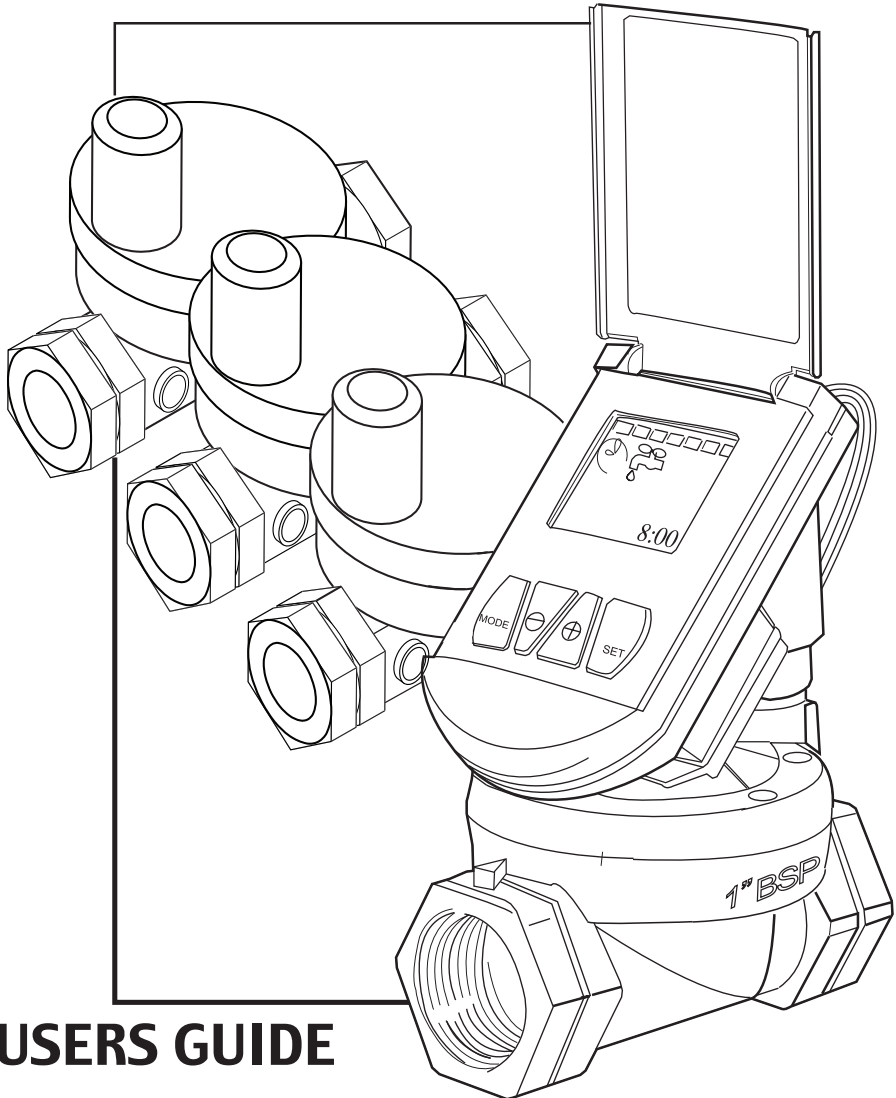




G75 Four Valve Irrigation Controller



USERS GUIDE

TABLE OF CONTENTS

GETTING STARTED	1
Features	1
Parts Identification	1
Basic Controller functions	2
Wires Connection	2
Installing the connectors	3
Installing the LV 9000 Connectors	4
Manual operation	5
PROGRAMMING THE CONTROLLER	6
Meaning of controller icons	6
Setting the clock	7
Factory default table	8
FLOW CHART	9
Irrigation Schedule table	11
Setting the start times	12
Setting the irrigation program	13
Setting the duration time	13
Selecting the Starts	14
Setting the days	14
Seasonal Adjustment	15
MAINTENANCE AND TROUBLESHOOTING	16
Battery Installation	16
Off Season	17
Troubleshooting	18
SERVICE INFORMATION	19

