

Rain Bird E Class Series

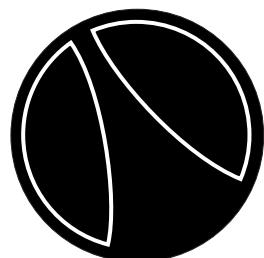
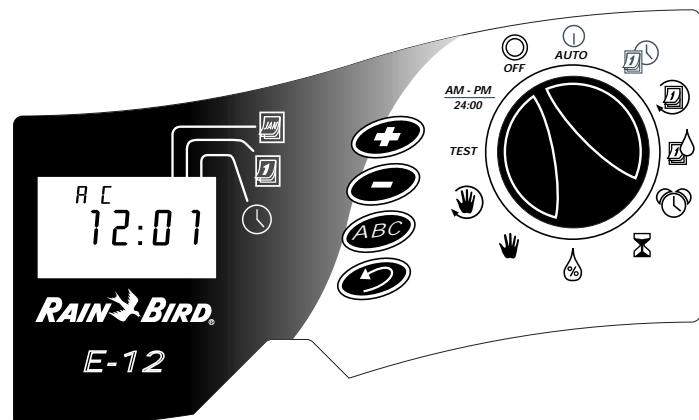
PROGRAMMING

 PLUS (add)

 MOINS (subtract)

 SELECT PROGRAM

 ENTER



PROGRAMMING DIAL

 SET MONTH

 SET DATE

 SET TIME

 OFF

 WATER DAY



MANUAL STATION(S)
START

 AUTO AUTOMATIC MODE

 START TIME



MANUAL PROGRAM
(CYCLE) START

 DATE/TIME

 STATION RUN TIME



TEST TEST PROGRAM

 DAY CYCLE

 WATER BUDGET

AM - PM
24:00

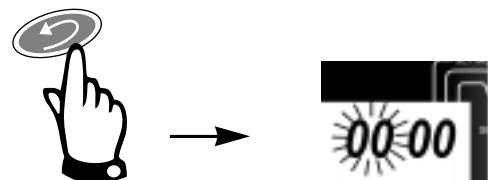
TIME/DATE DISPLAY
OPTION (not used)

I SET YEAR, DATE, AND TIME

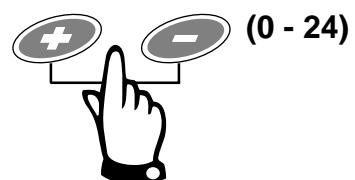


- 1
- 2
- 3
- 4
- 5
- 6

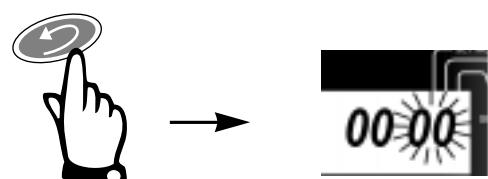
7



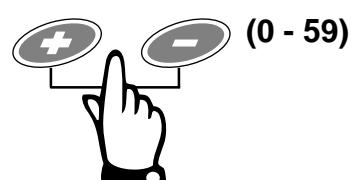
8



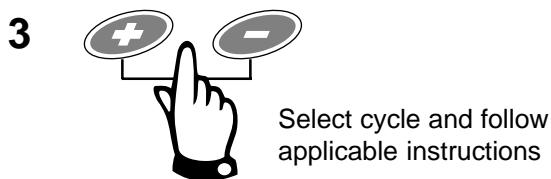
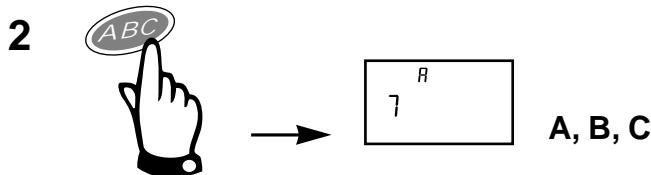
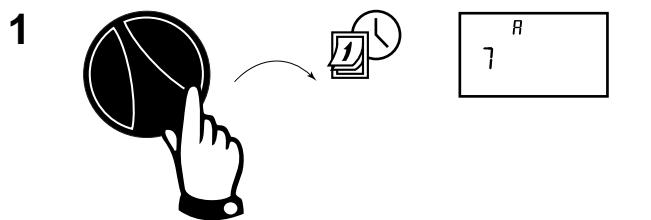
9



