Verify Settings:

1. Verify that **Hardness** and **Capacity** settings are set properly.

2. Verify that the display is working properly by pressing **Time Set Button**, until the correct time of day is displayed.

3. Verify that the turbine and turbine probe are functioning properly by turning on the water and noting that the **Flow Indicator** light on the display is flashing.

4. Press the **Regeneration Button** and allow timer to move into regeneration. After the **Regeneration Button** arrow has moved off **CONDITIONED WATER** position, advance arrow around to seven o'clock position and allow timer to return to **CONDITIONED WATER**. (Step 4 must be finished within 25 minutes to preserve data in memory.)

With all settings verified and test successfully completed, proceed to Test Mode.

Test Mode:

The test mode will allow information that is stored in the timer to be retrieved. This information includes:

- Number of days since last regeneration
- Average daily water usage
- Amount of water used since last regeneration

The locations at which the information is stored are given "addresses." The addresses that are of interest are:

4E Number of days since last regeneration.
3F and **3E** Average daily water usage.
2A and **29** Amount of water used since last regeneration.

To enter test mode:

1. Place the **Jumper** on the "**B**" pins inside the timer. The system is now in test mode; the display will show "00."
2. Press and hold the **Time Set Button**; display will count down, beginning from address "64." When the desired address location is reached, release the **Time Set Button**. Display will change to the "data" contained at that address. If you go past the address, simply pull the jumper off the "**B**" pins momentarily, place the jumper back on the "**B**" pins and start again.

The numbers (data) stored in the timer are in a computer format (hexadecimal) and must be converted to normal (decimal) numbers. This is done using the conversion chart on the reverse side of this instruction sheet.

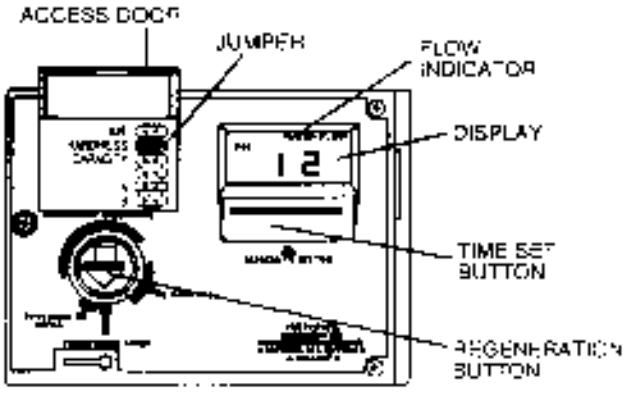
Example: Days since last regeneration

Location **4E** may contain the data 0A. Use conversion chart on the back to find it to be 10. Since location 4E contains the data signifying the number of days since the unit last regenerated, this would indicate that the system regenerated 10 days ago.

The data for "Average daily water usage" and the "Amount of water used since last regeneration" use two address locations each because the data may require more than the two digits that can be displayed at a time by the timer. To convert these data locations, the "data" must be retrieved and joined together **BEFORE** it is converted.

Example: Daily water usage
Location **3F** = "01" Location **3E** = "C5"

1. Join "01" and "C5" to get "01C5."
2. Drop the leading zero to get "1C5."
3. Look up "1C5" on table to get 453 gallons/day average daily water usage.



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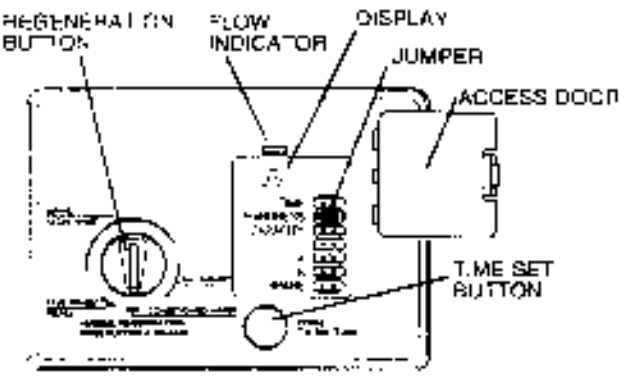

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HEXADECIMAL TO DECIMAL CONVERSION CHART