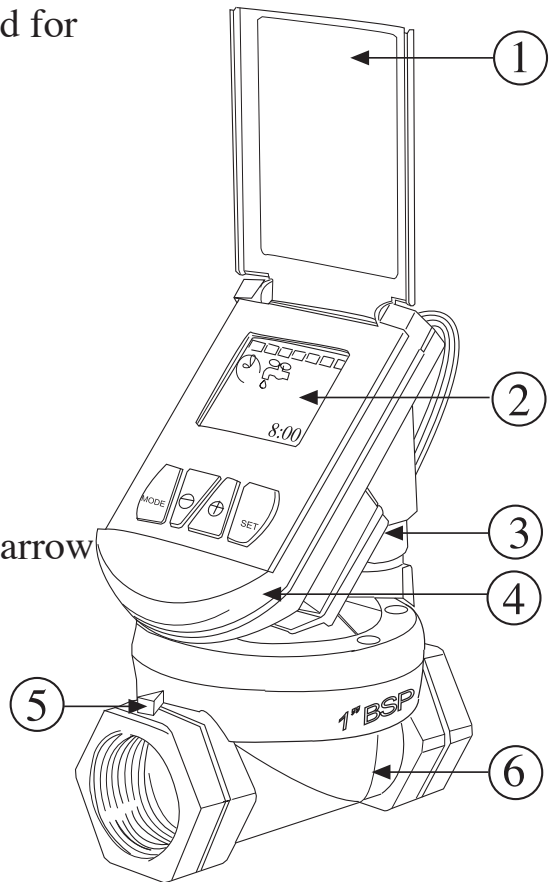
Getting Started

Features

- Connects to four separate valves and master valve.
- Up to three starts per day
- Easy installation and programming
- Waterproof and weather resistant
- Battery powered; no need for electrical hookup.

Parts Identification

1. Top cover
2. Controller display
3. Solenoid
4. Controller
5. Water flow direction arrow
6. Hydraulic valve



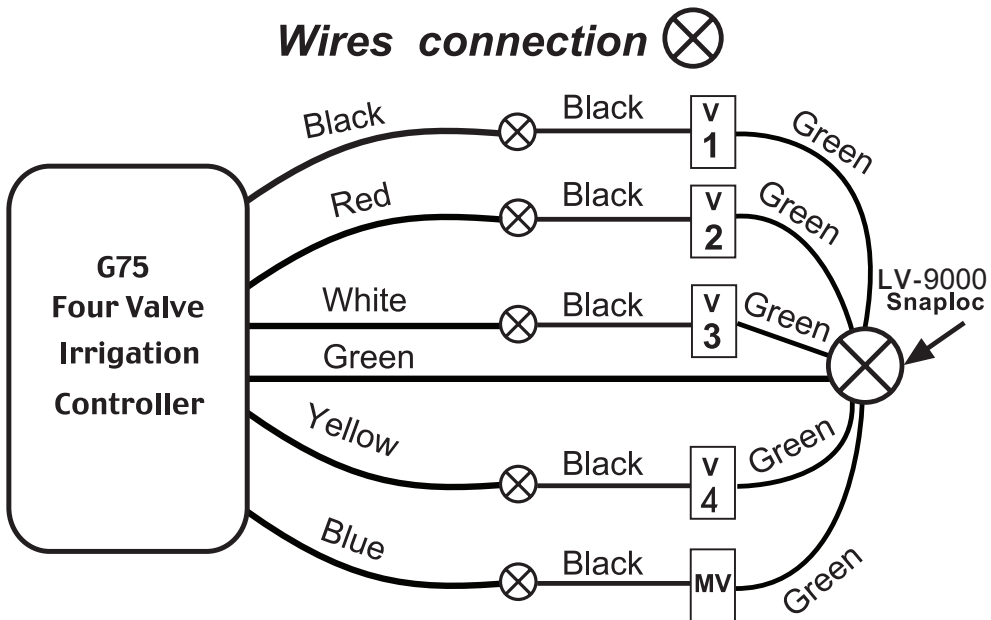
Basic Controller Functions

This section gives a brief description on the Controller buttons. See the following sections for further details.

MODE Button - A quick press on the **MODE** button turns the Controller on or off. A longer press of the **MODE** button puts the Controller in programming mode.

