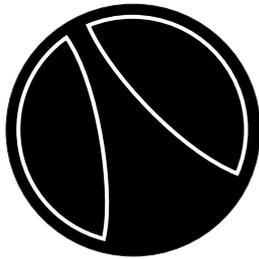
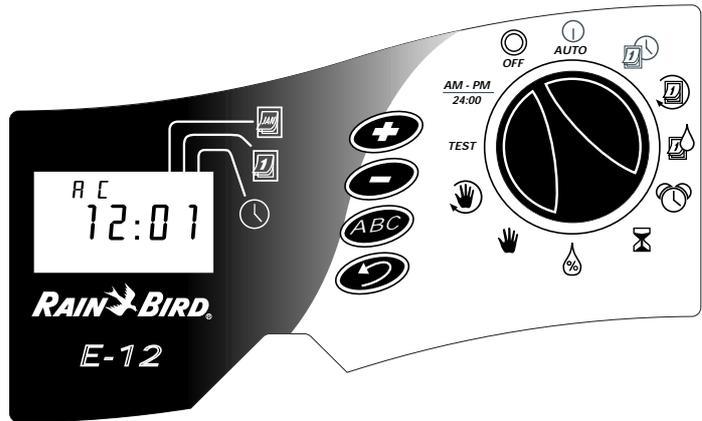


# Rain Bird E Class Series

## PROGRAMMING

-  PLUS (add)
-  MOINS (subtract)
-  SELECT PROGRAM
-  ENTER



PROGRAMMING DIAL

 SET MONTH

 SET DATE

 SET TIME

 OFF

 AUTOMATIC MODE

 DATE/TIME

 DAY CYCLE

 WATER DAY

 START TIME

 STATION RUN TIME

 WATER BUDGET

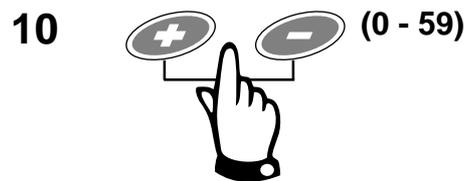
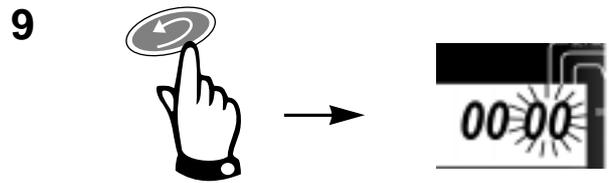
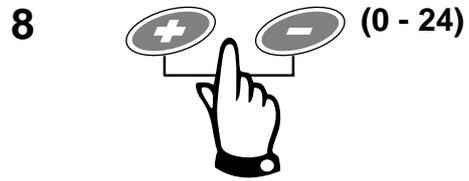
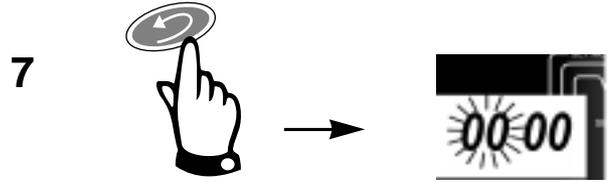
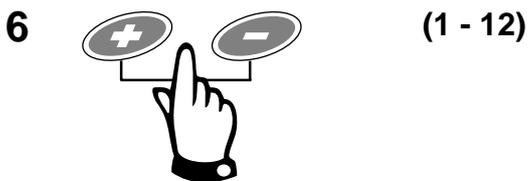
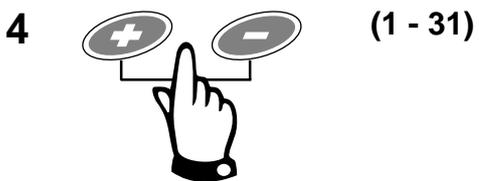
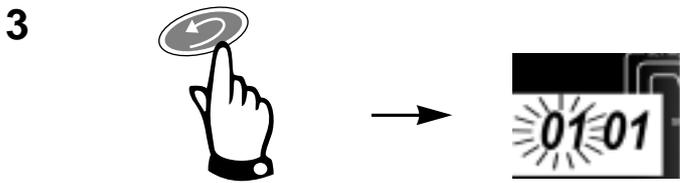
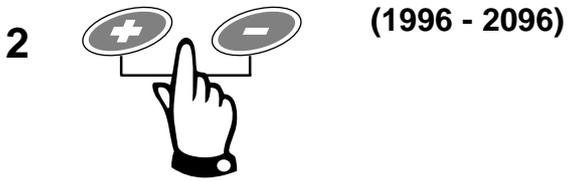
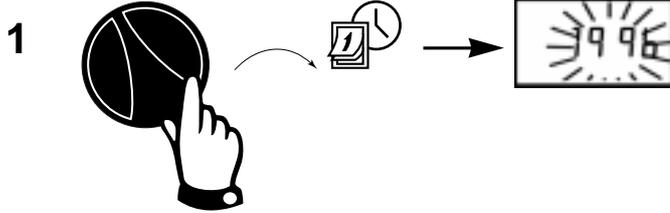
 MANUAL STATION(S) START

