

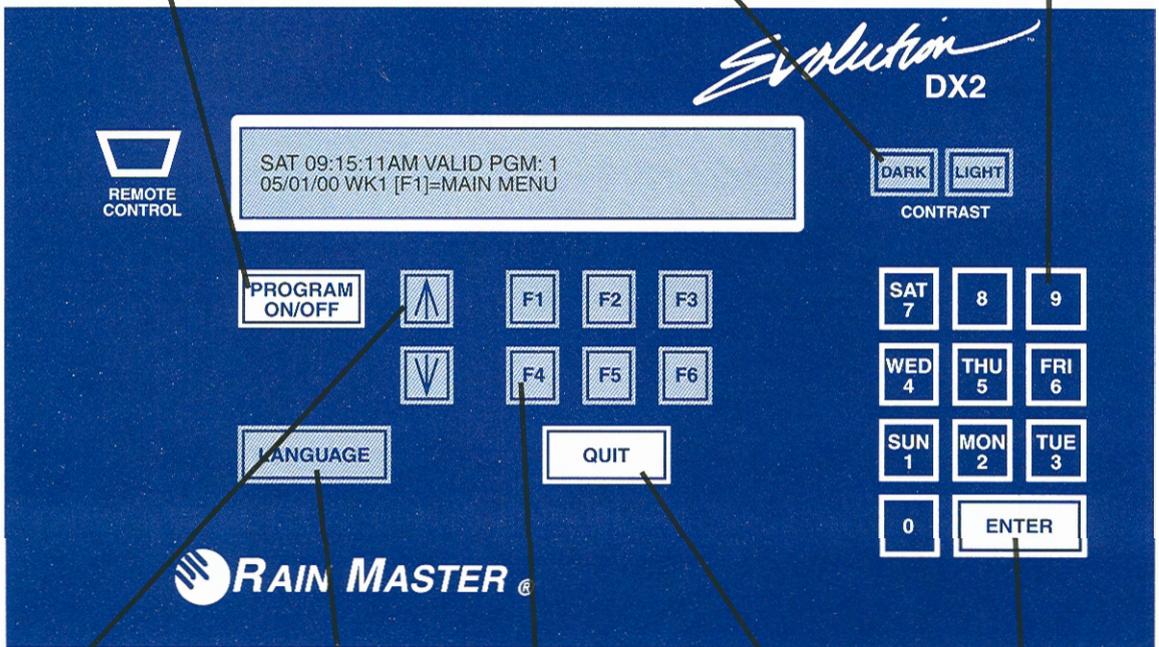
# Evolution™ DX2

## Quick Reference Guide

Use the “PROGRAM ON/OFF” key to start or stop programs, independent of the normal operating mode

Use the “DARK” or “LIGHT” keys to change the contrast of the screen

Use the number keys to select numeric values or days used



When displayed, use the up and down arrows to go to the previous or the next screen

Use the “LANGUAGE” key to select English or Spanish

Use the Function (F) keys to choose options from the menu

Use the “QUIT” key to return to the **Base Menu**

Use the “ENTER” key to enter selections

# MANUAL OPERATION

## TO OPERATE STATIONS MANUALLY

- Notes:**
1. Pressing **QUIT** will cease all manual operations.
  2. Two hours after completion of any manual operation, the display will automatically return to the Base Screen.

All manual operations are done through the **Manual Menu**. To get to the **Manual Menu** from the **Base Screen** perform the following key strokes:

1

SAT 09:15:11AM VALID PGM: 1  
 05/01/00 WK1 [F1]=MAIN MENU

F1

2

[F1]=PROGRAM [F2]=ISC [F3]=STATUS  
 [F4]=MANUAL & RAIN OFF [F5]=SET UP |↑|

F4

### Station On/Off

*Example: To turn station 1 on for 5 minutes, perform the following key strokes*

3

MANUAL: [F1]=TEST [F2]=MULTI-STATION  
 [F3]=STATION [F4]=RAIN OFF |↑|

F3

4

STATION OR ISC NUMBER:  
 ENTER STATION NUMBER (1-48) |↑|

SUN  
1

ENTER

5

[F1]=TURN ON STATION  
 [F2]=CANCEL ISC STATION |↑|

F1

6

STATION 1 RUN TIME: :  
 ENTER TIME (HH:MM) |↑|

THU  
5

ENTER

7

STATION 1=ON 0:04:59 MV=OFF I=0.21  
 [F1]= ON/OFF [F2]= NEXT [F3]= PREVIOUS |↑|

F1

(will toggle station on and off)

F2

(to activate next station)

F3

(to activate previous station)

Note: If station 1 has been previously used in a program that uses the master valve, then the controller will turn the master valve on, "MV=ON"

## Test Cycle

*Example:* Turn on all stations for 5 minutes, repeat steps 1&2, (**F1** & **F4**) then perform the following key strokes