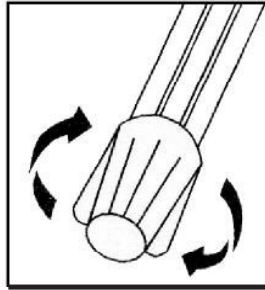
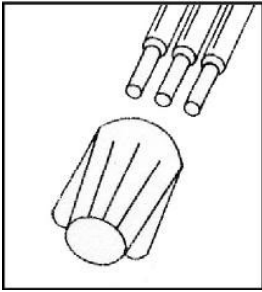
SET Button - Press the **SET** button to set a function and proceed.

⊕ ⊖ - Use these buttons to increase and decrease schedule functions, or select / deselect functions.



Installing the connectors

1. Strip wires 1/2”.
2. Align frayed strands or conductors.
3. Do not pre-twist. Place stripped wires together with ends even, lead stranded wire slightly.
4. Twist connector onto wires pushing firmly until hand-tight. **DO NOT** over torque.
5. Swipe excess sealant in and around conductors. **DO NOT REUSE.**



Note: Only ONE valve may be opened at any time. Valves are designated **V1, V2, V2, V4.**

If the Controller is correctly wired, continue the installation process as follows.

1. Turn off the main faucet.
2. Install the valve in the irrigation system so that the black arrow on the valve is pointing in the direction of the water flow. The Controller may be swiveled around to facilitate installation.

LV9000 - Wire Connectors

Installation Instructions



1. Strip wires 3/4" and group bare wire ends together. No pre-twisting necessary with solid wire. Pre-twist stranded wire. If using both wire types, wrap stranded wire around solid wires. See 1A.



2. Insert wires through flexible sealing fingers and bend wires into either «V-Channel».



3. Push inner sleeve into pre-filled outer sleeve until double-locked.
Pre-filled silicone fully waterproofs the connection. Do not reuse connector.

Occasionally the valve opens in transit. To ensure that the valve is closed before you open the main faucet, first make sure that the controller is not set to **OFF** (If it is set to **OFF**, press briefly on the **MODE** button to turn it on.)

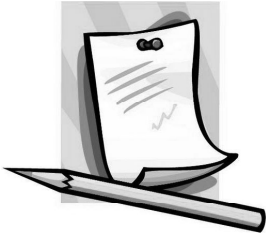
3. Press \oplus and **SET** simultaneously. **V1** will flash.
4. Press **SET** to select **V1** or \ominus and then **SET** to select **V2** or \ominus and then **SET** to select **V3** or \ominus and then **SET** to select **V4**.
5. Press **SET** and \ominus to close the valve.
You are now ready to program the Controller.
6. Turn on the main faucet.

Manual Operation

To manually open the valve, make sure that the controller is in operating mode and press \oplus and **SET** simultaneously. **V1** will flash. Press **SET** to select **V1** or \ominus to select **V2** and then **SET** or \ominus and then **SET** to select **V3** or \ominus and then **SET** to select **V4**. The irrigation will continue until the interval defined has passed. If the irrigation duration has been set to zero, the valve will close after one minute. To stop irrigating, Press \ominus and **SET** simultaneously.

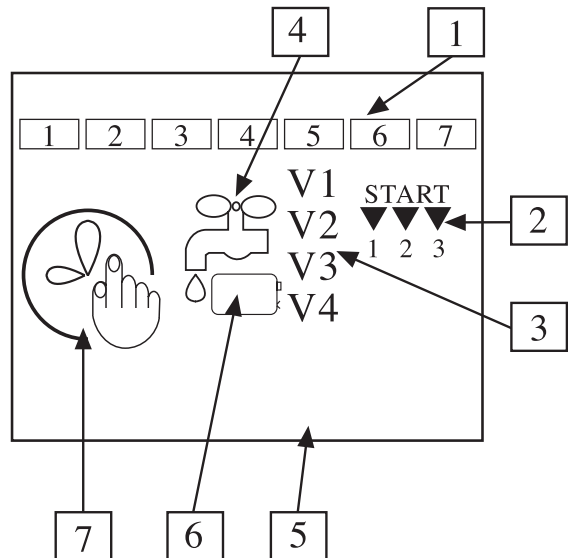
Programming the Controller

Meaning of Controller Icons



NOTE: Quick presses of the **MODE** button turns the controller on or off. Longer presses of the **MODE** button put the Controller in programming mode.