 MANUAL PROGRAM (CYCLE) START

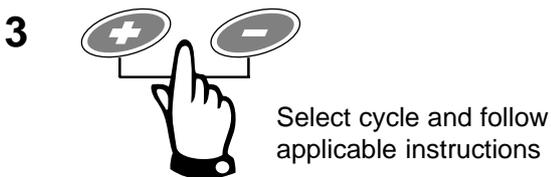
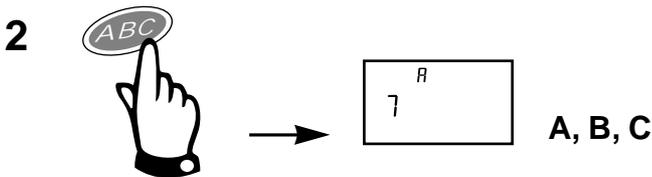
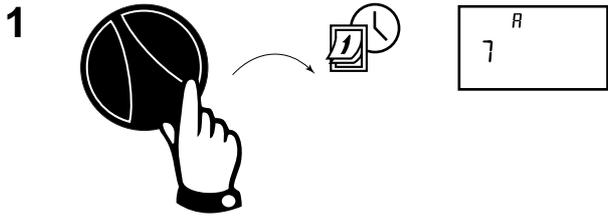
**TEST** TEST PROGRAM

*AM - PM*  
24:00 TIME/DATE DISPLAY OPTION (not used)

# I SET YEAR, DATE, AND TIME



## II SET REPEATING DAY CYCLE



The available day cycle include :

**3.1** - 7-day weekly cycle

**3.2** - 1-day through 6-day cycle

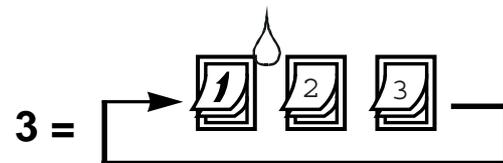
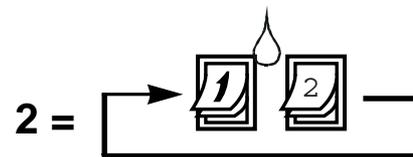
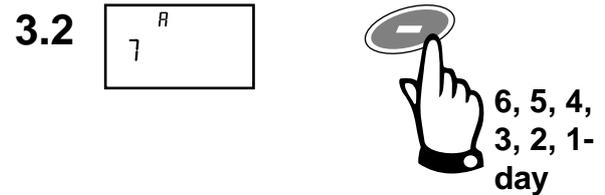
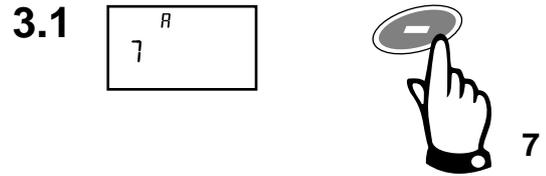
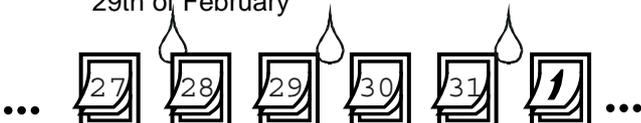
**3.3** - EV = Water on Even dates



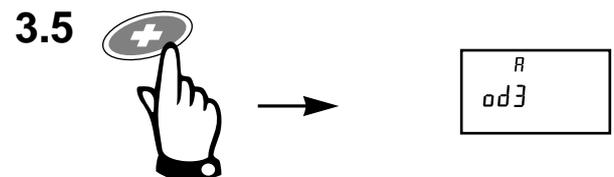
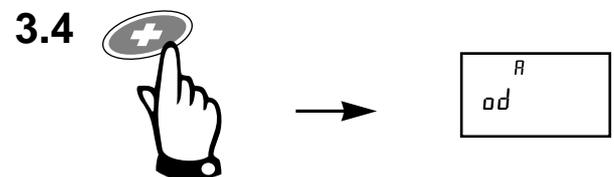
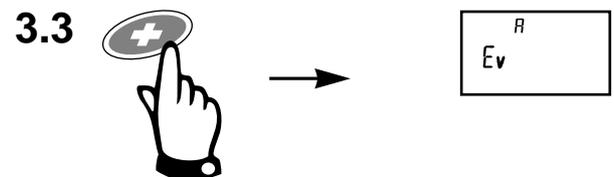
**3.4** - OD = Water on Odd dates