10



II SET REPEATING DAY CYCLE



The available day cycle include :

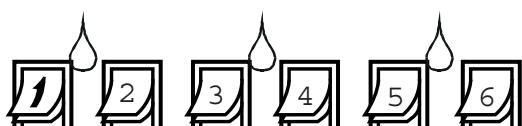
3.1 - 7-day weekly cycle

3.2 - 1-day through 6-day cycle

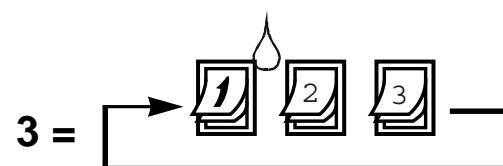
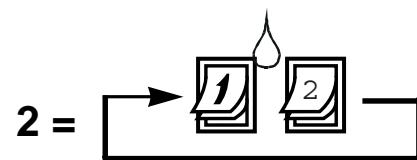
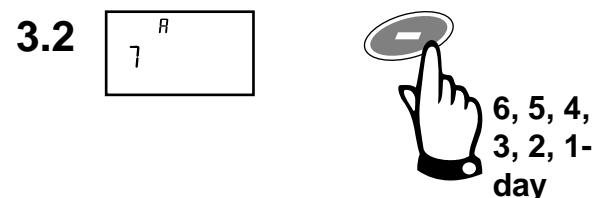
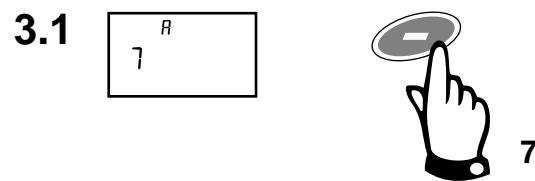
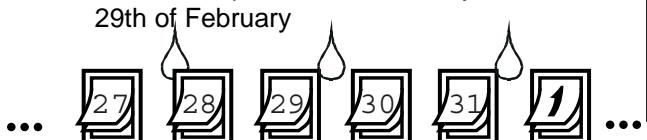
3.3 - EV = Water on Even dates



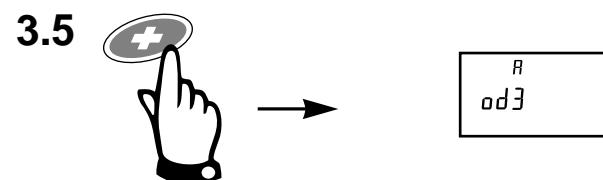
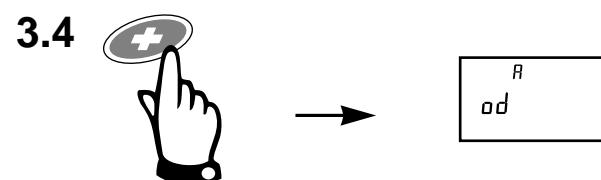
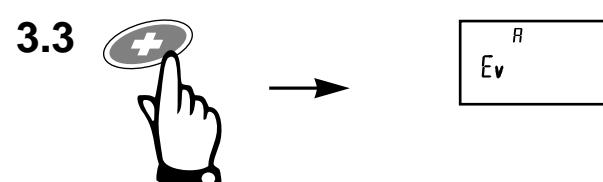
3.4 - OD = Water on Odd dates



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



4 = ...

