Programming
the
Electronic
Demand
Control
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.

- **Program**: Push Program Button Once per Display
- **▼► ▲**: Change Settings by Using Arrow Buttons

**Total 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
- Iron - 1.5 ppm

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

Set to read

- **Program**: Push Program Button

- **Regeneration Time**: Set to desired regeneration time. Example: 2:00 AM.

**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

Option Setting Level #1 Programming Chart

**Program** Push Program Button Once per Display  
▼ ▲ Change Settings by Using Arrow Buttons

**Program**

- **Water Hardness**
  - Set to read total compensated hardness in grains per gallon.
  - Example: 25 grains

- **System Capacity**
  - Set to read system regeneration capacity in kilograins
  - Set on 12 (for Mode 50)
  - Set on 18 (for Mode 75)
  - Set on 24 (for Mode 100)
  - Set on 36 (for Mode 150)
  - Set on 48 (for Mode 200)
  - Set on 60 (for Mode 250)

- **Regeneration Time**
  - Set to desired regeneration time
  - Example: 2:00 AM.

- **Backwash**
  - Set Backwash Cycle Time
  - Set for 8 Minutes

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Electronic Demand
Option Setting Level #1 Programming Chart

(Cont.)

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
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 #2: Press and Hold Program Button 5 Seconds

Extra Cycle

To Enter Level #2: Press and Hold Extra Cycle Button 5 Seconds

Displays Current Service Flow Rate
Example: 4.5 Gallons Per Minute

Program

Rush 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

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Electronic Demand

Option Setting Level #2 Programming Chart

(Cont.)

Set to this display only

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

Program
Push Program Button

A - - OFF
Regeneration Day Override
Example: Canceled

Program
Push Program Button

Set to this display only

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

Program
Push Program Button

Set to this display only

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

Program
Push Program Button

Set to this display only

Valve Type
6700 Valve: Set to read "0 - - 2"

Program
Push Program Button

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

(Cont'd)

Set to this display only

Program
Push Program Button

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

System Type
Set to read “9 - - - 4”

Program
Push Program Button

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
(for viewing and setting)
Time of Day
Water Hardness
Time of Regeneration

Level #2
(for viewing only)
Flow Rate
Days Since Last 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.

Exit Level #2: Normal Operation is Resumed