**3.5** - OD31 = Water only on odd-numbered dates, except on the 31st of any month and 29th of February



**4 = ...**

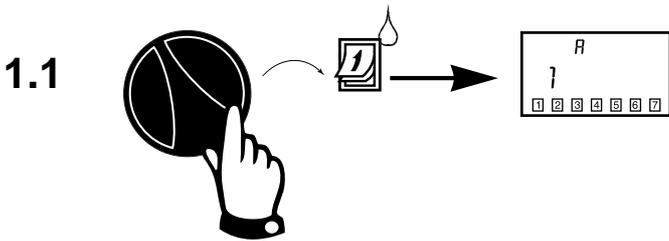


Note : If you selected "EV", "OD" or "OD31" as day cycle, go to step 4

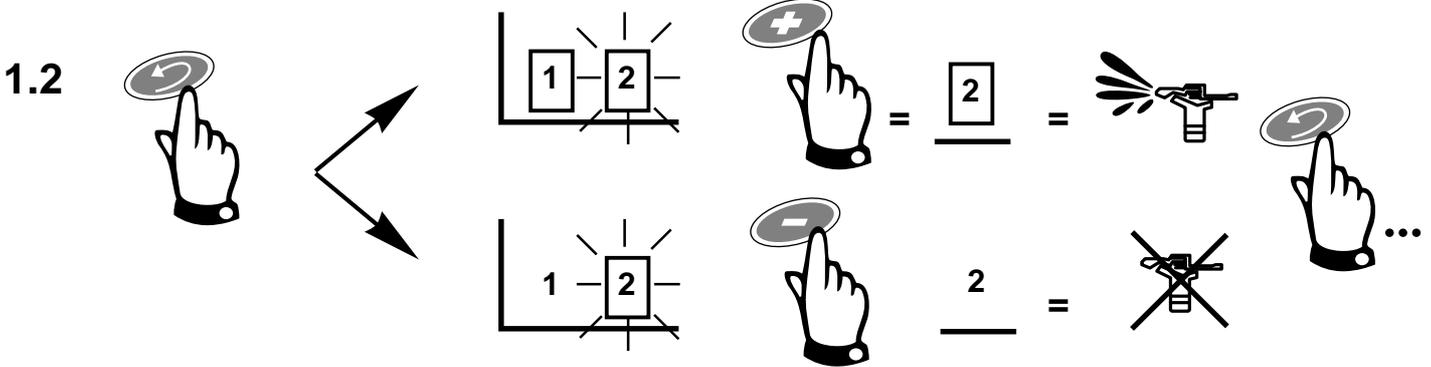
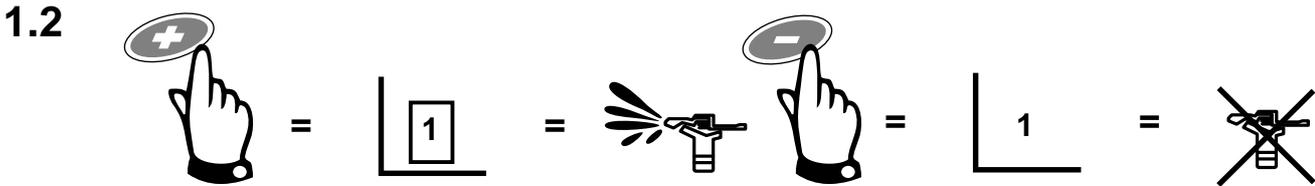
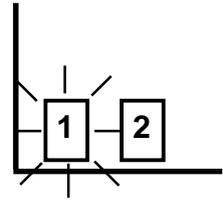
### III SET WATERING DAY(S)



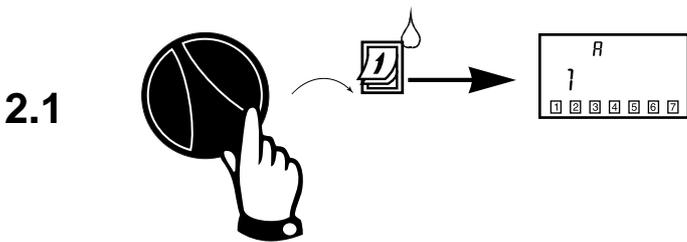
#### 1 Seven Day Weekly Cycle



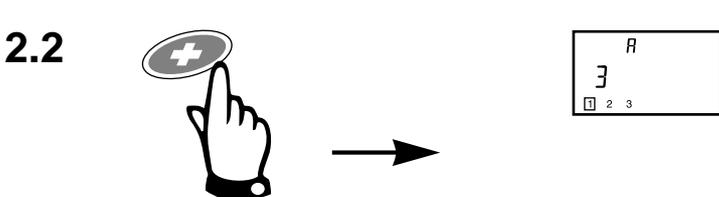
The program appears with today's number. The Seven weekdays are displayed as a row of numbers. For example Monday is # 1, Tuesday is # 2, etc.



#### 2 1-Day through 6-Day Cycle

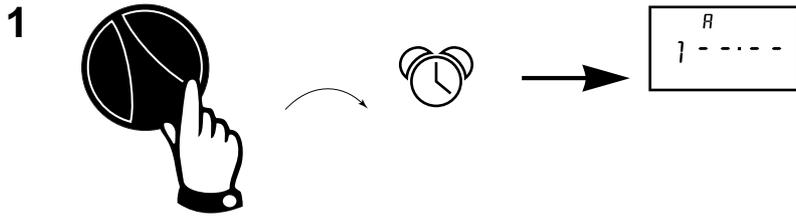


In the 1-day through 6-day cycles the only Water day is always Day#1 (shown in its square).