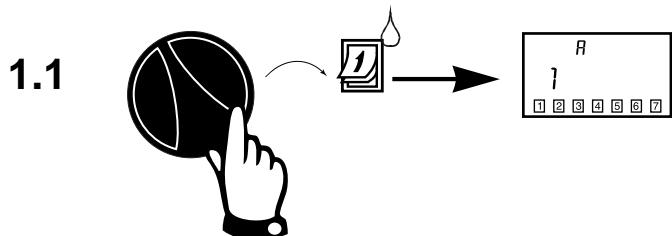


Note : If you selected "EV", "OD" or "OD31" as day cycle, go to step 4

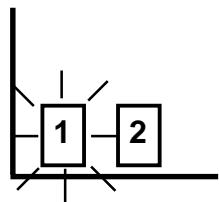
III SET WATERING DAY(S)



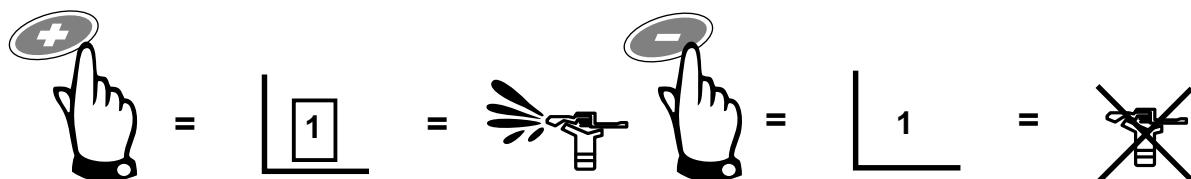
1 Seven Day Weekly Cycle



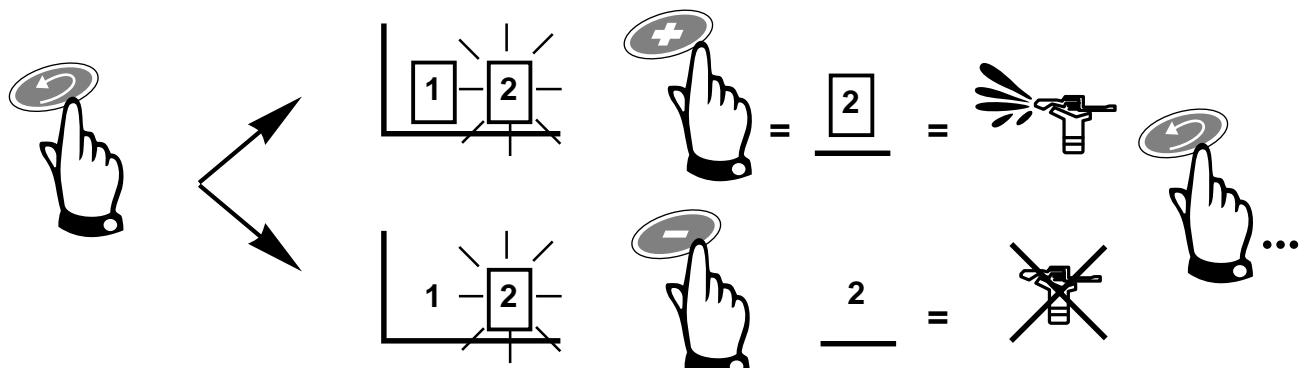
The program appears with today's number. The Seven weekdays are displayed as a row of numbers. For example Monday is # 1, Tuesday is # 2, etc.



