

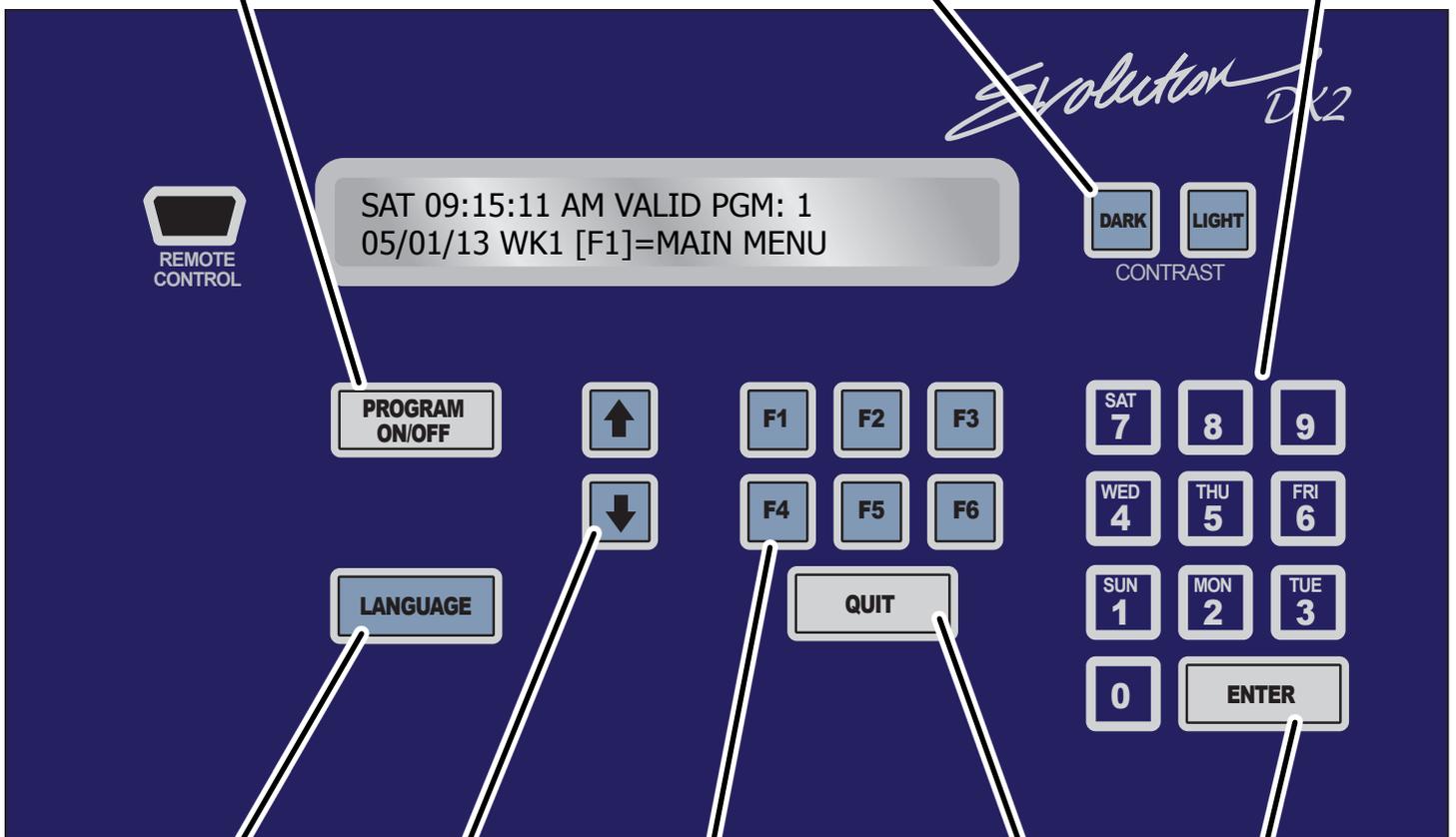
# EVOLUTION DX2

## 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" buttons to change the contrast of the screen.

Use the number keys to select numeric values or days used.



Use the "LANGUAGE" key to select English or Spanish.

When displayed, use the Up and Down arrow keys to go to the previous or the next screen.

