

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 two days, 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.

Meter Operation

For units equipped as a Soft-Minder® meter, the gallons remaining can be viewed by pressing the STATUS button until the screen is blank. Press the "-" key. The display will blink "FLO" for 3 seconds and then display the gallons per minute flow rate. Press the "-" key. The display will blink "GAL" for 3 seconds and then display the gallons remaining before regeneration (multiply the displayed number by 10).

Regeneration

To initiate a regeneration at the preset time, press the "REGEN" button. The "REG" light will light. To initiate an immediate regeneration, press and hold the "REGEN" button for at least five seconds. The "REG" will light and blink. An immediate regeneration will also occur if a power outage has lasted for more than four hours and the Immediate Regeneration option is chosen. Ask your Culligan Dealer about this feature.

A regeneration at the Time of Regeneration will occur if so signaled by the Soft-Minder meter. The "REG" enunciator on the display will also be lit.

Service

The Culligan Medallist Series® water softener is equipped with a self diagnostic program to insure optimal operation of your water softener. Should service become necessary, a phone icon will appear in the display. If this condition occurs, call your local Culligan Dealer for assistance. The phone icon and error code will be the only items displayed when service is required on the control.

Programming



Programming (cont.)

Make sure the inlet water supply is turned off, then supply power to the timer. The display will power up flashing "12:00 PM" and the motor will energize and cycle the control, without stopping, to the home position. This is required to ensure that the control is in the home position.

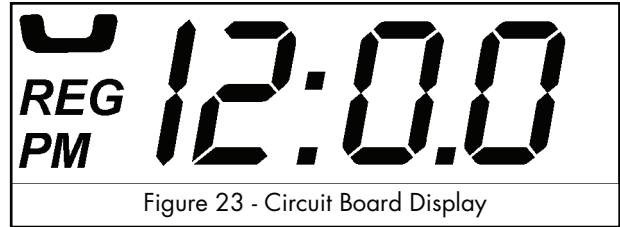


Figure 23 - Circuit Board Display

The timer uses four buttons:

1. STATUS: Advance timer through display options.
2. PLUS SIGN "+": Increase the setting.
3. MINUS SIGN "-": Decrease the setting.
4. REGEN.: Initiate a manual regeneration.

Programming the Option Settings

The microprocessor has several programming options that can be changed for various additional functions. Listed are the functions for the programming options used on the Culligan Medallist Series® control.

Dip Switch	Function	Default Position
1	Service or Test	Service
2	Delay or Immediate Regeneration	Delayed Regeneration
3	Softener or Filter	Softener
4	Time Clock Backup	OFF
5	English or Metric	English
6	3/4" or 1" Meter	3/4" Meter

1. Service or Test Mode

Press and hold the "STATUS" key until "dIP1" appears in the display. "dIP1" will blink for 3 seconds and then the display will show the status of this option (SEr or iES). Toggle the feature with the "+" or "-" key.



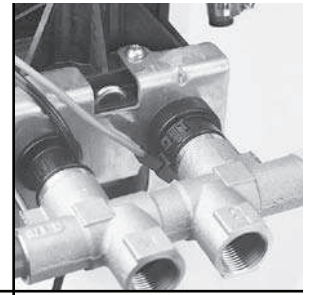
Note: Pressing "STATUS" after changing option to test mode will place the control in test mode. After testing is complete press and hold "STATUS" for 3 seconds to return to "dIP1" setting. Placing the unit in test mode will not change any of the programmed values (Refer to the service manual for test menu).

2. Delay or Immediate Regeneration

Press the "STATUS" key. The display will blink "dIP2" for 3 seconds and then show the current status. Toggle between "DEL" (Delay) and "Id" (Immediate) with the "+" or "-" key.



Note: Changing this setting will not change any of the programmed value with the exception that Step #2, time of regeneration will be ignored when set to immediate.



Programming (cont.)

3. Softener or Filter

Press the "STATUS" key. The display will blink "dIP3" for 3 seconds and then show the current status. Toggle between "SOF" (Softener) and "FIL" (Filter) with the "+" or "-" key.