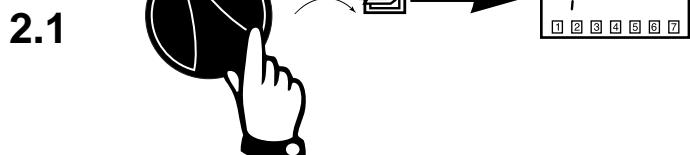
1.2



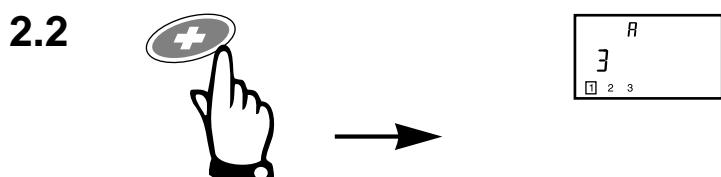
1.2



2 1-Day through 6-Day Cycle

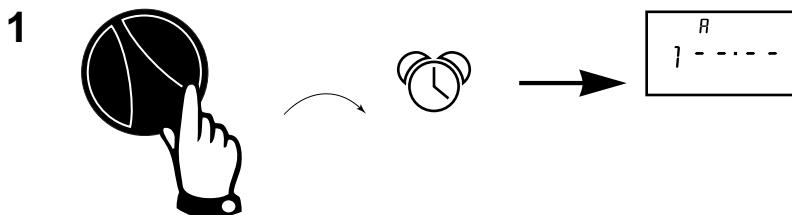


In the 1-day through 6-day cycles the only Water day is always Day#1 (shown in its square).

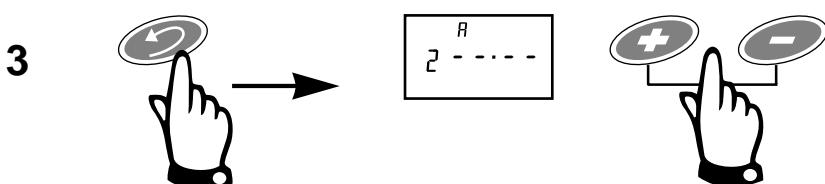


Use to set the "Today" number. In this example, the "Today" number was set to Day 3. Tomorrow, Day 1, will be Water Day as the cycle starts over.

IV SET WATERING START TIMES

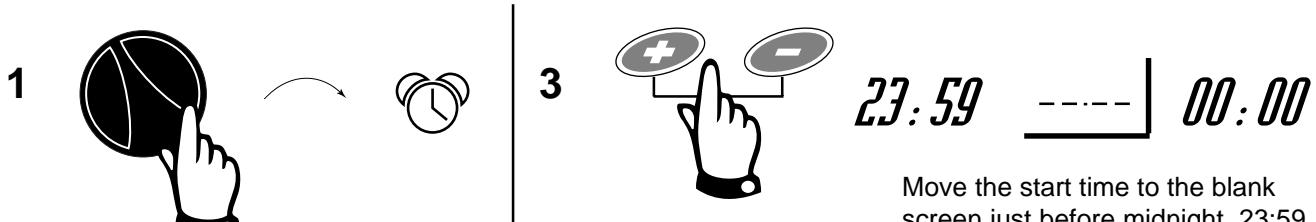


The program (A, B or C) and "1" for Program Start Time One appear.