3 MANUAL: [F1]=TEST [F2]=MULTI-STATION  
[F3]=STATION [F4]=RAIN OFF **F1**

4 OPERATION TIME PER STATION: :  
ENTER TIME PER STATION (HH-MM) **THU 5** **ENTER**

## Rain Shutdown

*Example:* To put the controller in Rain Shutdown repeat steps 1&2, (**F1** & **F4**) then perform the following key strokes

3 MANUAL: [F1]=TEST [F2]=MULTI-STATION  
[F3]=STATION [F4]=RAIN OFF **F4**

4 [F1]= RAIN SHUTDOWN [F2]=NO WATER WINDOW  
[F3]=PROGRAMMABLE RAIN SHUTDOWN **F1**

5 RAIN SHUTDOWN: OFF  
[F1]=ON [F2]=OFF (AUTOMATIC MODE) **F1** (**F2** will restore to normal watering)

## PROGRAM ON/OFF

TO ACTIVATE/DEACTIVATE A SINGLE PROGRAM

*Example:* To activate watering in program 1 perform the following key strokes

1 SAT 09:15:11AM VALID PGM: 1  
05/01/00 WK1 [F1]-MAIN MENU **PROGRAM ON/OFF**

2 PROGRAM NUMBER:  
ENTER NUMBER (0-12) 0 = ALL OFF **SUN 1** **ENTER**

Note: To deactivate a running program, repeat the same key strokes

# CREATING A NEW PROGRAM

## TO SET PARAMETERS FOR A NEW PROGRAM

When creating a new program for the **Evolution DX2** controller the following parameters must be set:

- Program number (step 4)
- Start times (steps 8, 9)
- Watering cycle (steps 5, 6, 7)
- Station run times (steps 10 thru 16)

*Example: To create a program # 1 that waters on Mon., Wed. and Fri., start times of 8:00 PM and 11:00 PM, station 1 having a 5 minute run time and stations 2-15 having a 10 minute run time, perform the following key strokes*

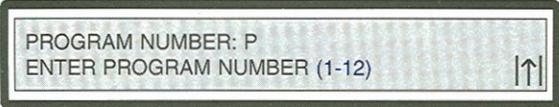
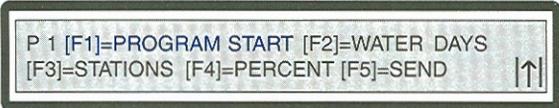
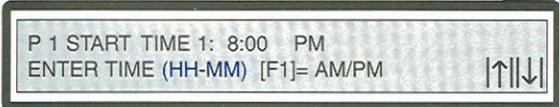
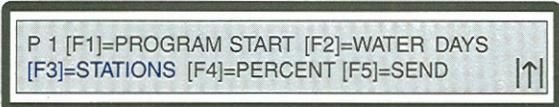
1	SAT 09:15:11AM VALID PGM: NONE 05/01/00 WK1 [F1]-MAIN MENU		F1
2	[F1]=PROGRAM [F2]=ISC [F3]=STATUS [F4]=MANUAL & RAIN OFF [F5]=SET UP ↑↑		F1
3	[F1]=MODIFY PROGRAM [F2]=REVIEW PROGRAM [F3]=NEW PROGRAM [F4]=CLEAR PROGRAM ↑↑		F3
4	PROGRAM NUMBER: P ENTER PROGRAM NUMBER (1-12) ↑↑	<div style="display: inline-block; border: 1px solid black; padding: 2px 5px;">SUN 1</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 10px; margin-left: 10px;">ENTER</div>	
5	P 1 [F1]=14 DAY CYCLE [F2]=SKIP BY DAY [F3]=31 DAY CYCLE NOW=F1 ↑↑		F1
6	P 1 NONE TODAY:TUE WK1 ENTER WEEK 1 WATER DAY [SUN]-[SAT] ↑↑↓	<div style="display: inline-block; border: 1px solid black; padding: 2px 5px;">MON 2</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px; margin-left: 10px;">WED 4</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px; margin-left: 10px;">FRI 6</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 10px; margin-left: 10px;">ENTER</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px; margin-left: 5px;">↓</div>	
7	P 1 NONE TODAY:TUE WK1 ENTER WEEK 2 WATER DAY [SUN]-[SAT] ↑↑↓	<div style="display: inline-block; border: 1px solid black; padding: 2px 5px;">MON 2</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px; margin-left: 10px;">WED 4</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px; margin-left: 10px;">FRI 6</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 10px; margin-left: 10px;">ENTER</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 5px; margin-left: 5px;">↓</div>	