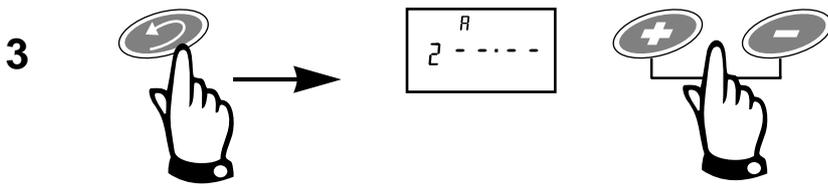


Use to set the "Today" number. In this example, the "Today" number was set to Day 3. Tomorrow, Day 1, will be Water Day as the cycle starts over.

## IV SET WATERING START TIMES



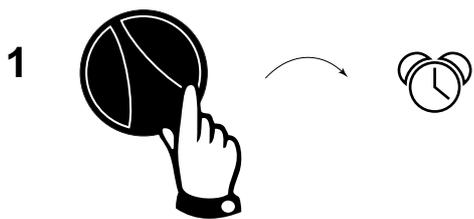
The program (A, B or C) and "1" for Program Start Time One appear.



You can repeat steps 2 and 3 for up to 6 separate times per program.

NOTE : Remember, if you want all the stations on the program to run only once each watering day, enter only one start time for the program.

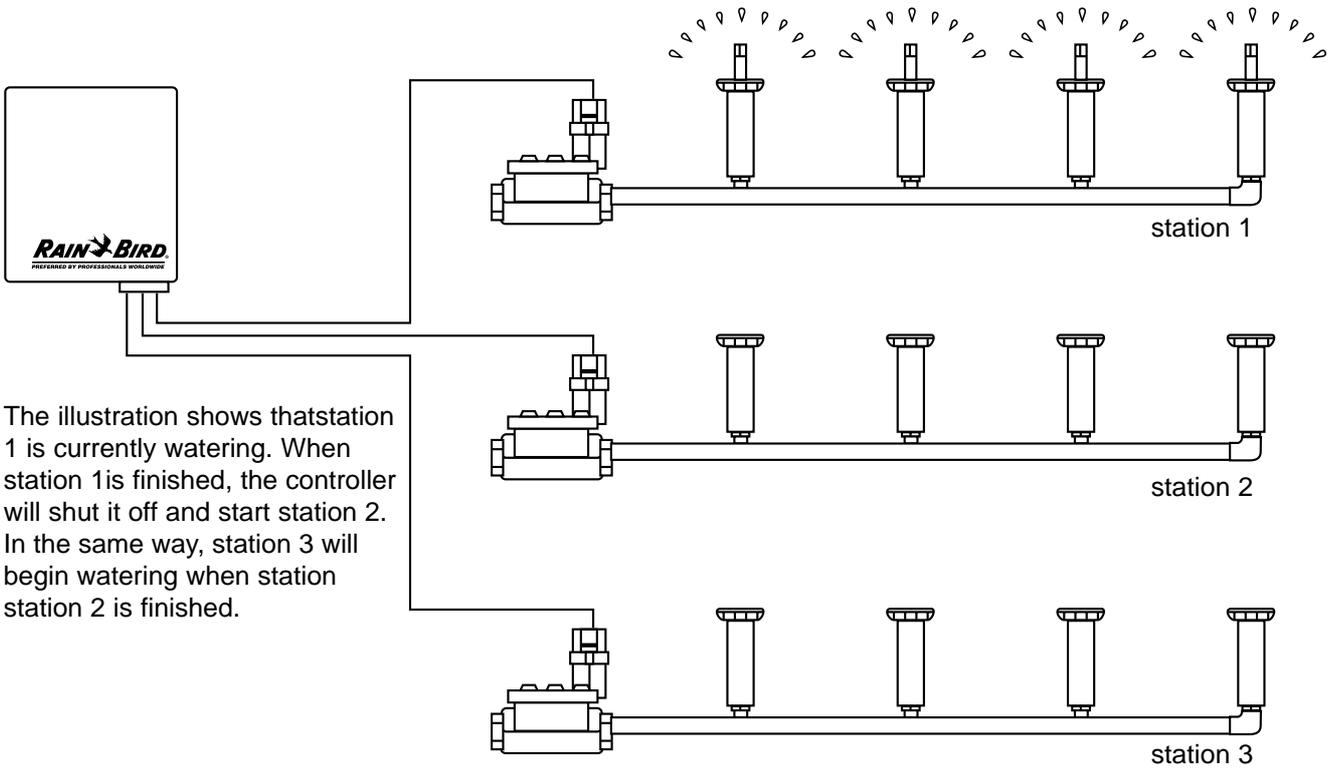
## DELETE START TIME

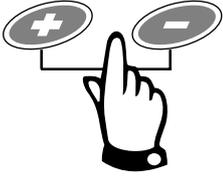


Move the start time to the blank screen just before midnight. 23:59 at 00:00.



# V SET STATION RUN TIMES



- 1**     / = Station 1 (for program A in this example)
- 2**  **0:00** = (station off)  **4:00** = (4 hours)
- 3**    **2** = Station 2   ...
- 4**    **AUTO** Programming is now complete. If you wish to enter settings for another program  Repeat steps II to V.