1. Irrigating days of the week
2. Program starts
3. V1 is Valve 1
V2 is Valve 2
V3 is Valve 3
V4 is Valve 4
4. Irrigation
5. Timing or clock
6. Low battery
7. Time adjustment

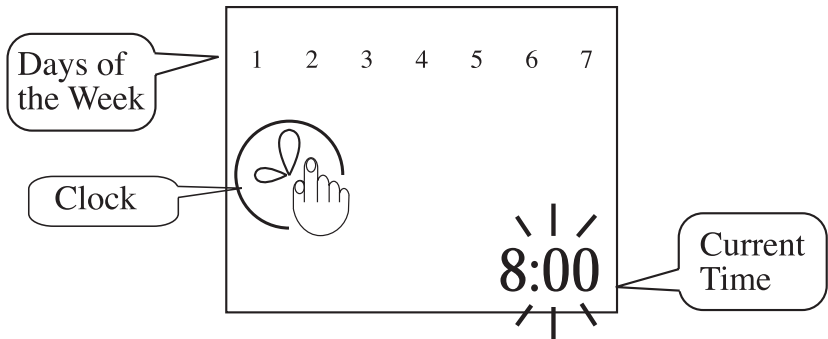


Setting the Clock

If screen is blank, press **MODE** to activate.

Before programming the controller you must set the clock.

1. Press **MODE** for several seconds until the time adjustment icon appears (The minutes will be flashing):



On this screen the numbers represent the current time.

2. Use the \oplus and the \ominus buttons to adjust the minutes.
3. Press **SET** to continue.
4. Use the \oplus and the \ominus buttons to adjust the hours.
5. Press **SET** to continue.
6. Use the \oplus and the \ominus buttons to select the current day of the week. The selected day will flash.
7. Press **SET** to return to operating mode.

Factory Default Table

The Controller comes with the following factory default settings:

Irrigation Start Times

	Start 1	Start 2	Start 3
Start Times for V1, V2, V3, V4	06:00	12:00	18:00

Irrigation Duration for Valve 1- 4 (V1 - V4)

