1 Getting Started

Features : This Controller irrigates in cycles, during a window of time according to your needs. New plantings may be irrigated for short bursts in defined intervals Cycle irrigation is also used for temperature control.

- Operates in cycles during programmed window
- Battery powered: no need for electrical hookup.

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NOTE

- Easy Installation
- Waterproof and weather resistant
- Easy programming

Parts Identification

1. Top cover 2. Controller display 3. Solenoid 4. Controller 5 Water flow

direction arrow 6. Hvdraulic valve

6 Programming the Controller

Meaning of Controller icons

NOTE:

Ouick presses of the **MODE** botton turns the controller off or on Longer presses of the **MODE** button put the controller in programming mode.



10 Setting the Window (cont.)

On this screen, the clock numbers refer to the time you wish the Window to begin. $5L_{r}$ flashes on the screen, alternating with the numbers

- 2. Use the \bigoplus and the \bigoplus buttons to adjust the minutes.
- 3. Press SET to continue.
- 4. Use the \bigoplus and the \bigoplus buttons to adjust the hours.
- 5. Press SET to continue.

2 Basic Controller Functions

This section gives a brief description of the controller buttons. See the following sections for further details.

MODE button - Quick presses of the MODE button turn the controller off or on. Longer presses of the **MODE** button put the controller in programming mode.

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

 $\bigoplus \ominus$ Use these buttons to increase and decrease schedule functions.

You cannot program the controller

To release from manual operation

press \ominus and **SET** simultaneously.

To release from OFF press briefly on

if it is set to manual operation

(section 4) or of it is set to OFF

the **MODE** button.

Installation

- 1. Turn off the main faucet.
- 2. Install the valve in the irrigation system so that the arrow on the valve is pointing in the direction of the water flow. The controller may be swiveled around to facilitate installation.
- 3. 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). Then press \bigoplus and **SET** simultaneously to open, and press Θ and SET simultaneously to close. You are now ready to program the controller.
- 4. Turn on the main faucet.

operating mode.

must set the clock

Clock

the current time

8 Setting the Clock

To set the program, you must be in

If screen is blank, press MODE to activate.

Before programming the controller, you

1. Press MODE for several seconds until

the time adjustment icon appears

4 5

Current time

12 Setting the ON Time

(Duration Time)

amount of time the irrigation will be on,

each time it activates within the irrigation

cycle. ON is measured in seconds, minutes

On this screen the numbers represent

Days of

the week

8:00

(The minutes will be flashing).

4 Manual Operation

To manually open the valve, make sure the controller is not set to OFF (If it is set to OFF, press briefly on the **MODE** button), then press \bigoplus and SET simultaneously. 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 igodot and SET simultaneously.

Irrigation Cycle Table

Window Start Time							
Window End Time							
ON Time (Duration)							
OFF Time (Interval)							
Sun.	Mon.	Tue.	W	ed.	Thu.	Fri.	Sat.

2. Use the \bigoplus and the \bigoplus buttons to

4. Use the \bigoplus and the \bigoplus buttons to

6. Use the \bigoplus and the \bigoplus buttons to

The selected day will flash.

7. Press **SET** to return to operating

select the current day of the week.

adjust the minutes.

3. Press SET to continue.

adjust the hours.

5. Press SET to continue.

mode.

You have just planted new seedlings, and you wish to water them for 5 minutes, every hour, during the hottest part of the day, every day. Set you Window Start Time to 10:00; Window End Time to 14:00; ON (Duration) Time to 5 (minutes); and OFF (Interval Time to 1:00. Your table will look like this:

5 Manual operation: Example

Window Start Time 10:00 Window End Time 14:00 ON Time (Duration) 5 OFF Time (Interval) 1:00 Sun. Mon. Tue. Wed. Thu. Fri. Sat. \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark WINDOW START FND

OFF OFF

9 Setting the Window

OFF

The Window is the time between the Start and End of the irrigation. The cycle consists of the ON time (actual irrigation time), and the OFF time (interval between irrigations). The cycle recurs during the Window.