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

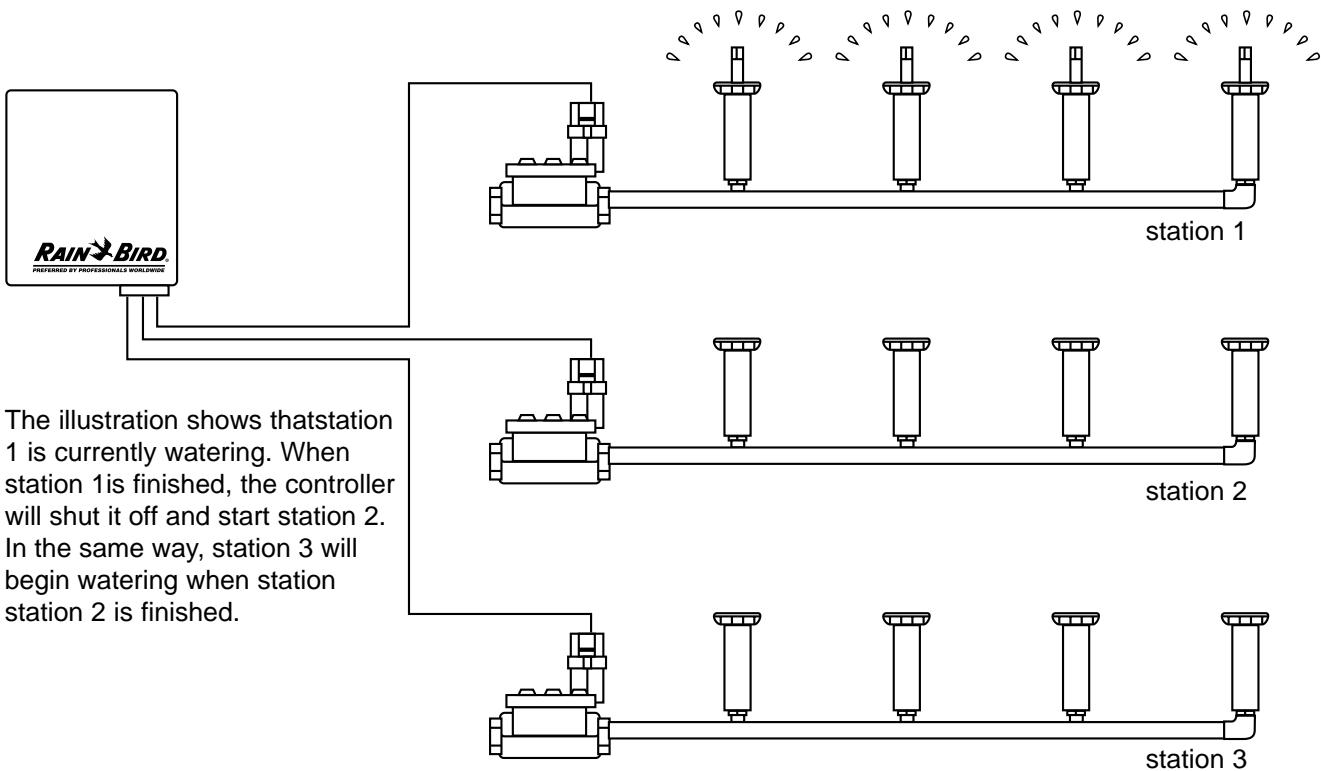
DELETE START TIME



Move the start time to the blank screen just before midnight. 23:59 et 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 Programming is now complete. If you wish to enter settings for another program Repeat steps II to V.

VI ADJUST WATER BUDGET PERCENTAGE

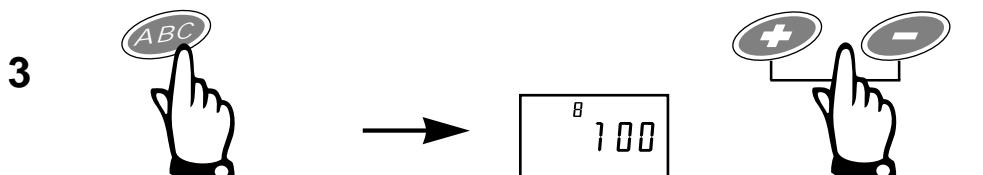
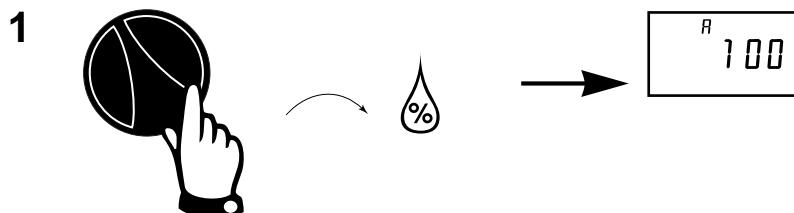


You can set the percentage from 0% (entire program OFF) up to 200% (double each station's running time length) in increments of 10%. Each program (A, B, C) can have a different water budget percentage. 100% = 100% of the programmed run time.