Duration Time	V1	0:15
	V2	0:15
	V3	0:15
	V4	0:15

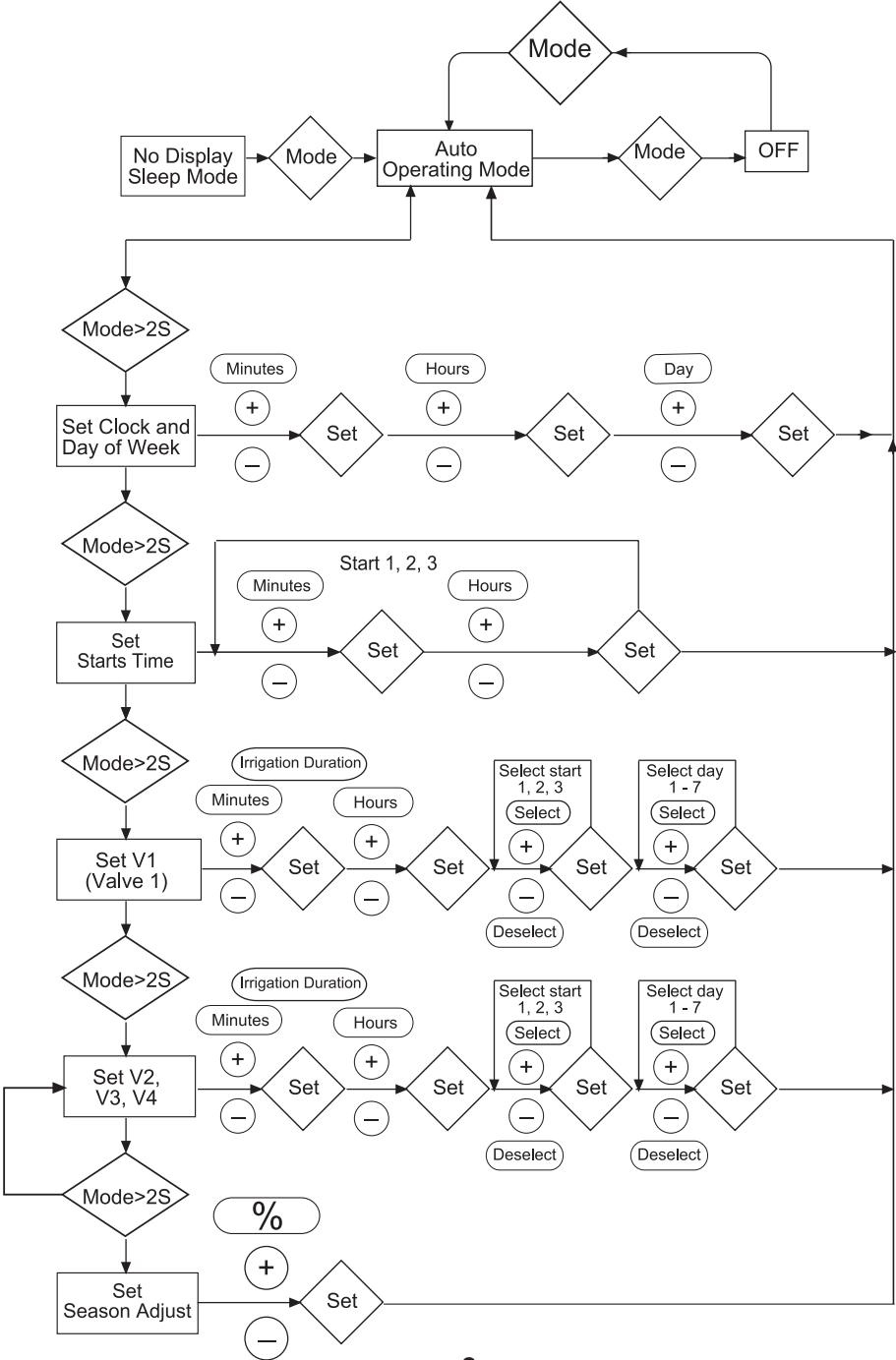
Selected Starts

	Start 1	Start 2	Start 3
Selected Starts for V1	✓		
Selected Starts for V2		✓	
Selected Starts for V3			✓
Selected Starts for V4	✓		

Irrigation Days

	1	2	3	4	5	6	7
V1	✓		✓		✓		
V2		✓		✓		✓	
V3	✓	✓	✓	✓	✓	✓	✓
V4	✓	✓	✓	✓	✓	✓	

Flow Chart for G75 4 Valves Irrigation Controller



Irrigation Schedule Table

Irrigation Start Times

	Start 1	Start 2	Start 3
Start Times for V1, V2, V3, V4			

Irrigation Duration for Valve 1- 4 (V1 - V4)

Duration Time	V1	
	V2	
	V3	
	V4	

Selected Starts

	Start 1	Start 2	Start 3
Selected Starts for V1			
Selected Starts for V2			
Selected Starts for V3			
Selected Starts for V4			

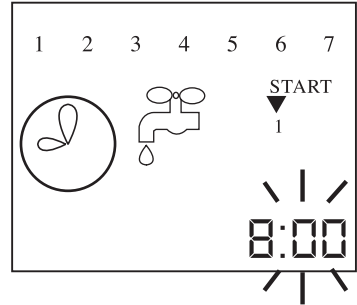
Irrigation Days

	1	2	3	4	5	6	7
V1							
V2							
V3							
V4							

Setting the Start Times

After setting the clock,

1. Two long presses on the **MODE** button makes the following screen appear:



On this screen, the clock numbers refer to the time you wish irrigation to begin. There are three start times which are common to all the valves.

2. Use the \oplus and the \ominus buttons to adjust the minutes.
3. Press **SET** to continue.
4. Use the \oplus and \ominus buttons to adjust the hours.
5. Press **SET** to return to start time 2, and repeat steps 2-5 for start times 2 and 3.