- 8 P 1 START TIME 1: AM  
ENTER TIME (HH-MM) [F1]= AM/PM  8 0 0 F1 ENTER
  
- 9 P1 START TIME 2: AM  
ENTER TIME (HH-MM) [F1]= AM/PM  SUN SUN 0 0 F1 ENTER 
  
- 10 P1 [F1]=STATION RUN TIME  
[F2]=QUICK STATION PROGRAMMING  F1
  
- 11 P 1 STATION NUMBER:  
ENTER STATION NUMBER (1-48)  SUN ENTER
  
- 12 P 1 STATION 01 RUN TIME:  
ENTER TIME (HH-MM)  THU ENTER  
  
- 13 P 1 [F1]=STATION RUN TIME  
[F2]=QUICK STATION PROGRAMMING  F2
  
- 14 P 1 BEGINNING QUICK STATION NUMBER:  
ENTER STATION NUMBER (1-48)  MON ENTER
  
- 15 P 1 ENDING QUICK STATION NUMBER: 02-  
ENTER STATION NUMBER (02-48)  SUN THU ENTER
  
- 16 P 1 RUN TIME PER STATION:  
ENTER TIME (HH-MM)  SUN 0 ENTER QUIT

# MODIFY PROGRAM

## TO CHANGE THE PARAMETERS OF AN EXISTING PROGRAM

**Example:** *To modify program 1 to change start time #1 to 3:15 AM and change the run time on station 2 to 5 minutes, perform the following key strokes*

- 1  
- 2  
- 3  
- 4   
- 5  
- 6      
- 7  
- 8  

9 P 1 [F1]=STATION RUN TIME  
[F2]=QUICK STATION PROGRAMMING ↑↑↓↓ F1

10 P 1 STATION NUMBER:  
ENTER STATION NUMBER (1-48) ↑↑ MON 2 ENTER

11 P 1 STATION 2 RUN TIME: :10  
ENTER TIME (HH-MM) ↑↑ THU 5 ENTER QUIT

## PERCENTAGE TO INCREASE OR DECREASE WATER USAGE

The percentage function of the Evolution controller is performed from the **Modify Program Menu**.

**Example:** *To reduce all watering times in program 1 to 80% of normal (100%), repeat steps 1, 2, & 3, ( F1 F1 F1 ) then perform the following key strokes*

4 PROGRAM NUMBER: P  
ENTER PROGRAM NUMBER (1-12) ↑↑ SUN 1 ENTER

5 P 1 [F1]=PROGRAM START [F2]=WATER DAYS  
[F3]=STATIONS [F4]=PERCENT [F5]=SEND ↑↑ F4

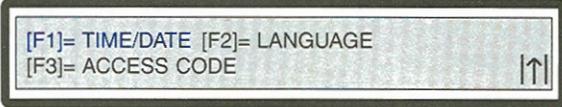
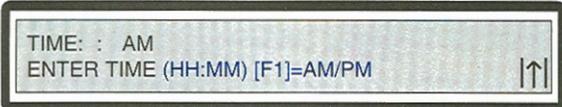
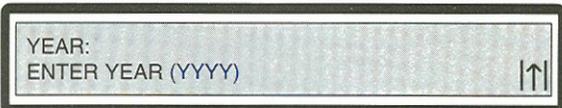
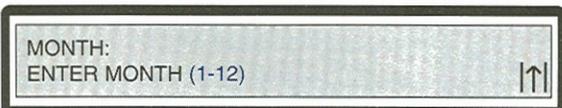
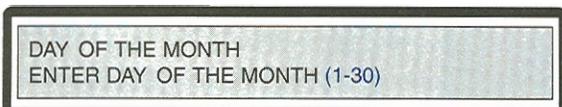
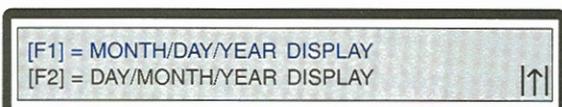
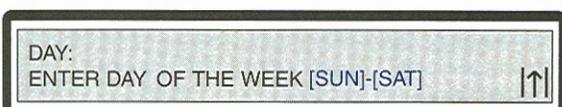
6 P 1 PERCENTAGE OF STATION RUN TIME: 100  
ENTER PERCENTAGE (0-999) ↑↑ 8 0 ENTER QUIT

# CHANGE TIME

## TO CHANGE THE DATE OR TIME OF A CONTROLLER

Time changes on the Evolution DX2 controller are done from the **User Options** menu, which is shown by pressing in succession ( **F1** **F5** **F4** **F3** ) from the base screen.

**Example:** Change the time to 3:00 PM, Mon. Sept. 15, 2000

- 1  **F1**
- 2  **F1**
- 3  **TUE** **3** **0** **0** **F1** **ENTER**
- 4  **MON** **2** **0** **0** **0** **ENTER**
- 5  **9** **ENTER**
- 6  **SUN** **1** **THU** **5** **ENTER**
- 7  **F1**
- 8  **MON** **2** **ENTER** **QUIT**