Note: Changing this setting will cause the unit to load the Filter or Softener defaults.

4. Timeclock Backup

Press the "STATUS" key. The display will blink "dIP4" for 3 seconds and then show the current status. Toggle between "OFF" (Timeclock backup is off) and "ON" (Timeclock backup is on) with the "+" or "-" key.



Note: Changing this setting will not change any of the programmed values and will load the default Timeclock Backup value of 3 days. Programming step 7 will be activated when this is set to On.

Note: This option will only be available when the flowmeter is plugged into the control.

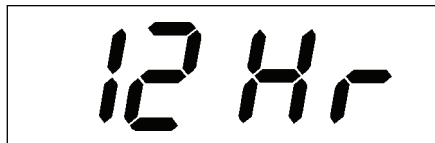
5. English or Metric

Press the "STATUS" key. The display will blink "dIP5" for 3 seconds and then show the current status. Toggle between "En" (English units) and "MET" (Metric units) with the "+" or "-" key.



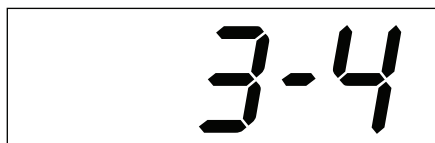
6. 12 or 24 Hour Clock

Press the "STATUS" key. The display will blink "dIP6" for 3 seconds and then show the current status. Toggle between "12 Hr" (12 hour clock) and "24 Hr" (24 hour clock) with the "+" or "-" key.



7. 3/4" or 1" Meter

Press the "STATUS" key. The display will blink "dIP7" for 3 seconds and then show the current status. Toggle between "3-4" and "1nCH" with the "+" or "-" key.



Note: The 3/4" meter setting is to be used with the 8" Medallist Series softener. The 1" meter setting is for the Medallist Plus series softener.



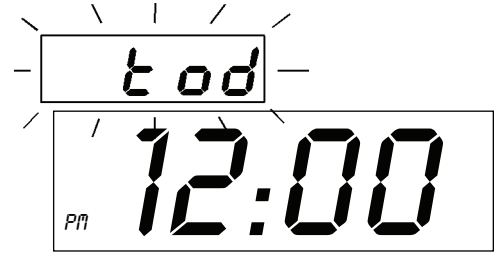
Programming (cont.)

Setting the Microprocessor

The microprocessor senses when it is installed as a Soft-Minder® control. Adding or removing any connection to the board will automatically reset the microprocessor to the factory settings.

Step 1 - Programming Time of Day

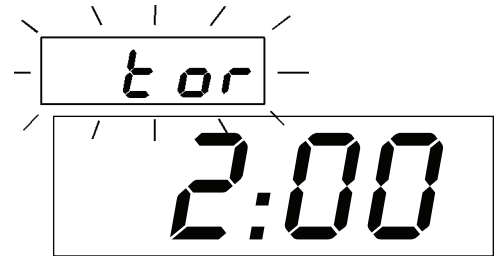
Press the "STATUS" key.
The display will blink "tod" for 3 seconds and then change to time of day with the "minutes" digits blinking.
Adjust the "minutes" digits with the "+" or "-" keys.
Press the "REGEN" key to blink the "hours" digits.
Adjust the "hours" digits with the "+" or "-" keys.
Press the "REGEN" key to cycle back to "minutes"



Note: The "hours" setting scrolls through 1-12 and 1-12 PM. Make sure the proper AM or PM indicator is shown when setting the time (AM is not displayed).

Step 2 - Programming Regeneration Time

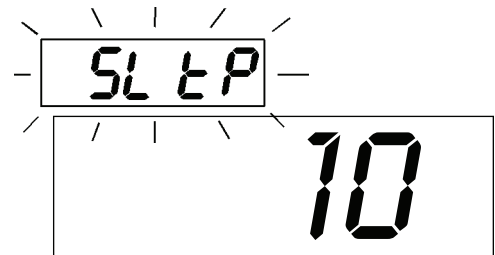
Press the "Status" key after setting the time of day.
The display will blink "tor" for 3 seconds and then change to the time setting with the "ones" digit blinking.
Adjust regeneration time as time of day above.



