

Programming Quick Start

for Smart Timer ST8R and ST12R



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Sprinkler Checklist

www.weatherset.com/SprinklerCheckList.html

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Only 3 simple programming steps are required for most installations because many of the routine settings of the Smart Timer are already set for you. These routine settings are

- correct Year, Month and day of month (*Step 15 in Detailed Manual*)
- Start Time in each program set at 3 am (*Step 12 in Detailed Manual*)
- Most significantly,

Stop RUNOFF-Set Cycle Limit set at 4 minutes per hour for each valve. So, as you increase the MAX Runtime for any valve above 4 minutes, the controller will spread the extra minutes over additional hours. The Cycle Limit automatically breaks long runtimes into shorter cycles so that the water has time to penetrate the ground rather the runoff into street, streams and drinking water of our city. (*Step 10 in Detailed Manual*)

Step 1: Rotate main switch to **Assign Valves to Flower, Lawn, Shrub, LWU (low water usage) or Fixed programs** as shown in Figure 1.

Put California Friendly and California Native plants in the LWU program. (www.weatherset.com/Explain/CalNative/ for more discussion) For other plants, put shallow-rooted plants in the Flowers™ program, deeper-rooted plants in the Lawn™ program and deepest rooted plants in the Shrub™ program. (*Step 20 in Detailed Manual explains these programs.*)

Step 2: Rotate main switch to **Set MAX Runtime** as shown in Figure 2. Push and hold the **MORE** and **LESS** switches to the right of the display to change the minutes of watering for each valve. As a good starting point, use the minutes for each valve that was in your old controller. This setting determines the Maximum number of minutes that the controller will run a valve for each Start Time on each watering day. (*Step 9 in Detailed Manual*)

The Smart Timer will make adjustments in the Runtime as the weather changes a little. For large changes in weather, the Smart Timer will adjust the number of watering days per for each program.

Step 3: Watch your landscape for a few weeks after installing the smart timer and adjust **MAX Runtime** for more or less minutes depending on the needs of landscape. During the first hot spell, you may need to make additional adjustments to tune the settings of the controller.

After these initial adjustments of the watering program, this smart, self-adjusting, weather-based sprinkler timer will create healthier and stronger gardens with automatic water conservation.

Note: A new and easier way of thinking about watering. This Smart Timer *picks the watering days for you* based on the weather. You only need to pick the “more, few and fewest days per week adjustment” of Flower™, Lawn™ and Shrub™. The Flower™ program will water more days each week for shallow-rooted plants than the Lawn™ program which will water more days each week than the Shrub™ program for the deepest-rooted plants. Initially, you should leave the ALLOWED days (*Step 11 in Detailed Manual*) at the factory setting which *allows* every day.

Enjoy your new Smart Timer.

Figure 1: 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. The Smart Timer will automatically change these days for each program as the weather changes.

To move to a different valve, push and hold the NEXT or PREVIOUS switches to the left of the display

To change program assignment, push and hold the NO switch to the right of the display to see choices. (*Step 8 in Detailed Manual*)



NOTE: Another new way of thinking and watering for some gardeners is to water less often and more deeply. This watering method encourages the roots to grow more deeply, thus creating a stronger and healthier plant. The Flower™, Lawn™, Shrub™ and LWU programs give you easy access to this more effective watering method.

Figure 2: Set MAX Runtime is selected by rotary switch. Display shows that MAX Runtime for Valve#3 is set to 40 Minutes. Any Runtime from 0 to 255 may be set for each valve.

To move to a different valve, push and hold the NEXT or PREVIOUS switches to the left of the display

To change MAX Runtime, push and hold the MORE or LESS switches to the right of the display to see choices. (*Step 9 in Detailed Manual*)