## VI ADJUST WATER BUDGET PERCENTAGE

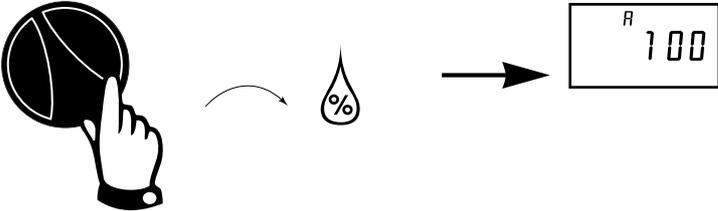
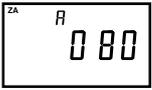
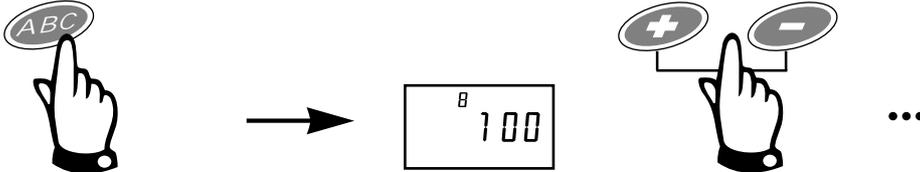
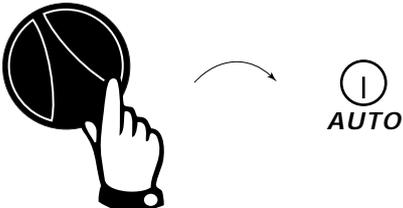


You can set the percentage from 0% (entire program OFF) up to 200% (double each station's running time length) in increments of 10%. Each program (A, B, C) can have a different water budget percentage. 100% = 100% of the programmed run time.

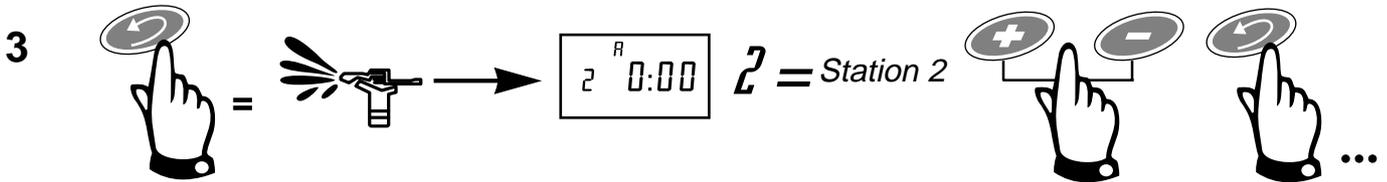
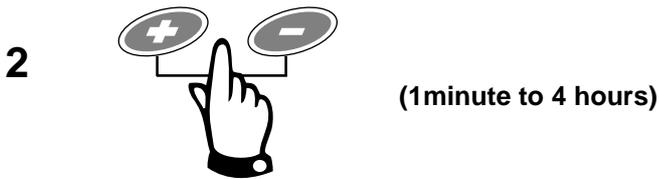
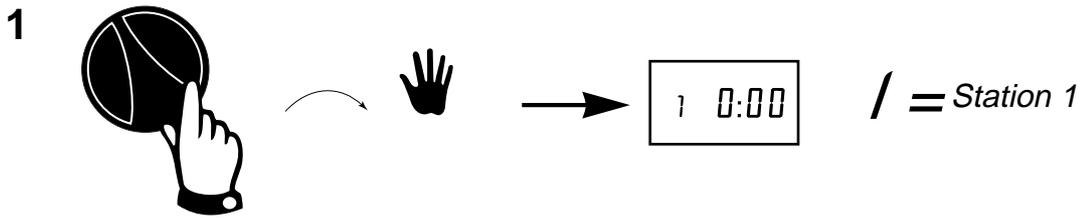
Water budget percentages are calculated on the normal programmed run times for all the stations on the program. For example, if a station is programmed to run for 10 minutes, and you set the water budget to 80%, the station will run for 8 minutes (80% of 10). If you set the water budget to 120%, the same station will run for 12 minutes (120% of 10).

The water budget feature can be useful for decreasing watering during cool winter months, or for increasing watering during hot weather.

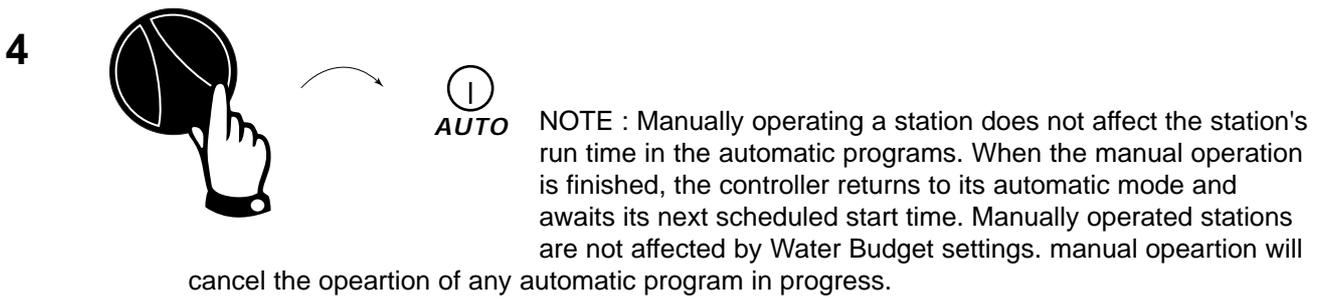
Water Budget "rounds up" to the nearest minute.

