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## **STERLING CONTROLLER FAQ**

**1) What does it mean when the display alternately flashes “Fuse” and one or more numbers?**

This message indicates that the controller encountered a short during a watering cycle. The station number where the short occurred is the number shown in the message. The cause of the short is most likely a shorted solenoid coil or bare wires touching each other.

To clear the “Fuse” message, turn the dial to any position other than AUTO and press the **CLEAR** key. The cause of the short must be corrected or the message will appear again during the next watering cycle.

**2) What does it mean when the display shows “Fuse” with no number?**

This is caused by a transient surge that has spiked the line. To clear the message, turn the dial to any position other than AUTO and press the **CLEAR** key.

**3) What does it mean when the display shows “OF” and a number and no stations will operate automatically or manually?**

This happens when the Programmable Rain-Off feature is utilized. By turning the dial to the RAIN-OFF position and keying in a number from 1 to 14 then pressing **ENTER**, operation is suspended for the number of days that were entered. The number currently appearing on the display represents how many more days before operation will resume. To cancel the suspension, turn the dial to RAIN-OFF, and press **0**, then press **ENTER**. Return the dial to AUTO.

**4) One of my valves continues to stay on. None of the station lights are on. What is causing the valve to stay on?**

The likely cause is a stuck valve. To verify this, remove the AC power to the controller. If the valve continues to stay on, there is 100% certainty that the problem is with the valve, not the controller.

**5) One of my valves has been on for hours and will not advance to the next station. The station light is on. What is the problem?**

The likely cause is that the time is set to run in hours instead of minutes. To verify, turn the dial to the program in operation. Next, key in the station number and then press the **STN WATER TIME** key. IF, for example, the display shows the water time as 8:00, the run time is set for eight hours instead of eight minutes (which would be displayed as :08).

**6) Why is there a long beep when I move the dial from a program position?**

This means that programming is incomplete and the program will not operate automatically. Return the dial to the program position and complete programming. In addition to assigning one or more stations to the program, you must enter at least one cycle-state time and at least one watering day.

**7) When attempting to add more watering days to a program, I get an “Error” (error) message. Why?**

If you attempt to add a watering day that exceeds the calendar length, an error message appears on the display. For example, if the 7 day calendar is changed to a 2 day calendar (to accommodate every other day watering) you can only assign days 1 and 2 as watering days. The error message usually occurs when the person attempting to add days is unaware that the calendar has been changed from a 7 day calendar. To see the calendar length, turn the dial to the PROGRAM ERASE/CALENDAR position. IF the display shows **PE: 2**, then the calendar length is 2 days. To change the calendar length to 7 days, key in 7 then press **ENTER**. The display will then flash **PE: 7** to indicate that the calendar length has been changed to 7 days.

**8) How do I change the current time of day that is displayed when dial is in AUTO?**

Turn the dial to any program number and key in the current time (if PM press **PM** key) then press **TIME** key. Return dial to AUTO position and the correct time will appear on the display.

**9) How can I determine what stations are included in a program and the watering duration of each station?**

Turn the dial to the desired program. Press the **STN WATER TIME** key. The number that appears on the display is the combined watering duration for all stations assigned to the program. Next, press the **STN WATER TIME** key a second time. The display will scroll thru all assigned stations in sequence first showing the station number followed by the station watering duration.

To view the watering duration of a particular station, key in the station number then press **STN WATER TIME** key and the station watering duration will appear. If no station watering time appears, then that station has not been assigned to the program.

**10) How can I determine what the cycle start time is for a program?**

Turn the dial to the desired program and press **CYCLE START** key. The controller will display in sequence all programmed cycle starts, first showing the cycle start number followed by the cycle start time, and then the cycle end time.

**11) When I checked the cycle start time for a program by pressing the CYCLE START key it showed two cycle start times, but I only assigned one cycle start. How is this possible?**

The first time that appeared on the display is the cycle start time. The second time that appeared on the display is the cycle end time, not a second start time.

**12) How can I check what water days are assigned to a program?**

Turn the dial to the desired program and press the **WATER DAY** key. The display will scroll the water days as "On" days.

**13) How do I delete a water day?**

Turn the dial to the desired program and key in the day you want to delete, then press the **SKIP DAY** key.

**14) How do I change the watering duration of a station?**

Turn the dial to the desired program. Key in the station number and press the **STN WATER TIME** key. Next, key in the desired watering duration and press **ENTER**.

**15) How do I delete a station from a program?**

Turn the knob to the desired program. Key in the station number and press the **STN WATER TIME** key. Next, key in 0 and press **ENTER**.

**16) I have watering set for Monday, Wednesday, and Friday but it's watering on Tuesday, Thursday, and Saturday. What's wrong?**

**TODAY** is set on the wrong day. To set on the correct day, turn the dial to any program and key in the current day (1=SUN, 2=MON, 3=TUE, etc) and then press the **TODAY** key.

**17) I programmed a loop cycle to begin at 8:00AM and end at 6:00PM. After completing the programming steps at 1:00PM, I returned the knob to AUTO and expected the cycle to start. Why didn't it start?**

The program will not start automatically until the next scheduled start time which is 8:00AM the following day. However, the program can be started semi-automatically at any time by turning the knob to the loop program, keying in the lowest numbered station assigned to the program and then pressing the **MANUAL ON/OFF** key. The program will operate until the end of the loop and then shut off automatically.

**18) I programmed a loop cycle with all stations set to water for 10 seconds. However, during a cycle each station runs for 6 seconds then shuts off for 4 seconds before the next station turns on. Why is this?**

The controller has a feature enabling you to set a delay of 1 to 59 seconds between the time one station shuts off and the next station turns on. The delay time is subtracted from the previous station's runtime. If a 4 second delay is scheduled, and the previous station is set to water for 10 seconds, the station would run for 6 seconds and then shut off for 4 seconds before the next station turns on. Had all of the stations been set to water for 14 seconds, then each station would actually run for 10 seconds then shut off for 4 seconds before the next station turns on.

To eliminate the delay, turn the dial to the loop program, key in 0 then press the **STN WATER TIME** key. Next, key in 0 then press **ENTER**.

**19) How do I change the delay between watering cycles in my loop program?**

Turn the dial to the loop program. Next, key in 90 then press the **STN WATER TIME** key. Next, key in the desired delay time (1 min to 4 hrs, 15 min), then press **ENTER**.

**20) How do I change the start time and end time of my loop program?**

Turn the dial to the loop program. To change the start time of the loop, press **9** then press the **CYCLE START** key. Next, key in the desired start time then press **ENTER**. To change the end time of the loop, press **0** then press the **CYCLE START** key. Next, key in the desired end time (followed by **PM** key if applicable) then press **ENTER**.

**21) Does the dial need to be in the AUTO position in order for the programs to operate automatically?**

No. Automatic operation will occur with the dial set in any position other than RAIN-OFF. The only exception is when Option 0 is enabled. This option gives you the flexibility of having two or more programs set, but limiting automatic operation to only that program at which the dial is set. If the dial is moved to AUTO then all programs are allowed to operate automatically.

**22) When I try to enter 10 minutes of watering, the display shows a different time. What's wrong?**

The Water Budgeting feature is set at other than 100%. If, for example, the Water Budget is set at 50% and you entered 10 minutes of water time for a station, the display would show 5 minutes. To change Water Budget to 100%, turn the dial to the desired program then press the **%/PM** key. Next, key in 100 then press **ENTER**.