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 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 09:15:11 AM VALID PGM: 1<br>05/01/13 WK1 [F1]=MAIN MENU               |  |
| 2. | [F1]=MAIN MENU [F2]=ISC [F3]=STATUS<br>[F4]=MANUAL & RAIN OFF [F5]=SET UP |  |

### Station On/Off

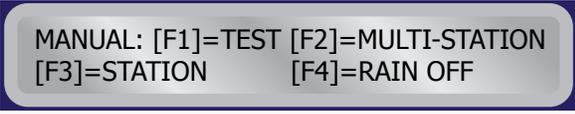
**Example:** To turn station 1 on for five minutes, perform the following key strokes:

|    |   |  |
|----|---|--|
| 3. | MANUAL: [F1]=TEST [F2]=MULTI-STATION<br>[F3]=STATION [F4]=RAIN OFF        |  |
| 4. | STATION OR ISC NUMBER:<br>ENTER STATION NUMBER (1-48)                     |  |
| 5. | [F1]=TURN ON STATION<br>[F2]=CANCEL ISC STATION                           |  |
| 6. | STATION 1 RUN TIME:<br>ENTER TIME (HH:MM)                                 |  |
| 7. | STATION 1=ON 0:04:49 MV=OFF I=0.21<br>[F1]=ON/OFF [F2]=NEXT [F3]=PREVIOUS | (will toggle station on and off)<br>(to activate next station)<br>(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

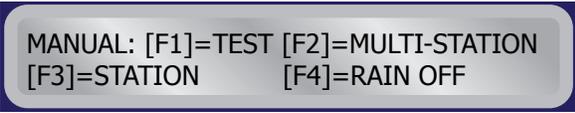
**Example:** Turn on all stations for 5 minutes, repeat steps 1 and 2 (  and  ) then perform the following key strokes:

3.  

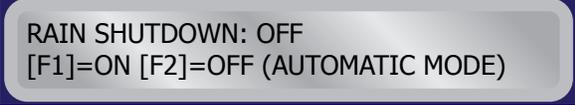
4.   

## Rain Shutdown

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

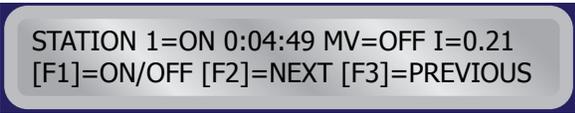
3.  

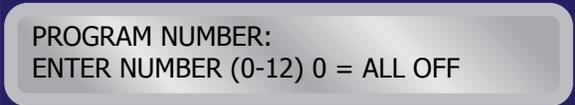
4.  

5.   (  will restore normal watering)

## PROGRAM ON/OFF TO ACTIVATE / DEACTIVATE A SINGLE PROGRAM

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

1.  

2.   

**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)
- Watering cycle (steps 5, 6, and 7)
- Start times (steps 8 and 9)
- Station run times (steps 10 through 16)

**Example:** To create a program #1 that waters on Monday, Wednesday, and Friday with start times at 8pm and 11pm, with 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 09:15:11 AM VALID PGM: NONE<br>05/01/13 WK1 [F1]=MAIN MENU                 |   |
| 2.  | [F1]=PROGRAM [F2]=ISC [F3]=STATUS<br>[F4]=MANUAL & RAIN OFF [F5]=SET UP        |   |
| 3.  | [F1]=MODIFY PROGRAM [F2]=REVIEW PROGRAM<br>[F3]=NEW PROGRAM [F4]=CLEAR PROGRAM |   |
| 4.  | PROGRAM NUMBER: P<br>ENTER PROGRAM NUMBER (1-12)                               |     |
| 5.  | P 1 [F1]=14 DAY CYCLE [F2]=SKIP BY DAY<br>[F3]=31 DAY CYCLE NOW=F1             |   |
| 6.  | P 1 NONE TODAY:TUE WK1<br>ENTER WEEK 1 WATER DAY [SUN]-[SAT]                   |        |
| 7.  | P 1 NONE TODAY:TUE WK1<br>ENTER WEEK 2 WATER DAY [SUN]-[SAT]                   |        |
| 8.  | P 1 START TIME 1: AM<br>ENTER TIME (HH-MM) [F1]=AM/PM                          |        |
| 9.  | P 1 START TIME 2: AM<br>ENTER TIME (HH-MM) [F1]=AM/PM                          |    <br>   |
| 10. | P 1 [F1]=STATION RUN TIME<br>[F2]=QUICK STATION PROGRAMMING                    |   |