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.



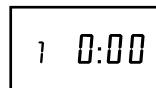
- 4 To cancel Water Budget, set the % to 100%.



VII MANUALLY OPERATE STATION(S)

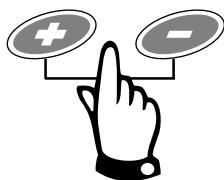


1



/ = Station 1

2

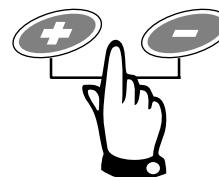


(1 minute to 4 hours)

3



2 = Station 2



...



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



NOTE : Manually operating a station does not affect the station's run time in the automatic programs. When the manual operation is finished, the controller returns to its automatic mode and awaits its next scheduled start time. Manually operated stations are not affected by Water Budget settings. manual opeartion will cancel the opeartion of any automatic program in progress.

4

STOP MANUALLY STARTED STATIONS



(3 Seconds)

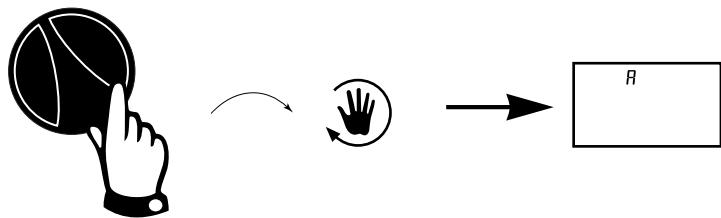
5



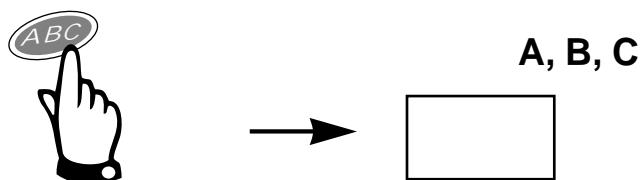
VIII MANUALLY OPERATE PROGRAM(S)



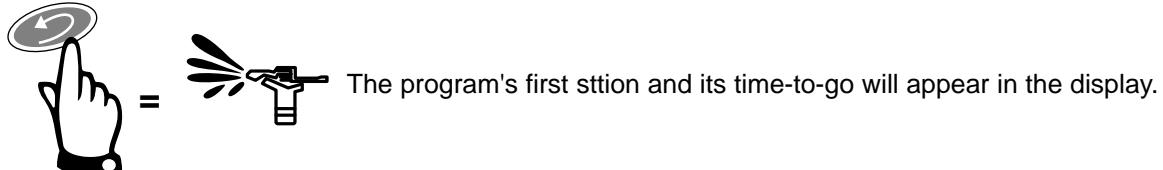
1



2

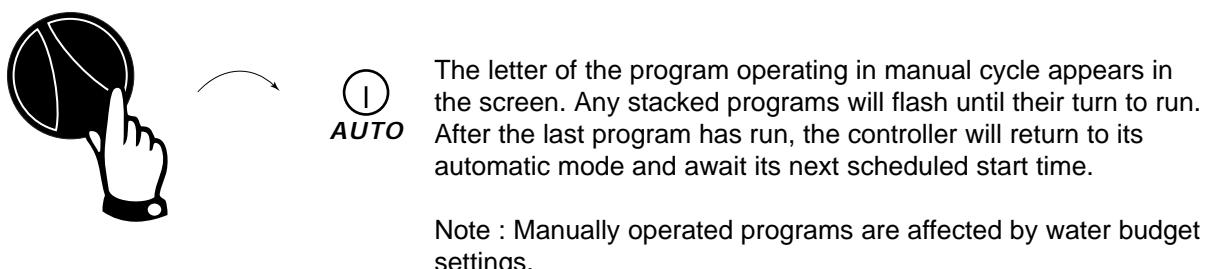


3

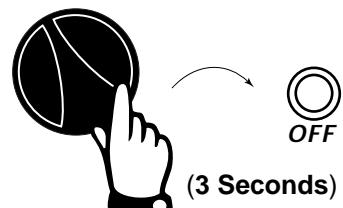


NOTE : You can "Stack" 2 or 3 programs to operate manually by after you select each program.

