

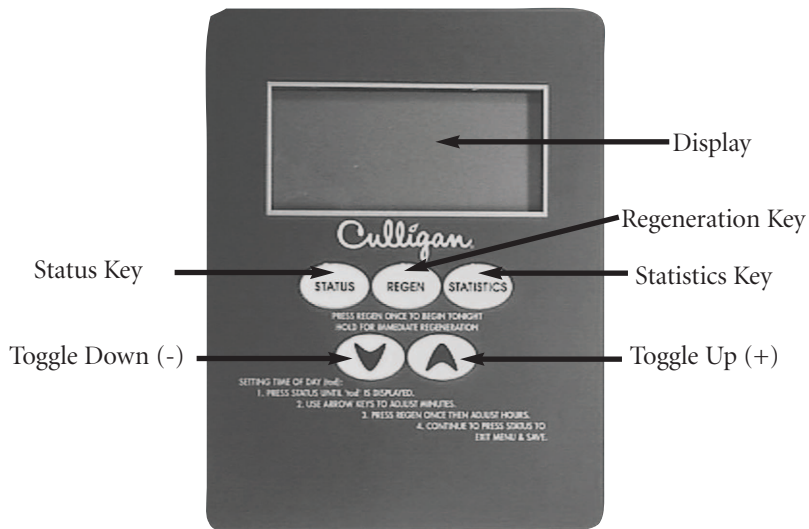


Power Loss

The AccuSoft® circuit board is equipped with a Hi-Cap Capacitor and EEPROM memory chip. The capacitor is capable of maintaining the time, for at least one day, in the event of a power outage. The EEPROM ensures that the individual programming parameters of your softener are not lost.

If the power outage lasts long enough to drain the Hi-Cap Capacitor, the control will flash “12:00 PM” when power is returned to the control. The unit will continue to keep time from the moment power is restored, and will initiate a full regeneration at the preset regeneration time. The time of day will need to be reset in order to return the regeneration to its preset time.

If you live in an area where power outages occur with a regular frequency, a battery backup option is available for ensuring that the time of day is properly maintained. Contact your Culligan Dealer for more information.

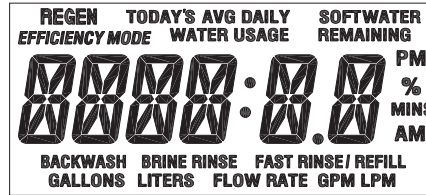


Display	Back lit LCD display.
Status Key	Depress to enter and move through the programming steps.
Regeneration Key	Press and hold the key for five (5) seconds to initiate an immediate regeneration. When pressed during programming the time of day or time of regeneration, this key will allow the user to toggle between the hours and minutes setting of timing program segments.
Statistics Key	Each time depressed, the Statistics key will display statistical information such as flow rate or time of day.
Toggle Down Key (-)	In the programming mode this key will move the user through the programming function in a descending mode. If depressed for greater than three seconds, the rate at which the display scrolls through data will increase.
Toggle Up Key (+)	In the programming mode this key will move the user through the programming function in an ascending mode. If depressed for greater than five seconds, the rate at which the display scrolls through the data will increase. This key will also allow the user to manually step through the cycles of regeneration.



Programming

The Culligan® AccuSoft® Plus circuit board controls all of the softener 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.

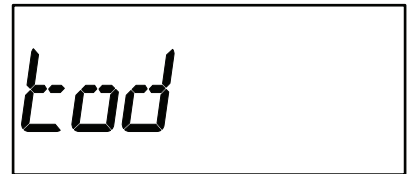


1. **Beeper Setting** - This setting is used to turn the beeper on or off for each key press actuation. The display will show "bEEP X" where X is either "Y" or "N". The "Y" or "N" will be toggled with the "+" and "-" keys. Setting the Beep option to "N" will only disable the beeper for key press actuation.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



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

2. **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 "+" or "-" key until the correct value is displayed.

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



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

3. **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 "+" or "-" keys.

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





4. **Regeneration Interval** - This setting is active in meter or Aqua-Sensor mode if the time clock backup DIPswitch # 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 "+" or "-" keys.



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

5. **Hardness Setting (flow meter only)** - This setting is used to set the hardness (grains) of the influent water supply. The display will only appear if a flow meter is connected to the circuit board. The display will first show "Hard" for two seconds and then display the Hardness default (or the previously programmed value). Adjust the value with the "+" or "-" keys.