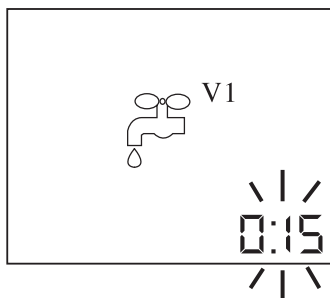
Setting the Irrigation Program

The irrigation program must be set for each valve separately (**V1**, **V2**, **V3** and **V4**). The start times are common for both valves as instructed in the previous section. Each valve may be set with different duration time, different start selects, and different days of operation.

To set the irrigation program, you must be in an operating mode. First program **V1** as follows:

Setting the Irrigation Duration Time

1. Press three long presses on the **MODE** button until the following screen appears (The minutes will be flashing).



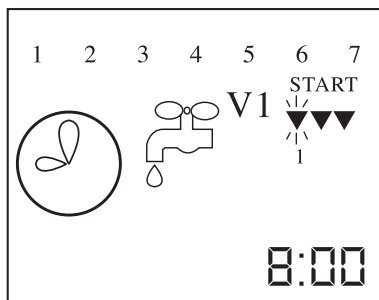
On this screen, the clock numbers refer to the amount of time you wish irrigation to continue for **V1**.

2. Use the \oplus and the \ominus buttons to adjust the minutes.
3. Press **SET** to continue.
4. Use the \oplus and the \ominus buttons to adjust the hours.
5. Press **SET** to continue.

The **V1** start screen appears.

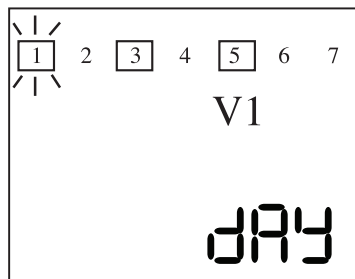
Selecting the Starts

On this screen, you select the Starts you wish to irrigate with Valve 1 . Start 1 will flash.



1. To select Start 1, press \oplus and then **SET** and Start 2 will flash.
2. To deselect Start1, press \ominus and then **SET** Start 2 will flash, Start 1 will disappear.
3. Repeat for Start 2 and 3.

The Select Day screen appears after the Start times have been programmed .



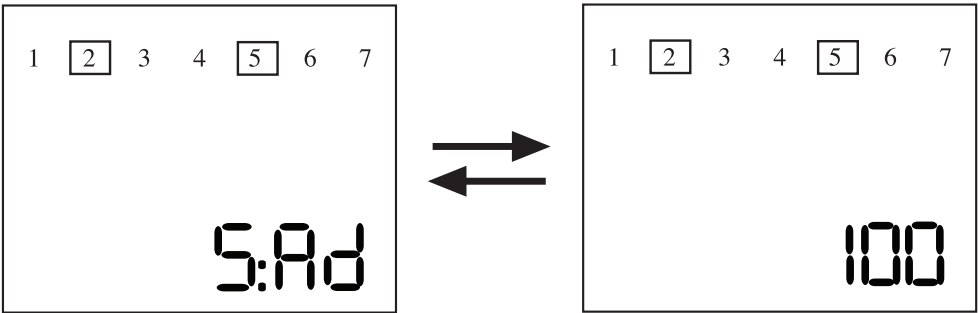
Setting the Days

1. Press **SET** to reach the day you wish to irrigate.
The number (corresponding to the day of the week) will flash.
2. Press \oplus to select that day (the square which appears indicates day is selected).
3. Press \ominus to deselect a day.
4. Press **SET** until all days are programmed as desired.
5. Press **SET** to return to operating mode.
6. Repeat pages 12 & 13 to set programs for **V2, V3, V4.**

Seasonal Adjustment

It is possible to make a seasonal adjustment to the irrigation duration for both valves as necessary. The minimum adjustment is 10% of the programmed duration, and the maximum is 200%.

1. Press seven long presses on the **MODE** button until the following screen appears.




The percentage programmed will flash on the screen alternately with **S: Ad.**

2. Use the \oplus and the \ominus buttons to adjust the percentage amount to your requirements.
3. Press **SET** to complete adjustment.

