



The Culligan® AccuSoft® Plus circuit board controls all of the filter functions. These settings are programmed at the time of installation. The following is a list of all the microprocessor functions, in the event that any of the settings need to be adjusted.

REGEN EFFICIENCY MODE	TODAY'S AVG DAILY WATER USAGE	SOFTWATER REMAINING	PM % MINS AM
BACKWASH GALLONS	BRINE RINSE LITERS	FAST RINSE/ REFILL FLOW RATE	GPM LPM

## Programming

### Display Icons

The display is to be backlit and have the icons as shown below.

### Custom LCD Display

Six standard 12-segment alpha-numeric characters, a decimal separating the first and second character, a colon separating the second and third character positions, AM, PM, REGEN, EFFICIENCY MODE, TODAY'S, AVG DAILY, WATER USAGE, SOFTWATER, REMAINING, %, MINS, BACKWASH, BRINE RINSE, FAST RINSE, REFILL, GALLONS, LITERS, FLOW RATE, GPM, LPM Icons

A further description of each programming setting and the corresponding display is outlined below. For a display that has an icon that is displayed solid for the 2 second time period prior to bringing up the settings, the settings menu can be reached prior to the two second time out by pressing the "+" or "-" key.

- Beeper Setting** - This setting is used to turn the beeper on or off for each key press actuation. The display will show "bEEP X" where X is either "Y" or "N". The "Y" or "N" will be toggled with the "Up" and "Down" keys. Setting the Beep option to "N" will only disable the beeper for key press actuation. The beeper will still be active for error and alarm codes.

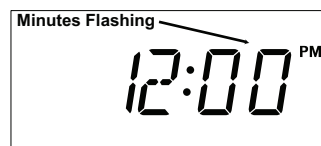


Pressing the "Program" key will save the setting and move to the next programming step.

- Time of Day** - This setting is used to program the current time of day. When in this step the display will first show "tod" for two seconds.

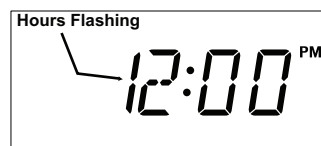


After "tod" is displayed, "12:00 PM" will display (or the current set time if already programmed) and the minutes will flash. The minutes are adjusted with the "Up" or "Down" key until the correct value is displayed.



Press the "Regen" key to flash the hours. Adjust with the "Up" or "Down" key until the correct time is displayed.

Pressing the "Program" key will move to the next programming step. Pressing "Regen" will move back to the minutes adjust.



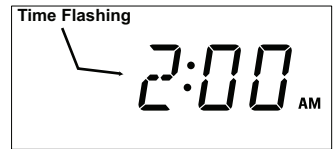


## Programming (cont.)

- **Time of Regeneration** - This setting is used to program the time at which a regeneration is to occur in the delay mode, or in immediate mode with time clock backup on. The display will first show "tor" for two seconds.

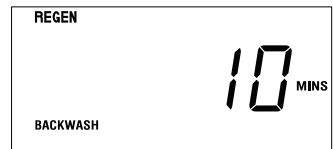
After "tor" is shown the display will then show the default of 2:00 AM (or the current programmed time of regeneration if already set). The time can be adjusted in 30 minute increments by pressing the "Up" or "Down" keys.

Pressing the "Program" key will save the setting and move to the next programming step.



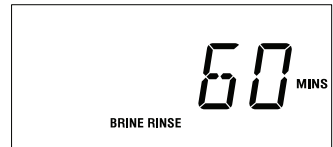
- **Cycle 1 Time (Backwash)** - This setting is used to program the backwash cycle. The time of the cycle is kept in minutes. The display will show the "Backwash" and "Mins" icons and the cycle time in the right most digits. Adjust the value with the "Up" or "Down" keys.

Pressing the "Program" key will save the setting and move to the next programming step.



- **Cycle 2 Time (Pause)** - This setting is used to set the time in minutes for cycle 2. This cycle is usually brine draw / slow rinse for softeners and a settling time for filters. The display will show the "BRINE RINSE" and "MINS" icons and the cycle time in the right most digits. Adjust the value with the "Up" or "Down" keys.

Pressing the "Program" key will save the setting and move to the next programming step.



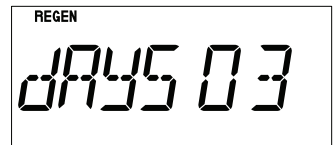
- **Cycle 3 Time (Fast Rinse)** - This setting is used to set the time in minutes for cycle 3. This cycle is usually fast rinse for softeners and filters. For softener applications it may include the refill operation. The display will show the "FAST RINSE", "/", "REFILL" and "MINS" icons for 4-cycle valves or "FAST RINSE" and "MINS" icons for 5-cycle valves and filters with the cycle time in the right most digits. Adjust the value with the "Up" or "Down" keys.