- 1 
- 2  Example 
- 3 
- 4 To cancel Water Budget, set the % to 100%.
- 5 

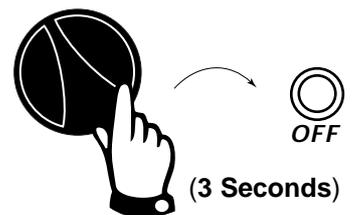
## VII MANUALLY OPERATE STATION(S)



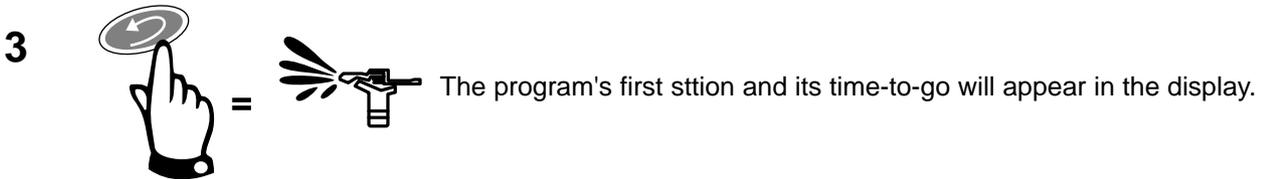
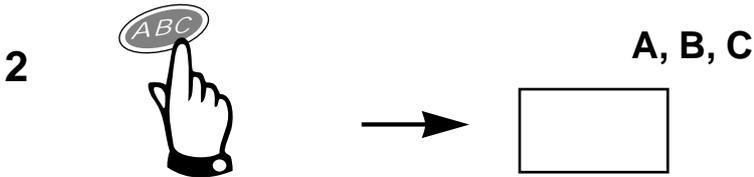
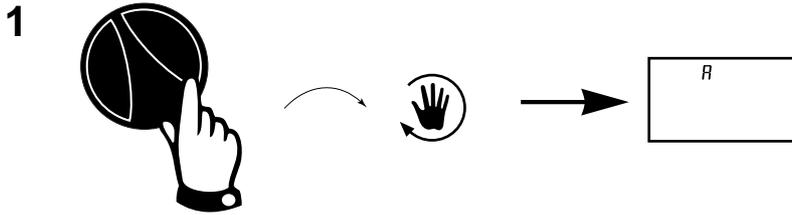
 Repeatedly to move to the station(s) you want to start. You can "Stack" several station to operate manually. Do not forget to set a run time for each with  



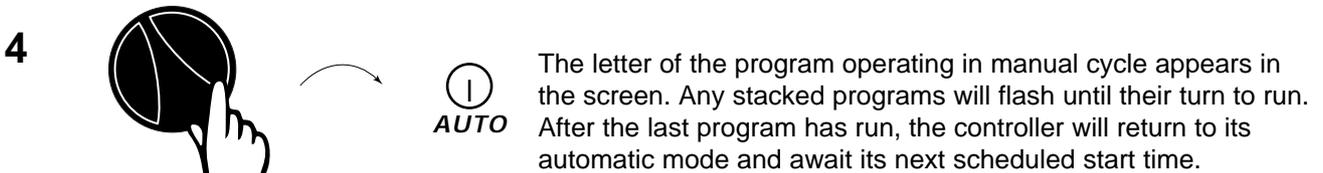
### 4 STOP MANUALLY STARTED STATIONS



## VIII MANUALLY OPERATE PROGRAM(S)

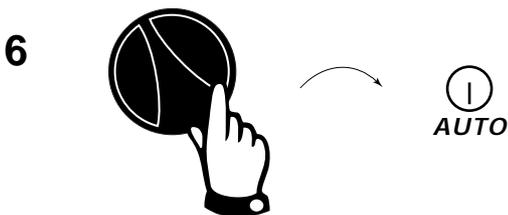
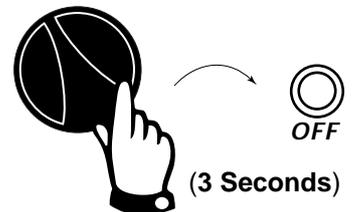


NOTE : You can "Stack" 2 or 3 programs to operate manually by  after you select each program.