|     |  |                 |                 |       |      |
|-----|--|-----------------|-----------------|-------|------|
| 11. | P 1 STATION NUMBER<br>ENTER STATION NUMBER (1-48)                    | SUN<br><b>1</b> | ENTER           |       |      |
| 12. | P 1 STATION 01 RUN TIME<br>ENTER TIME (HH-MM)                        | THU<br><b>5</b> | ENTER           | ↑     | ↑    |
| 13. | P 1 [F1]=STATION RUN TIME<br>[F2]=QUICK STATION PROGRAMMING          | F2              |                 |       |      |
| 14. | P 1 BEGINNING QUICK STATION NUMBER:<br>ENTER STATION NUMBER (1-48)   | MON<br><b>2</b> | ENTER           |       |      |
| 15. | P 1 ENDING QUICK STATION NUMBER: 02-<br>ENTER STATION NUMBER (02-48) | SUN<br><b>1</b> | THU<br><b>5</b> | ENTER |      |
| 16. | P 1 RUN TIME PER STATION:<br>ENTER TIME (HH-MM)                      | SUN<br><b>1</b> | <b>0</b>        | 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. | SAT 09:15:11 AM VALID PGM: 1<br>05/01/13 WK1 [F1]=MAIN MENU                    | F1              |                 |                 |       |   |
| 2. | [F1]=PROGRAM [F2]=ISC [F3]=STATUS<br>[F4]=MANUAL & RAIN OFF [F5]=SET UP        | F1              |                 |                 |       |   |
| 3. | [F1]=MODIFY PROGRAM [F2]=REVIEW PROGRAM<br>[F3]=NEW PROGRAM [F4]=CLEAR PROGRAM | F1              |                 |                 |       |   |
| 4. | PROGRAM NUMBER: P<br>ENTER PROGRAM NUMBER (1-12)                               | SUN<br><b>1</b> | ENTER           |                 |       |   |
| 5. | P 1 [F1]=PROGRAM START [F2]=WATER DAYS<br>[F3]=STATIONS [F4]=PERCENT [F5]=SEND | F1              |                 |                 |       |   |
| 6. | P 1 START TIME 1: 8:00 PM<br>ENTER TIME (HH-MM) [F1]=AM/PM                     | TUE<br><b>3</b> | SUN<br><b>1</b> | THU<br><b>5</b> | ENTER | ↓ |
| 7. | P 1 [F1]=PROGRAM START [F2]=WATER DAYS<br>[F3]=STATIONS [F4]=PERCENT [F5]=SEND | F3              |                 |                 |       |   |

8. P 1 STATIONS :1-15 
9. P 1 [F1]=STATION RUN TIME  
[F2]=QUICK STATION PROGRAMMING 
10. P 1 STATION NUMBER  
ENTER STATION NUMBER (1-48)  
11. P 1 STATION 2 RUN TIME: :10  
ENTER TIME (HH-MM)   

## 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, and 3 (  ,  ,  ), then perform the following key strokes:

4. PROGRAM NUMBER: P  
ENTER PROGRAM NUMBER (1-12)  
5. P 1 [F1]=PROGRAM START [F2]=WATER DAYS  
[F3]=STATIONS [F4]=PERCENT [F5]=SEND 
6. P 1 PERCENTAGE OF STATION RUN TIME: 100  
ENTER PERCENTAGE (0-999)    

# 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, Sunday, September 15, 2013.

|    |   |                           |
|----|---|---------------------------|
| 1. | [F1]=TIME/DATE [F2]=LANGUAGE<br>[F3]=ACCESS CODE                | [F1]                      |
| 2. | [F1]= 12 HOUR (AM/PM) TIME DISPLAY<br>[F2]=24 HOUR TIME DISPLAY | [F1]                      |
| 3. | TIME: : AM<br>ENTER TIME (HH:MM) [F1]=AM/PM                     | TUE 3 0 0 [F1] ENTER      |
| 4. | YEAR:<br>ENTER YEAR (YYYY)                                      | MON 2 0 SUN 1 TUE 3 ENTER |
| 5. | MONTH:<br>ENTER MONTH (1-12)                                    | 9 ENTER                   |
| 6. | DAY OF THE MONTH<br>ENTER DAY OF THE MONTH (1-30)               | SUN 1 THU 5 ENTER         |
| 7. | [F1]=MONTH/DAY/YEAR DISPLAY<br>[F2]=DAY/MONTH/YEAR DISPLAY      | [F1]                      |
| 8. | DAY:<br>ENTER DAY OF THE WEEK [SUN]-[SAT]                       | SUN 1 ENTER QUIT          |