

Basic programming - Steps 6 to 10

To get you running quickly, WeatherSet Smart Timers are shipped to you with the following information already set into the Smart Timer as listed to the right. The hour setting may need adjustment from Pacific Time zone setting. If hour is not correct see Step 16.

6. AUTO/Run is the normal running position for the rotary switch See Figure 6.

The rotary switch is normally left in the **AUTO/Run** position. In this mode, the display will show progress for each valve as it waters. If no valve is watering, then the display scrolls information to show the current time and day; to show sensor alerts; to show scheduled programs; and to show which days each program will run.

7. OFF / Stop at 9 o'clock position in Figure 6.

7a) To stop watering, turn the rotary switch to **OFF / Stop** position and return it to **AUTO/Run**.

7b) To prevent all watering, turn the rotary switch to **OFF / Stop** position and leave it there.

7c) To resume normal automatic irrigation, rotate switch to **AUTO/Run** position and leave it there.

8. Assign Valves to Flower, Lawn, Shrub, LWU or Fixed program

Figure 7 shows the position of the rotary switch for assigning valves to different watering programs. Figure 7 shows that Valve#3 is assigned to the **Shrub™** program and has a Max Runtime of 40 Minutes. The display flashes the current watering program for the selected valve.

When the Smart Timer flashes information, it is asking you if you want to change it. You may leave it unchanged, or use the **MORE/YES** or **LESS/NO** switches to change the flashing information.

8a) **To go to the next or previous valve**, push and hold the **Next** or **Previous** switches to the left of the display.

8b) **To Assign the Valve to Flower™, Lawn™, Shrub™, LWU or Fixed programs**, push and hold the **NO** switch to see the available watering programs. When the flashing display reaches the choice that matches your plants for that valve, then release the **NO** switch. The display now flashes your new watering program for the valve.

The choices for self-adjusting (ET) watering programs are labeled **Flower™**, **Lawn™**, **Shrub™** and **LWU** (for California Native and California Friendly plants). A **Fixed** watering program is available for establishing a new lawn or for hanging baskets. See the *Explanation of Watering Programs* in Section 20 on the last page of this manual for a guide to assigning valves.

8c) If you cannot remember what plants are watered by a valve, please refer to either of the 2 worksheets entitled "Before you Disconnect your Old Timer" and "Programming Quick Start". On these sheets, you previously entered information on the plant type covered by each valve.

Or use the **MANUAL Watering** function of the Smart Timer as described in Step 13 of this manual to turn on a valve and see what plants are watered by that valve.

9. Set MAX Runtime for each valve at each Start Time. (Figure 9)

10a) To go to the next or previous valve, push and hold the **Next** or **Previous** switches.

10b) To change the maximum Runtime for a valve, push and hold the **MORE** or **LESS** switch to set desired Runtime. (0-255 minutes). Use **LESS** to quickly reach 255 minutes by passing 0.

The combination of Runtime and program assignment determine the total amount of water delivered each week. See the *Explanation of Watering Programs* in Section 20 for more discussion.

10. Stop Runoff-set Cycle Limit for each valve. (Figure 10)

11a) Rotate the switch to the **1,2,3... Minute Test** (see Figure 15). Push the **LESS** switch to set a test-time a long test of 127 Minutes. Watering will begin immediately on Valve #1.

11b) Use the **Next** or **Previous** switch to move to the valve that you want to test for runoff. Then, go to that area of your yard and watch until the water begins to runoff. Return to the controller to read the elapsed time. Divide that elapsed time in 1/2 for the Cycle Limit.

11c) Rotate the switch to the **Stop Runoff** position and use the **MORE** or **LESS** switch to set the cycle limit for the valve. The choices for cycle limit are 2, 4 6,8,10,15 or 20 minutes per hour or No Limit (=blanked display for Cycle Limit).

11d) Repeat these steps for each valve.

Runoff erodes hillsides. Runoff wastes water. Runoff contaminates our drinking water as pesticides, herbicides and other chemicals are carried from your yard into storm drains. Runoff is also harmful to the plants because runoff indicates that water is not penetrating the soil as deeply as needed for healthy plants. This step is one of the most important and useful programming steps for healthier lawns and cleaner ground water, streams and oceans.

End of Basic Programming. Rotate switch to AUTO/Run position.

The Smart Timer is shipped to you with the following settings:

- Correct time (year, month, date & day of week)
 - ALL days ALLOWED for use by Smart Timer
 - all valves set to limit watering to 4 minutes/hr
 - all Start times set for 3:00am
 - all Runtimes for valves set for 8 minutes
 - all valves assigned to the **Lawn™** program
- Of course, all these may be changed. **The last 2 settings will definitely need changing.**

Figure 6: AUTO/Run selected by rotary switch.



Figure 8: Assign Valves to Flower™, Lawn™, Shrub™, LWU or Fixed programs selected by rotary switch. Display shows that Valve 3 is assigned to **Shrub™** program. Also shown are the Water Days for the program under current weather.



Figure 9: Set MAX Runtime is selected by rotary switch. Display shows that MAX Runtime is set to 40 Minutes for Valve#3. Any Runtime from 0 to 255 may be set.



Figure 10: Stop RUNOFF is selected by rotary switch. Display shows that MAX Runtime of 40 minutes is limited to 8 minutes cycles each hour. So, five hours will be required to deliver 40 minutes of water each watering day.