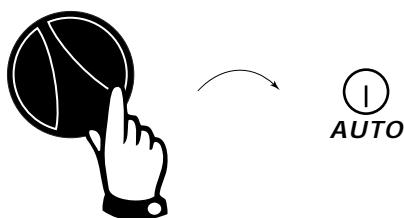
4



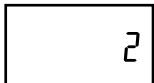
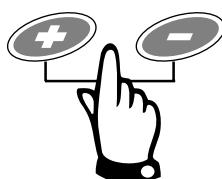
5 STOP MANUALLY STARTED PROGRAMS



6



IX RUN TEST PROGRAM TEST

- 1  → 
= 2- minute test per station (for all stations)
- 2  →  1 - 10 minutes
- 3  = 
- 4  → 
During the test, as each station operates, its station number will appear in the display, along with the countdown of its remaining time to run.

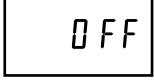
Note : Any station the has no run time in any of the automatic programs will be skipped in the all-station test.

5 MANUAL ADVANCE

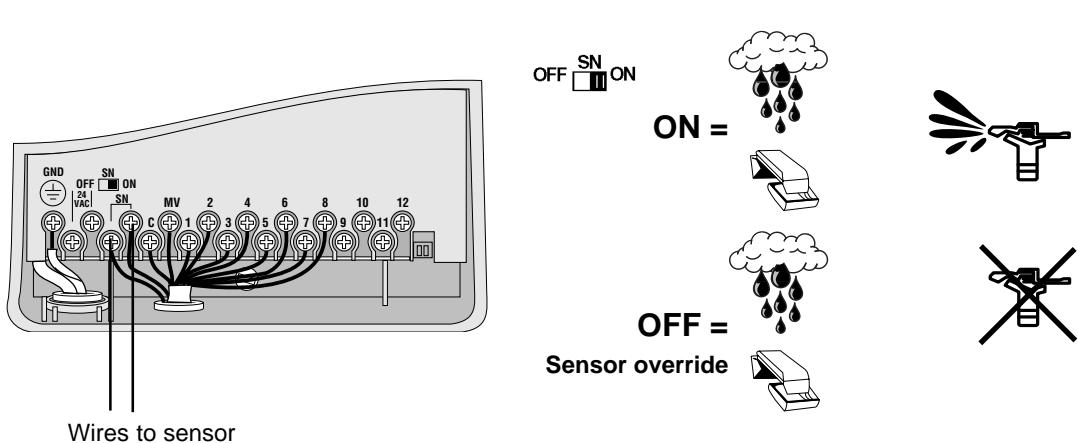
You can manually advance through the stations of any program in operation by setting the dial to AUTO and repeatedly pressing the .