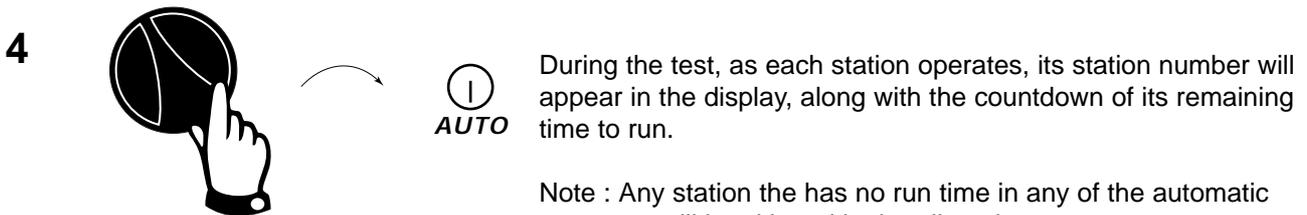
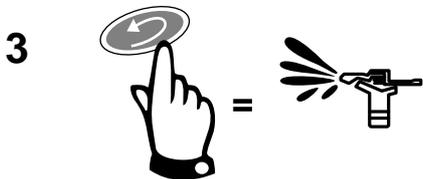
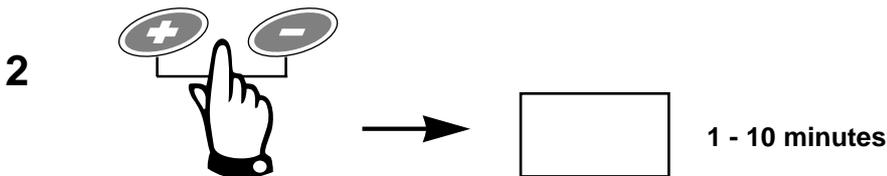
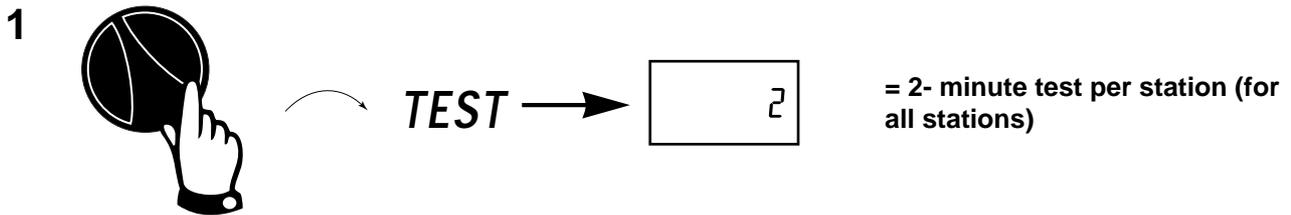


Note : Manually operated programs are affected by water budget settings.

## 5 STOP MANUALLY STARTED PROGRAMS



## IX RUN TEST PROGRAM *TEST*



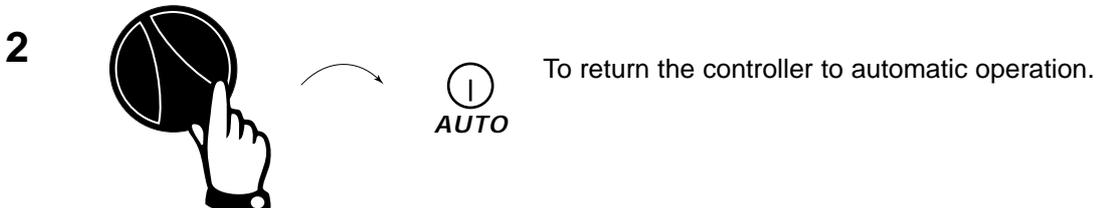
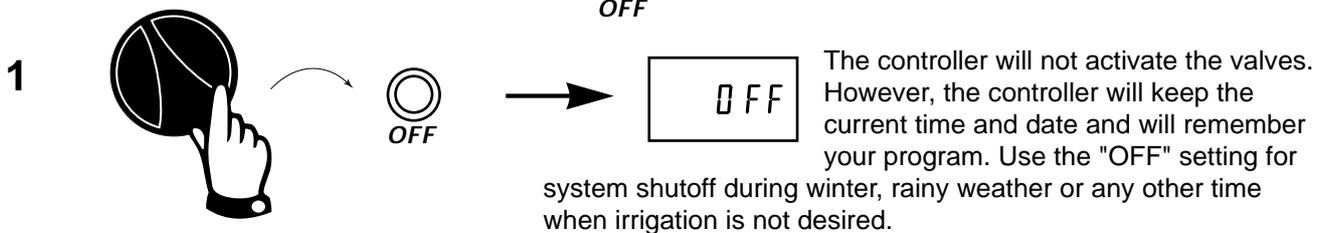
Note : Any station the has no run time in any of the automatic programs will be skipped in the all-station test.

## 5 MANUAL ADVANCE

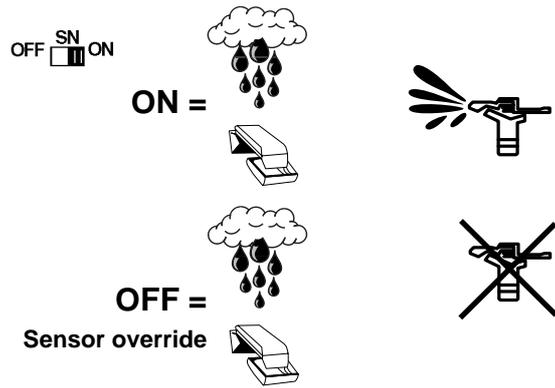
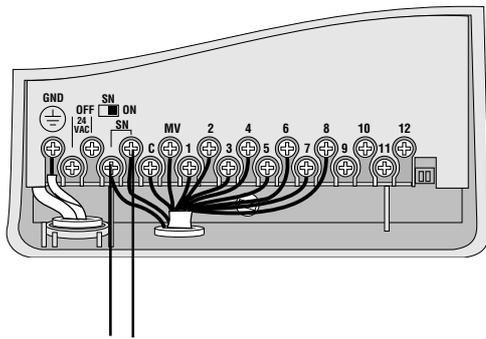
You can manually advance through the stations of any program in operation by setting the dial to AUTO and repeatedly pressing the



