

15. Set Time

Rotate the switch to the Set Time position. The display will flash the minutes and show the number 1.

16a) Use the Next or Previous switches to the left of the display to move to other units of time as shown in the following chart.

Displayed number	Flashing	Unit of Time
1		Minutes
2	-----	Hours
3		Day of the Week
4	-----	Year
5		Month
6	-----	Day of the Month

16b) To change the flashing time, use the MORE or LESS switches. Note: Changing the Month will effect the Runtimes for valves in the Flowers™ and Lawn™ programs because under the same weather conditions, plants growing the spring have different water needs than the same plants growing during other seasons.

16. Show History

Rotate the switch to the Show History position.

17a) Use the Next or Previous switches to the left of the display to move to other units of time as shown in the following chart.

Displayed number	Displayed Information
1	Solar Intensity
2	Averaged SunFall™
3	SunFall™ accumulated today
4	SunFall™ accumulated yesterday
5	SunFall™ accumulated 2 days ago
6	SunFall™ accumulated 3 days ago
7	SunFall™ accumulated 4 days ago

17b) To change SF numbers, use the MORE or LESS switches when number 4, 5, 6 or 7 is displayed. This step will change the SunFall™ in all registers in one simple step. Over four days, these settings will be over written by actual measurements.

20. Explanation of Watering Programs

Our SunFall™ sensor continuously measures the sunshine on your property. Sunshine robs water from your landscape. Our controllers use SunFall™ measurements to automatically adjust irrigation to changes in weather...rain or shine. This self-adjusting, weather-based sprinkler timing is shown in the graph below.

The following chart summarizes the behavior of each program

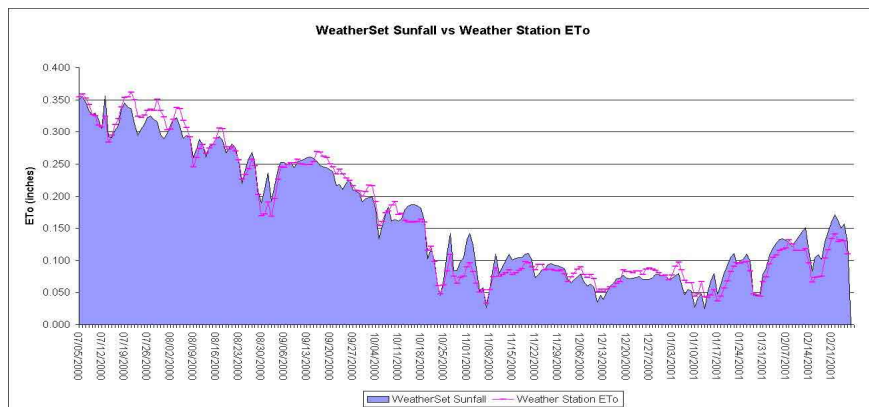
Program Names	Watering Days	MAX Runtimes
Lawn™, Flower™ and Shrub™	Self-Adjusting (weekly)	Self-Adjusting
LWU	Self-Adjusting (interval)	Fixed
FIXED	Fixed	Fixed

Our adaptive proprietary Flower™, Lawn™ and Shrub™ programs automatically adjust irrigation for plants & valves which need watering on a weekly schedule. Flower™, Lawn™ and Shrub™ programs may be thought of as programs for shallow, medium and deep rooted plants. Since shallow-rooted plants dry more quickly, under any SunFall™ condition, WeatherSet sprinkler timers will water shallow-rooted the Flower™ program/plants more days per week than the deeper rooted the Lawn™ program/plants. The Shrub™ program/plants will have the fewest watering days per week. The specific watering days under the present SunFall™ conditions are shown for each program when the rotary switch is in the AUTO/Run position. If some of these programs are not displayed, then no valves are assigned to those programs.

LWU watering program is for California Native and California Friendly plants which need very little water in the summer and expect winter rains. LWU means Low-Water-Usage. In the summer as SunFall™ measurements drop, the days-between-waterings are increased and Runtimes for the valves are held constant. In the fall, the repeat interval and the Runtime are reduced to begin to pulse the California Native plants with water like the winter rains. If the rain sensor detects rain, then accumulation of SunFall is zeroed and begin to count again. So repeating rains will block LWU watering. See our web site link "www.weatherset.com/Explain/CalNatives" for more explanation.

As SunFall™ measurements change, WeatherSet controllers adjust irrigation to prevent over watering on cloudy days and to prevent under watering on sunny days. This adaptive adjustment of irrigation creates healthier soil conditions and healthier plants while conserving water.

The FIXED watering program is for establishing newly planted lawns. The FIXED program will water on a rigid schedule and will NOT adjust with changes in the weather. *** END ***



Shaded graph is watering by WeatherSet Controller. It follows closely the jagged line of ET (weather data) from a state maintained weather station.

To extend SFR sensor cable

Purchase Cat3 cable called Telephone wire that is rated CMR/CMX (=Indoor/Outdoor rating) from Home Depot or other store. Each Smart Timer comes with four special water-resistant connectors for extending the SFR cable. Use these connectors to splice together the SFR cable and Category 3 cable that you have bought.

Required items if sensor is more than 25 feet from controller

- ___ Cat3 cable CMR/CMX=INDOOR/OUTDOOR
- ___ Cable staples to secure SFR wire from wind.

Additional items for new installation

- ___ 18AWG sprinkler cable long enough to reach valves
- ___ Grease caps for wire connections (2 for each valve) or soldering iron instead of grease caps