Note: This option will not show if the "dIP 2" option is set to immediate

Step 3 - Programming Salt Dosage

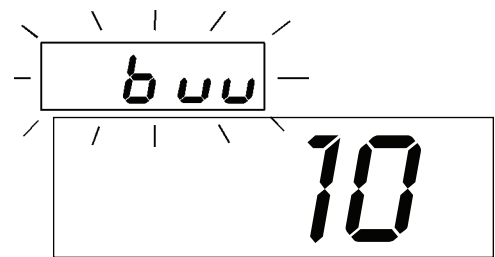
Press the "Status" key after programming regeneration time. The display will blink "SLtP" if set to English or "SLtG" if set to Metric for 3 seconds and then display the salt dosage.
Adjust the setting with the "+" or "-" key
(3-24 lbs.) (1-10 kgs.)

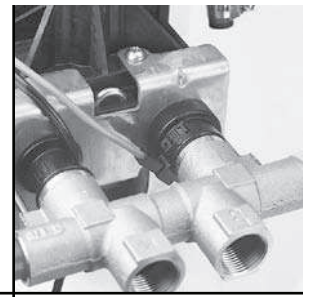


Note: This option will not show if the control is set to Filter mode.

Step 4 - Programming Backwash Time

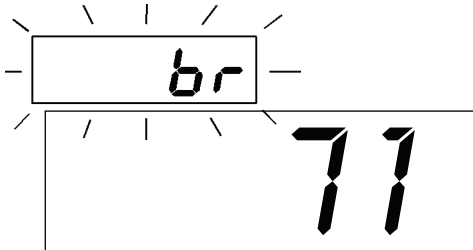
Press the "Status" key after programming salt dosage.
The display will blink "bw" for 3 seconds and then display the backwash time in minutes.
Adjust the setting with "+" or "-" key. (1-40 minutes)





Step 5 – Programming Brine Draw/Slow Rinse Time

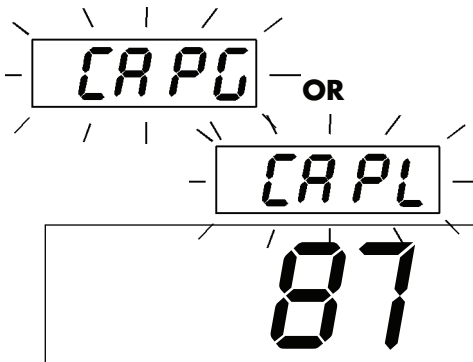
Press the "Status" key after programming the backwash time. The display will blink "br" for 3 seconds and then display the brine draw/slow rinse time in minutes. Adjust the setting with the "+" or "-" key. (35-99 minutes). See Table 5 for suggested brine draw/slow rinse times.



Note: This option will not show if the control is set to Filter mode.

Step 6 – Programming Gallons (Liters) or Days to Regeneration Meter Mode

Press the "Status" key after programming the brine draw/slow rinse time. The display will blink "CAPG" ("CAPL") for 3 seconds and then display the gallons or liters set point. Adjust the setting with the "+" or "-" key. (10-9990 Gallons)(40-37000 Liters)



Note: The programmed value must be multiplied by 10 to obtain the actual setting. For example, if 87 is shown in the display, the control will regenerate after 870 gallons have passed through the meter.

Timeclock Mode

Press the "Status" key after programming the brine draw/slow rinse time. The display will blink "CAP" for 3 seconds and then display the number of days between regenerations. Adjust the setting with the "+" or "-" key. (1-42 days)

Exiting Program Mode

From Step 6 (or step 7 if it is active) press the "Status" key. The display will go blank. Press the "Status" key again to exit programming.

Note: The control will exit the programming mode if no key press activity takes place within one minute.

Programming (cont.)