(These settings will not get saved to EEPROM until the 'status' key is pressed while at the 'dEFLtS' programming step)

6. **Iron Setting (flow meter only)** - This setting is used to set the iron level (PPM) of the influent water supply. The display will show "Iron" in the left most digits and the iron default setting (or the previously programmed value) in the far right digit. The display will only appear if a flow meter is connected to the circuit board. Adjust the value with the "+" or "-" keys.



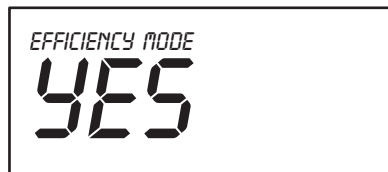
Pressing the "Status" key will temporarily store the setting and move to the next programming step.

7. **Salt Type (flow meter only)** - This setting is used to select the regeneration salt type (Sodium Chloride or Potassium Chloride). The display will show "SALT" for 2 seconds. Then display the default 'NACL'. Pushing the "+" or "-" keys will change to 'KCL'.



Pressing the "Status" key will temporarily store the setting and move to the next programming step.

8. **Efficiency Mode (flow meter only)** - Efficiency mode will only be active if the conditions as explained in *Familiarization* section are met (Not available if DIP switch #6 or DIP switch #9 are on). The "EFFICIENCY MODE" Icon will be displayed with a default of "YES". Toggle between "YES" and "NO" with the "+" or "-" key.



Pressing the "Status" key will temporarily store the setting and move to the next programming step.



9. **Tank Sizes (flow meter only)** - This setting is used to determine what size tank the control is connected to. The display will first show "GOLD" for two seconds and then display the tank size default. Adjust the tank size with the "+" or "-" keys.

GOLD

9X48

Pressing the "Status" key will temporarily store the setting and move to the next programming step.

10. **Defaults (flow meter only)** - This setting allows the control to automatically determine what the values shall be for salt dosage, cycle times, batch capacity, and total capacity based on the "temporarily stored" values above. The display will first show "dEFLtS" for two seconds and then display "YES" or "NO", with "YES" being the default. "YES" and "NO" are toggled with the "+" or "-" keys.

dEFLtS

If 'YES' is chosen, then pressing the "STATUS" key will let the control automatically lookup, calculate, and save the values for salt dosage, cycle times, batch capacity, and total capacity, and proceed to the next item in the programming menu.

YES

If 'NO' is chosen, then the programmer will have the ability to set each value as desired for salt dosage, cycle times, batch capacity, and total capacity. (Choosing "NO" will cancel Efficiency Mode if it was active prior to this step)

11. **View** - This setting is used to allow the programmer to view the calculated and looked up values for salt dosage, cycle times, batch capacity, and total capacity. These values may only be viewed and can't be changed at this time. This 'View' programming item is only available in the menu if 'dEFLtS' was set to 'YES'. The display will show "VIEW N". The "Y" or "N" will be toggled with the "+" and "-" keys. The default for this item shall always be "N" and does not get saved in EEPROM. The programmer must always toggle to "Y" in order to view these items.

VIEW N

If "Y" is chosen, then pressing the "STATUS" key will display the value for salt dosage; repeated presses of the status key will display cycle times, batch capacity, and total capacity.

Pressing the "STATUS" key after viewing "Maxcap" will exit the programming menu.

If "N" is chosen, then pressing the "STATUS" key will exit the programming menu.

12. **Salt Dosage** - This setting is used to set the salt dosage. The display will first show "dOSAGE" for two seconds and then display the default (or previously programmed value). Adjust the salt dosage with the "+" or "-" keys.

dOSAGE

LbS 7



Note: This Setting appears during Aqua-Sensor Programming.

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

13. **Backwash Time** - This setting is used to program the backwash. 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 "+" or "-" keys.



Note: This Setting appears during Aqua-Sensor Programming.

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

14. **Brine Drain/Slow Rinse** - This setting is used to set the time in minutes for brine drain/slow rinse cycle. The display will show the "BRINE RINSE" and "MINS" icons and the cycle time in the right most digits. Adjust the value with the "+" or "-" keys.



Note: This Setting appears during Aqua-Sensor Programming.

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

15. **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, and 'dEFLtS' set to 'NO'. 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" icons and the setting numbers to adjust. Adjust the value with the "+" or "-" keys.



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