X TURN CONTROLLER OFF

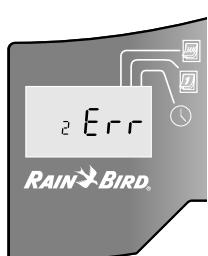
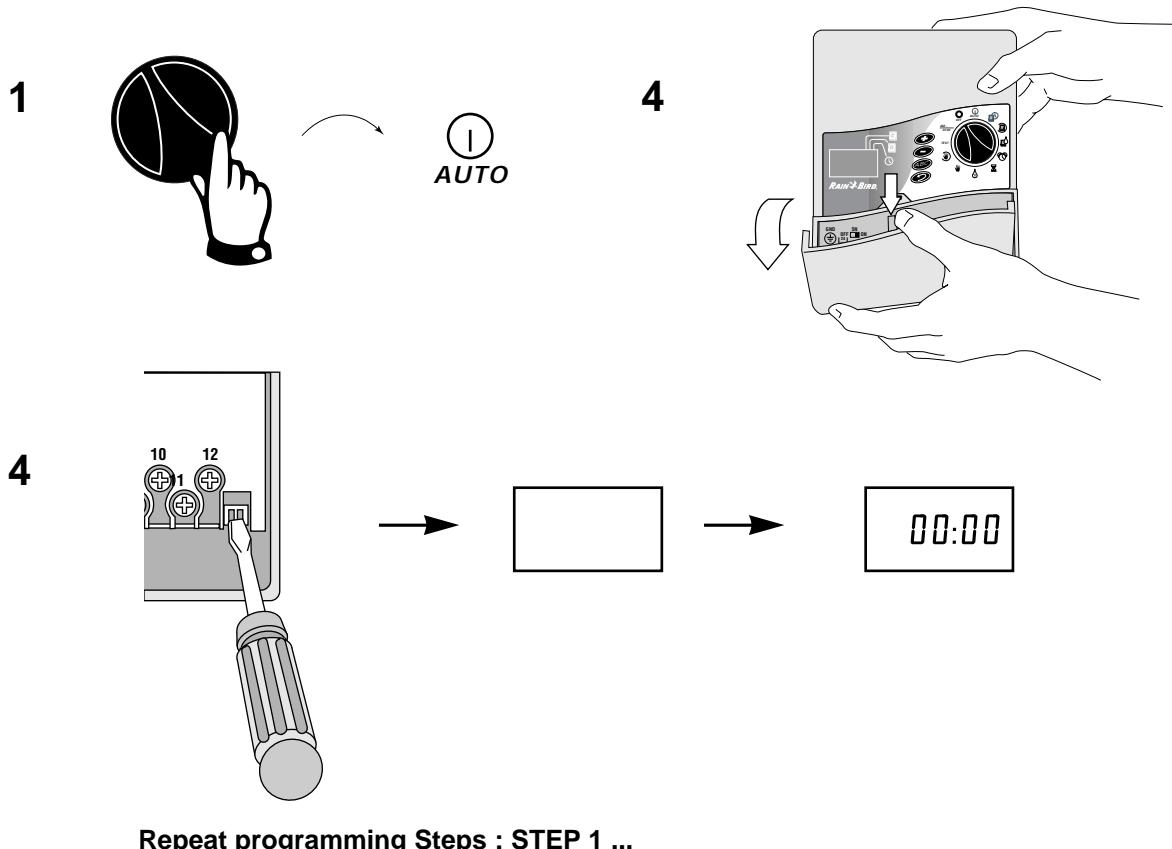


- 1  → 
The controller will not activate the valves. However, the controller will keep the current time and date and will remember your program. Use the "OFF" setting for system shutoff during winter, rainy weather or any other time when irrigation is not desired.
- 2  To return the controller to automatic operation.

XI MOISTURE SENSOR (if installed)



XII ERASE ALL PROGRAMS



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%

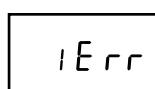
The default program disappears as you re-program.

XI TROUBLESHOOTING

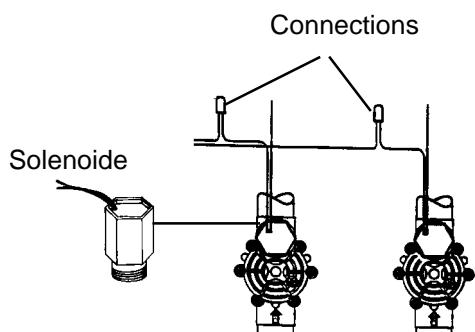
DIAGNOSTIC CIRCUIT BREAKER (No fuse required)

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 wil 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 th econroller 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 **AUTO** and press to clear the "Err" message from the display. You can then operate the staion manually to see if it works properly.