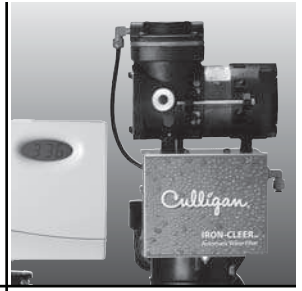
Pressing the "Program" key will save the setting and move to the next programming step.



- **Regeneration Interval** - This setting is used to set the days between regeneration in time clock mode. It is also active in meter mode if the time clock backup DIP switch # 10 is set to on. The display will show "REGEN" icon and "days" as well as the numbers to change. Adjust the value with the "Up" or "Down" keys.

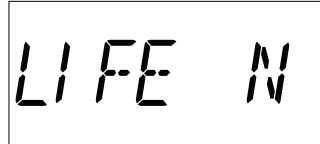
Pressing the "Program" key will save the setting and move to the next programming step.





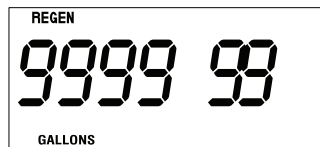
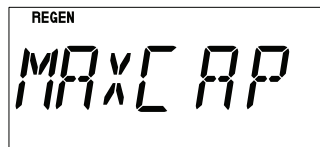
## Programming (cont.)

- **Filter Media Life (Change Media)** - This setting is used in Filter Mode ONLY with flow meter attached. It enables or disables an alarm code ("CHANGE MEDIA") that indicates the end of life for the filter media. The display will show "LIFE" in the left most characters and toggle between "Y" and "N" in the right most character with the "+" and "-" keys. If "NO" is selected, the alarm is disabled and the 'Total Capacity' setting will be treated as it is in Flow Meter Mode (softener). If "YES" is selected, the alarm is enabled and will sound when the 'Total Flow/Life of Unit' statistic = 'Total Capacity' setpoint, indicating that it is time to change the filter media.



Pressing "Program" key will save and advance to the next step.

- **Total Capacity Set Point (Max Capacity)** - This setting is used to program a value that corresponds to the maximum capacity that can be expected from a unit before it is completely exhausted (no reserve). This setting will only appear if a flow meter is connected to the circuit board. The display will show the "REGEN" icon and "MAXCAP" for two seconds and then display the "REGEN" and "GALLONS" or "LITERS" icons (depending on DIPswitch #7 setting) and the setting numbers to adjust. Adjust the value with the "Up" or "Down" keys.


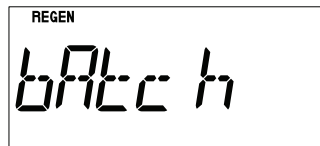


When the capacity used equals this total capacity setting with the "Life" feature off, the control will regenerate either immediately or at the time of regen based on the "hidden programming menu" setting.

With the "Life" feature on, the control will use this setting to trigger the "Change Media" alarm.

Pressing the "Program" key will save the setting and move to the next programming step.

- **Batch Set Point** - This setting is used to set the trip point for regeneration when in flow meter operation. It will only appear if a flow meter is connected. The programmed setting displays the actual set point to trigger regeneration. The display will show the "REGEN" icon and "bAtCh" for two seconds and then display the "REGEN" and "GALLONS" or "LITERS" icons (depending on dip#7 setting) and the setting numbers to adjust. Adjust the value with the "Up" or "Down" keys.



Pressing the "Program" key will save the setting and move to the next programming step.



## Statistic Functions

The statistical functions are reached by pressing the "Information" key. Repetitive presses of the "Information" key will cycle through the standard statistics mode until cycled back to time of day display. Once either of the Information menus is entered the information shown for each display is outlined below:

- **Flow Rate** - This display will only show if the flow meter is attached to the control. The display shall show the current flow rate of the water passing through the control. The display will show the "Flow Rate" and "GPM" icons and the current flow rate passing through the flow meter for as long as the "-" key or "Information" key is not pressed.
- **Capacity Remaining (%) (standard statistics)** - This display will only show if the flow meter is attached to the control. The display shows the percent capacity remaining before regeneration will be triggered. The display will show the "Water Usage", "Remaining" and "%" icons.
- **Today's Water Usage** - This display will only show if the flow meter is attached to the control. The display will show the accumulated flow of water for the current day. The value is to start totalizing at 12:00 AM and reset to 0 at 11:59:59 PM. The display will show the "Today's", "Water Usage" and "Gallons" icons and the total days flow.
- **Average Daily Water Usage** - This display will only show if the flow meter is attached to the control. The display will show a running 7-day average of daily water usage. The display will show the "Avg Daily", "Water Usage" and "Gallons" icons and the averaged flow value.