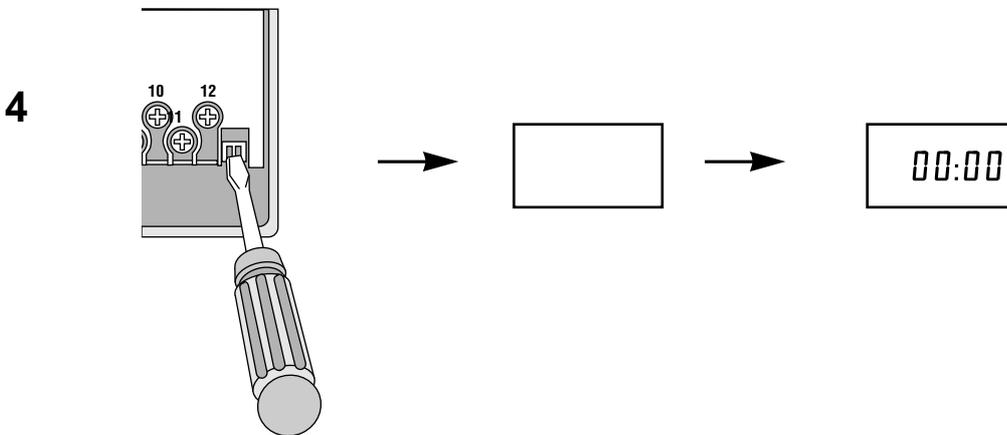
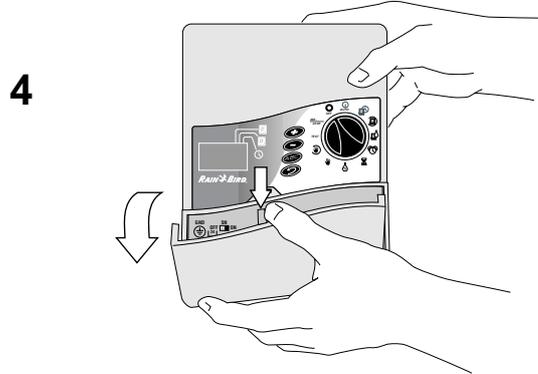
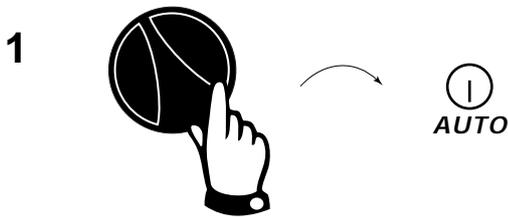
## X TURN CONTROLLER OFF



## XI MOISTURE SENSOR (if installed)



## XII ERASE ALL PROGRAMS



Repeat programming Steps : STEP 1 ...



## BACK-UP MEMORY (no battery required)

In case of power outage, the controller will remember your programs and keep the current time for more than 24 hours. During a power outage, the display is blank.

If the power outage outlast the controller's memory retention, the built-in default program will take over when electrical power returns. (The same default program is in effect when you use the Program Erase Feature).

Automatic settings for the default program are as follow:

1 - date : 01/01/96

2 - current time : 00:00



Program A : 08:00 ( 8 hours after the power is restored)

3 - All stations are assigned to program A.

4 - 7 day cycle, watering daily.



= 10 minutes per station.



= 100%

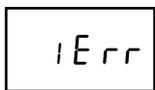
The default program disappears as you re-program.

## XI TROUBLESHOOTING

### DIAGNOSTIC CIRCUIT BREAKER (No fuse required)

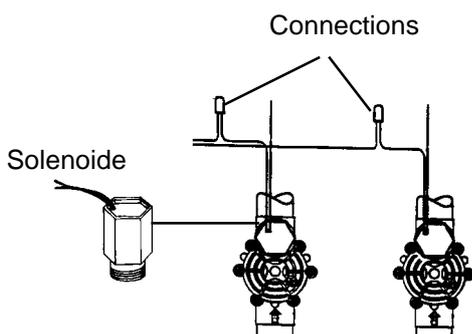
If the controller detects an electrical short circuit on one of the sprinkler system's station wires or valves solenoids, the controller automatically shut off the station with the fault. After 30 - 40 seconds, while the E-Class unit is checking again to confirm the fault, the controller advances to the next station in the program.

Example : Station 1 has a fault



Every 3 seconds, the controller will display the problem station's number. The controller will continue to run each operable station in the program. As each station is running, the controller (at an alternate 3-second interval) will display the station's number and time-to go.

When the controller finishes the program, it will continue to display the problem station's number and "Err".



After you have found and repaired the short, turn the dial to



and press



to clear the "Err" message from the display. You can then operate the station manually to see

if it works properly.