

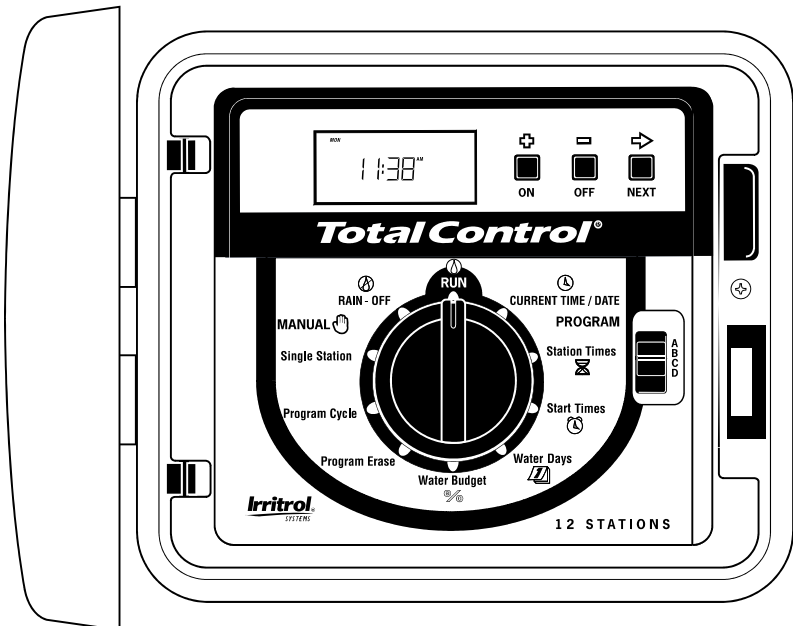
Product FAQ: Total Control

Q. - My Controller runs its normal cycle then starts all over and repeats the cycle again?

A. - This occurs when more than one start time is used. Most commonly because of a misunderstanding that each Zone needed its own start time. The Total Control is particularly confusing due to the *16 separate starts times available.

These start times are not associated with the number of valves you have. But are offered to allow you to run 16 starts on a single program or 8 per Two programs or 4 per Four programs or any combination desired. Start Times are for your programs (A, B, C, D). For example, if all of your valves are assigned to one

program (A), then they will each run once for every Start Time you give to program A. If you set Start Time 1 in program A they will each run once, if you set Start Time 2 in program A, then they will each run twice. Remember that the valves will not all activate at the Start Times you have set, zone 1 will come on first, then when it has completed its run, zone 2 will run, then zone 3, etc. If your controller runs longer than expected, the other possibility is that the controller was set to run for 10 Hours (10:00) rather than 10 minutes (00:10) in the zone Run Time.



Q. - What is the difference between "Start Time" and "Run Time" on my timer?

A. - A sprinkler timer generally requires 3 important settings before it will operate: Start Time, Run Time, and Days to Water. Since they are all necessary, let's look at all three.

* **Start Time** refers to the time of day that the sprinklers will begin watering. Start times tell the timer at what time of day start each watering program, rather than

how long to run each sprinkler zone. The timer will run each zone sequentially, one after the other, at each start time, and for the duration you have specified. When one zone is finished, the next one will start. This is called a complete Cycle. The Start Time is the point in time that the Cycle starts. If you want the same series of valves to run more than once in the same 24 hour period, you must assign a second start time to that program.

***Run Time** is the length of time that each zone will run. Run times are assigned to each program. They tell the timer how long to run each zone. Different timers will allow slightly different run times, but all of them will be set in terms of minutes.

*** Days to Water** refer to the days of the week that your system will run. Some timers enable you to choose specific days of the week, such as Monday/ Wednesday/ Friday, while with others you choose Every Day/ Every Other Day/ Every Third Day, etc.

To sum it all up, on the programmed Days to Water, at the programmed Start Time, the timer will start a watering Cycle, running each programmed zone for its appropriate Run Time.

Q. - My Controller Runs more than one cycle but only has one start time.

A. - The Total control has Four Programs A, B, C, & D. By design they are to be used for separate areas of your property that may require different watering schedules. An Example would be A is for your lawn valves that need watered four days a week. B is for Shrubs that need watered twice weekly. C is for Drip Irrigation that only need watered once every 10 days. Assigning runtimes to the specific valve for the specific watering need, along with a "Start Time" and a "Watering Days" Schedule will fulfill the "Three required Protocols required to "Activate" the Program.

Note A: These programs are not normally used for the Seasons of the year, Spring, Summer, Fall, & Winter.

Note B: The Controller does not have to left in the Specific Program Position (ABCD) to run or bypass a Program. Once the three protocols are inputted the Controller will run according to the programmed settings. Remove any one of the protocols to make the program "Inactive".

Q. - Why does the controller displays short on all stations?

A. – If you are using a master valve or pump start relay, the input amperage of the Solenoid or Relay is higher than the controller output. If you are not using the master valve/pump start output, there could be a direct short in the field wires or the controller circuit board has a short.

Q. - Why does the controller run longer than the Run Time I programmed?

A. – The Total Control allows you to alter the run time using the Season Adjust feature. If it is set to 100% then the valve will run exactly as programmed. If it is set above or below 100% the controller will adjust the run time accordingly. An example would be a 10 minute run time set to 80% runs 8 minutes, setting it to 150% will result in a 15 minute run time. The benefit in this feature allows you to set a standard (spring) run time, and increase the season adjust percentage for Hotter weather (above 100%) or Cooler weather (below 100%) instead of having to set each station individually.

Q. - I have power outages often in my area, and when I come home, I have to re-program it all over again. Shouldn't it hold the program in memory?

A. – The Program in the Total Control timer is held in a Microchip that retains it for Five years. The battery back-up maintains the current time during a power outage. Check behind the front panel of the timer (there is usually an access panel) where you should find connections for 9 volt battery. (a new battery should be changed once a year).

Q. - My sprinklers don't shut off. When I go turn off the main valve, and then turn it back on they remain off. Can you help?

A. - The next time the zone will not shut down, unplug your timer. If the watering stops, you have a problem with your timer and should have it checked or replaced. If after the timer is unplugged the sprinklers continue to run, you may have a stuck valve.