During programming, the screen will revert to operating mode if left inactive for 30 seconds.

Setting Window Start Time

1. Press the **MODE** button until the clock settings screen appears, then press MODE again until the following screen appears (the minutes will be flashing).



13 Setting the OFF Time (Interval)

The following screen will then appear:



On this screen, the numbers refer to the interval between irrigations within the cycle (measured in minutes and hours).

OFF flashes on the screen, alternating with the numbers.

The following screen will then appear 2 3 4 5 6 2 3 4 5 6 2a End 18:00

On this screen, the clock numbers refer to the time you wish the irrigation Window to end.

11 Setting the Window End Time

End flashes on the screen, alternating with the numbers

adjust the minutes.

2. Press SET to continue.

adjust the hours. 4. Press **SET** to continue

3. Use the \bigoplus and the \bigoplus buttons to

and hours. 1. Use the \bigoplus and the \bigoplus buttons to 0π flashes on the screen, alternating with the numbers.

- 1. Use the \bigoplus and the \bigoplus buttons to adjust the seconds.
- 2 Press SET to continue



- adjust the minutes.
- adjust the hours.

0n On this screen, the numbers refer to the

- 5. Use the \bigoplus and the \bigoplus buttons to

6. Press SET to continue.

2 3 4 5 6 ₾₹

3. Use the \bigoplus and the \bigoplus buttons to

4. Press SET to continue.

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The following screen will then appear: 2 3 4 5 6 ₩Ž

14 Setting the OFF Time (Interval) cont.

- 1. Use the \bigoplus and the \bigoplus buttons to adjust the minutes.
- 2. Press SET to continue.
- 3. Use the \bigoplus and the \bigoplus buttons to adjust the hours.
- 4. Press SET to continue.

16 Example

week is also set.

changed.

You have just received a new batch of

chicks, and a heat wave is forecasted. You

bursts (one minute) of the sprinkler system,

every half hour, from 8am until 6pm. Make

sure the clock is set, and the day of the

Press MODE twice to get to Window start time screen (Str). Set this screen to 08:00. End screen then appears. Set End to 18:00.

The next screen is the **On** screen (Duration

Time). Set this to 1 minute. The Off (Interval) screen should be set to 30 minutes.

The controller is now programmed and will turn on the system for one minute, every

half hour between 8am and 6nm until the controller is turned **Off**, or the program

Each day of the week should then be selected on the next screen.

need to cool the chicken coop with short



- You must select the days you wish the irrigation Window to operate.
- 1. Press SET to reach the day you wish to irrigate. The number (corresponding to the day of the week) will flash.
- 2. Press \bigoplus to select that day (the square which appears indicates day is selected).
- 3. Press \bigcirc to deselect day.
- 4. Press SET until all days are programmed as desired. Current day continues flashing.
- 5. Press SET to complete programming.

Off season 17

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 back-up battery, and removing the main battery for long periods will cause the back-up battery to discharge.



18 Maintenance

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screws

Battery Installation

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

- 1. Using a Phillips screw driver, 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

20 Troubleshooting

Problem	Cause	Solution	
Controller does not	Water at main faucet is shut off	Check faucet	
plants	Hose cut or blocked	Replace damaged section	
as desired.	Battery dead	Replace battery	
	Controller set on OFF	Press MODE to activate	
	Controller improperly programmed	Check program and clock settings	
Blank	Battery dead	Replace battery	
display	Controller is sleep mode	Press MODE to activate screen	
Water	Valve blocked by dirt or scale	Replace valve	
does not turn off	Valve installed backwards	Install valve so that the arrow points in the direction of the water flow.	

Caution! Do not remove the batterv when the controller is in use

21 Guarantee

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 quarantee does nor 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.

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G75 Irrigation Window and Window+ Controllers



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Battery cover seal © | \frown

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When replacing the seal, push seal tabs into slots