

# Programming the Electronic Demand Control


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# Electronic Demand

## Level #1 Programming Chart



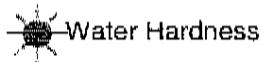
### Setting Control

Before entering Level #1, set the display to the current time by depressing the up or down Set button  to the correct time. **Note:** Be sure the time of day is set correctly to AM or PM.

 Push Program Button Once per Display

 Change Settings by Using Arrow Buttons

  To Enter Level #1 Push and Hold Program Button 5 Seconds

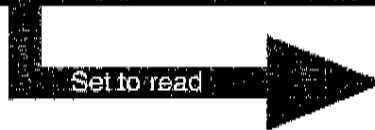


Water Hardness Set to read total compensated hardness in grains per gallon.

Example: 25 grains



| Total Compensated Hardness    |                                 |
|-------------------------------|---------------------------------|
| Hardness in grains per gallon | Example: 21                     |
| Iron in ppm x 4               | Hardness - 21 gr. + 6 (1.5 x 4) |
| Total Compensated Hardness    | Iron - 1.5 ppm = 27             |



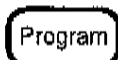
  Push Program Button



Regeneration Time Set to desired regeneration time

Example: 2:00 AM.



 Program

 Push Program Button to Exit Level #1

**Note:** System size and cycle times are preset at factory. If the power is interrupted and the battery fails, all the settings will be retained except for the current time.

# Electronic Demand

Dealer & Technician  
Copy

## Option Setting Level #1 Programming Chart

**Program** Push Program Button Once per Display



Change Settings by Using Arrow Buttons

**Program**

**Enter Level #1 Push and Hold Program Button 5 Seconds**



Water Hardness

Set to read total compensated hardness in grains per gallon.

Example: 25 grains



**Program**

**Push Program Button**



System Capacity

Set to read system regeneration capacity in kilograins

Set on 12  
(for Model 50)



Set on 18  
(for Model 75)



Set on 24  
(for Model 100)



Set on 36  
(for Model 150)



Set on 48  
(for Model 200)



Set on 60  
(for Model 250)



**Program**

**Push Program Button**



Regeneration Time

Set to desired regeneration time

Example: 2:00 AM.



**Program**

**Push Program Button**



Backwash

Set Backwash Cycle Time

Set for 8 Minutes



(Con't On Next Page)

# Electronic Demand

## Option Setting Level #1 Programming Chart



( Con't )

Program

Push Program Button



Brine/Rinse

Set Brine/Rinse Cycle Time

Set for 54 Minutes



Program

Push Program Button



Rapid Rinse

Set Rapid Rinse Cycle Time

Set for 6 Minutes



Program

Push Program Button



Tank Fill

Set Brine Refill Cycle Time

Set for 2.7 Minutes  
(for Model 50)



Set for 4.0 Minutes  
(for Model 75)



Set for 5.4 Minutes  
(for Model 100)



Set for 8.0 Minutes  
(for Model 150)



Set for 10.8 Minutes  
(for Model 200)



Set for 13.4 Minutes  
(for Model 250)



Program

Push Program Button To Exit Level #1

# Electronic Demand

## Option Setting Level #2 Programming Chart



**Program** Push Program Button Once per Display



Change Settings by Using Arrow Buttons

**Program** To Enter Level #1 Push and Hold Program Button 5 Seconds

**Extra Cycle** To Enter Level #2 Push and Hold Extra Cycle Button 5 Seconds



Displays Current Service Flow Rate  
Example: 4.5 Gallons Per Minute

**Program**

Push Program Button



Days Since Last Regeneration Display  
Example: 5 Days

**Program**

Push Program Button



Prior Service Volume Used Display  
Example: 947 Gallons

**Program**

Push Program Button



Displays Reserve Capacity  
Example: 315 Gallon Reserve

**Program**

Push Program Button



Displays Previous Day's Water Usage  
Example: 295 Gallons Used Yesterday

**Program**

Push Program Button

(Con't On Next Page)

These displays are used to aid the service tech in diagnosing the softener. These readings are not adjustable

# Electronic Demand

## Option Setting Level #2 Programming Chart



(Cont)

Set to this display only 



Regeneration Cycle Step # 5  
Canceled: Set to read "5 - - - OFF"

Can be set to override gallon setting. Example: If display is set to read "A - - - 6", the system will regenerate in 6 days regardless of volume used. Possible use of this setting could be for extended vacations or water with iron.

Program



Regeneration Day Override  
Example: Canceled

Program



Set to this display only 



Volume Override  
Canceled: Set to read "b - - - OFF"

Program



Set to this display only 



US Display Format  
Set to read "U - - - 1"

Program



Set to this display only 



Valve Type  
6700 Valve: Set to read "o - - - 2"

Program



Set to this display only 



Regeneration Type  
Meter Delayed: Set to read: "7 - - - 3"


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# Electronic Demand


## Option Setting Level #2 Programming Chart






(Con't)


Program 

  Flow Meter Size  
Std. 3/4" Meter: Set to read "F - - - 1"

Program 

  System Type  
Set to read "9 - - - 4"

Program 

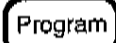
 Program Protection


Protection Canceled: Set to read "g - - - OFF"  
Protection Active: Set to read "g - - - On"

With Program Protection Active, the only Displays Available are:

| Level #1<br>(for viewing and setting) | Level #2<br>(for viewing only) |
|---------------------------------------|--------------------------------|
| Time of Day                           | Flow Rate                      |
| Water Hardness                        | Days Since Last Regeneration   |
| Time of Regeneration                  | Prior Service Volume           |
|                                       | Reserve Capacity               |
|                                       | Previous Days Water Usage      |

**Note:** The only way to enter full programming mode when Program Protection is "Active" is to hold Program button down **25 seconds**. This will erase all programmed data and the control will need to be reprogrammed, both Level #1 and Level #2.

Program 



Exit Level #2: Normal Operation is Resumed