returns to scheduled operation. Use this override function to "shock" the pool immediately due to contamination, low free chlorine readings, storm preparation, pre-party treatment, or other urgent needs.

## **Schedule Dial**

Controls the frequency of automated chlorine dosing. Adjustable range: 1-8 hours between doses.

## **Seconds Dial**

Controls the duration of each chlorine dose. Adjustable range: 1-30 seconds per dosing cycle.

## **System Power LED (Green)**

Indicates that power is supplied to the unit and the automated schedule is active.

## **Dispensing LED (Blue)**

Illuminates when chlorine is actively being dispensed to the pool system.

## **System Error LED (Red)**

Indicates a system error has been detected. Please call 361-677-3674 for technical assistance.

## **Maintenance Required LED (Yellow)**

Indicates that regular maintenance is due. Refer to the user assembly guide or contact 361-677-3674 or your local pool service professional for assistance with routine maintenance procedures.

# Recommended Scheduling Guidelines

The following schedules are recommended starting points based on pool type and usage patterns. Fine-tune these settings during your two-week calibration period to match your specific pool's requirements.

Pool Type & Usage	Recommended Schedule	Format (Hours × Seconds)
Residential Pool (Low Bather Load)	Every 8 hours for 1 second, or every 4 hours for 2 seconds	8×1 to 4×2
Residential Pool (High Bather Load / Rental / Events)	Every 4 hours for 2 seconds, or every hour for 5 seconds	4×2 to 1×5
Commercial Pool (Low Bather Load / Off-Season)	Every 4 hours for 1 second, or every 4 hours for 5 seconds	4×1 to 4×5
Commercial Pool (High Occupancy / Holidays / Events)	Every hour for 1 second, or every hour for 8 seconds	1×1 to 1×8

## Average Chlorine Consumption by Schedule

Schedule Setting	Approximate Consumption
8×1	0.5 gallons per week
4×5	7 gallons per week
4×15	2.5 gallons per day
1×30	5 gallons per day

### Important Note

Consumption rates are based on a 1.5 HP variable-speed pump running 24 hours per day at 1650 RPM. Every pool has unique chlorine demand characteristics. Variables such as pump speed, daily operating hours, bather load, ambient temperature, geographic location, and seasonal conditions will determine the optimal schedule for your specific pool. Average demand can typically be established within the two-week setup phase.

**361-677-3674**

Thank you for being part of the swimming pool revolution with EverKlor.