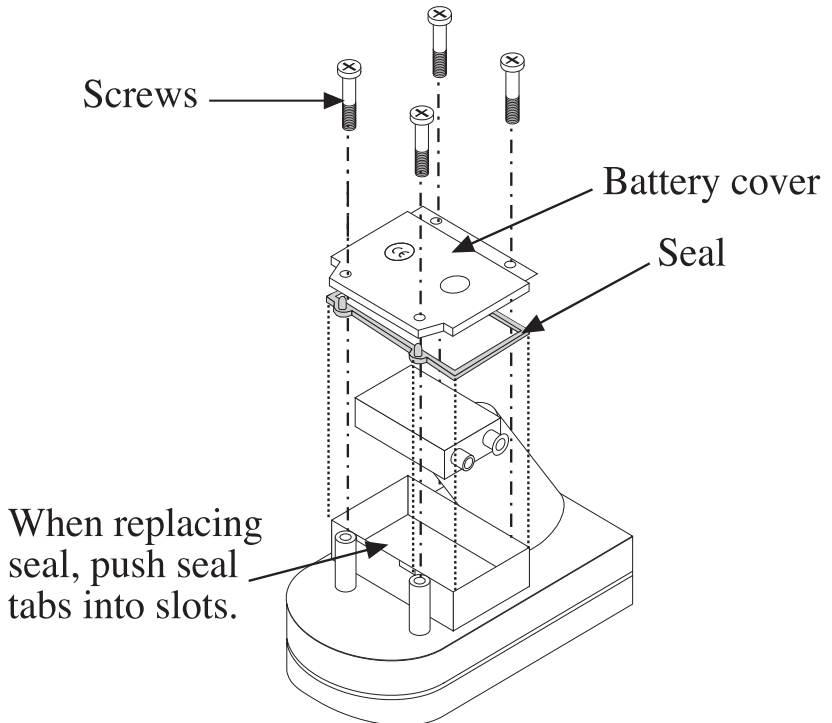
Maintenance and Troubleshooting

Battery Installation

Replace the battery at the start of each irrigation season and when the low battery symbol  appears.

Use a 9V alkaline top quality battery only.

1. Using a Phillips screwdriver, remove the four battery cover screws.
2. Remove the battery cover and seal.
3. Replace the battery.
4. After reattaching the seal, put the cover back, and secure with the four screws.



Off Season

During the season when you do not need to water your plants press the **MODE** button quickly until **OFF** is displayed.

DO NOT remove the battery. The Controller is equipped with a flash memory that will save the programmed functions if the battery dies.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Controller does not irrigate plants as desired	Water at main faucet is shut off	Check faucet
	Hose cut or blocked	Replace damaged section
	Battery dead	Replace battery
	Controller set on OFF	Set controller to desired program
	Controller improperly programmed	Check program and clock settings
V2 does not begin on time	V1 has priority and has not completed its duration	Wait until V1 finishes irrigating
Blank display	Battery dead	Replace battery
	Controller in sleep mode	Press MODE to activate screen
Water does not turn off	Valve blocked by dirt or scale	Replace valve
	Valve installed backwards	Install valve so that the arrow points in the direction of the water flow

Service Information

Baccara products are guaranteed to be free from defects in material and workmanship for a period of one year from the date of delivery.

This guarantee does not apply where equipment is not used and installed strictly in accordance with **Baccara** specifications and Users Guide. Neither does it apply to failures caused by lightning strikes or damage due to freezing temperatures or mechanical causes (e.g. lawn mowers). **Baccara** is not liable for indirect, incidental or consequential damage in connection with the use of equipment.

To receive guarantee benefits, customers should return defective units along with the receipt of purchase to the nearest **Baccara** distributor.

Baccara reserves the right to alter, modify or redesign its products, pricing and warranty at all times without creating any liability for the obsolescence of customer inventory of such parts or products.

This manufacturer guarantee policy may apply differently in different countries.

Contact information

FACTORY AND HEAD OFFICE

Baccara Geva Ltd.

Kvutzat Geva, 18915, Israel

Tel: 972 4 6535 960

Fax: 972 4 6531 445

E-mail: info@baccara-geva.com

Web Site: www.baccara-geva.com

Baccara # 4257201501

11/2010