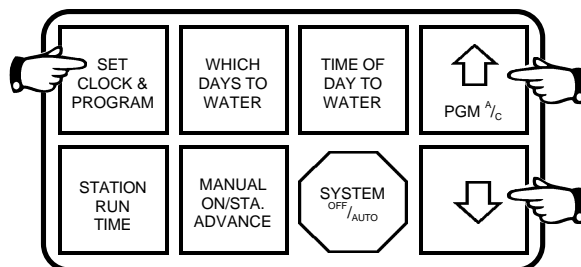




## EZ1-D

### PROGRAMMING INSTRUCTIONS

#### TO SET CLOCK DAY



Press . Press OR until number corresponding to current day appears in display

MON	TUE	WED	THU	FRI	SAT	SUN
1	2	3	4	5	6	7

Display will indicate: Day Wed

#### TO SET CLOCK HOUR AND MINUTE (MILITARY TIME)

Hour: Press . Press OR until current hour appears in display


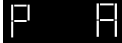
Display will indicate Hour:


Minute: Press . Press OR until current minute appears in display

Display will indicate Minute:

Clock Time	Military Time	Clock Time	Military Time
12:00 Midnight (A.M.)	0000	12:00 Noon	1200
1:00 AM	0100	1:00 PM	1300
2:00	0200	2:00	1400
3:00	0300	3:00	1500
4:00	0400	4:00	1600
5:00	0500	5:00	1700
6:00	0600	6:00	1800
7:00	0700	7:00	1900
8:00	0800	8:00	2000
9:00	0900	9:00	2100
10:00	1000	10:00	2200
11:00	1100	11:00	2300

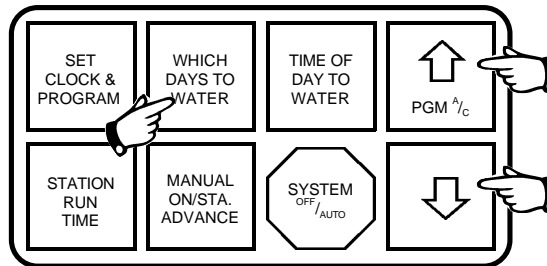
## TO CALL UP A PROGRAM


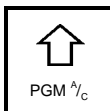
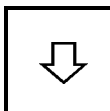
Press  a fourth time until display reads:  For program "A."

By repeatedly pressing  you can access program "A" or "C," depending on

which you want to program. Having two programs is like having two controllers; you can water lawns and shrubs on different days or separate drip irrigation stations from sprinkler stations. Because the "A" program has the default settings, it is best to use "A" as your primary program and set it first, then set schedule "C" if you need the second program.

## TO SET DAYS OF THE WEEK



Press  . Press  OR  until display indicates ON if you wish

to water, or **OF** if you do not wish to water on this day. Repeat for each day of the week.

Display will indicate:  OR 



↑  
Display will indicate  
Day:(Mon) Watering **will**  
occur for the "A" Pro-  
gram

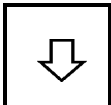

↑  
Display will indicate  
Day:(Mon) Watering **will**  
**NOT** occur for the "A"  
Program

## VARIABLE DAY CYCLE


The EZ1-D Controller comes from the factory with a preset 7-day cycle. (This means the controller will operate as programmed for 7 days, then repeat the cycle beginning with day 1.)

If you want a 3-day cycle, for example, program days 1,2 and 3 only as above, and then proceed as shown below.

Now press  Display will indicate: 

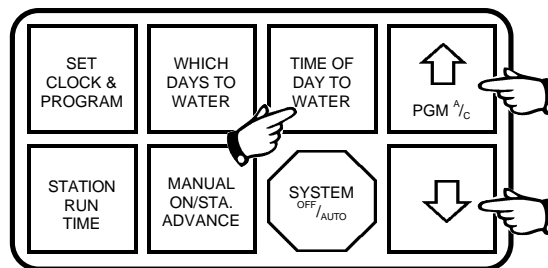
Press  and keep depressed for at least 2 seconds. Display will indi- 



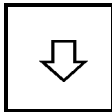
This indicates that Day 4 and all succeeding days through Day 7 will not operate. For both the "A" and "C" programs the cycle will repeat after Day 3. Though both the "A" and "C" programs are in the 3-day cycle, they can be set for the same or differing watering days.

To return to a 7-day cycle, press  until Day 4 appears in the display.

Then press  : Day 4 and all succeeding days through Day 7 will now be operable.

## TO SET TIME OF DAY TO START WATERING



Press  . Press  OR  until the hour at which watering

begin, appears in the display. (Start times are on the hour.)

Display will indicate: 

1st Start Time for "A" Program

Watering will start at 8:00 a.m.

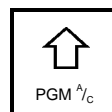
Repeat for remaining two start times, if desired.

Display will indicate: 

2nd Start Time for "A" Program

Indicates no start time set

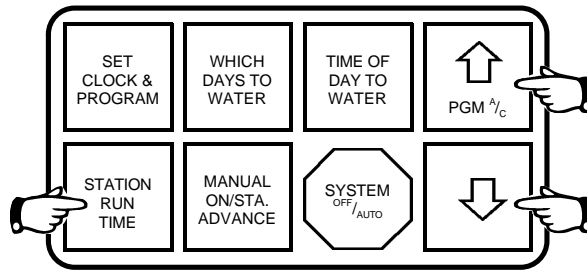
To eliminate a start time, press and


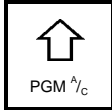
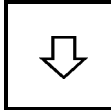



until digits at right change to:




## TO SET WATERING TIME FOR EACH STATION




Press  . Press  OR  until the display indicates the number of minutes (from 1-99) you wish for Station #1 to water.


Display will indicate:   
Station #1, "A" Program
Will water for 10 minutes

Repeat for remaining five stations. To skip a station, set that station's watering time to 0


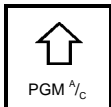
Display will indicate:   
Current station # in "A" Program
Indicates no watering

After programming station #6, Press:  Flashing digits indicate controller is in monitor mode.

If the display reads:  it confirms that no station is active.

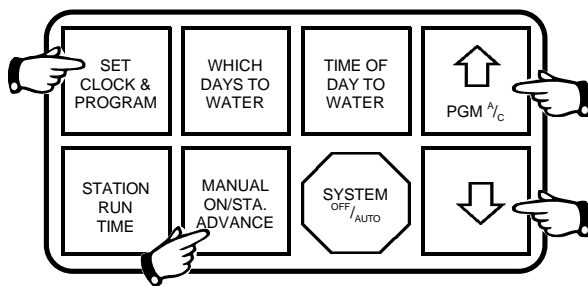
Press  to return to the display of the current time of day.


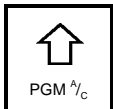

The programming for program "A" is now complete.

If you want to use the "C" program, push  repeatedly to get to the "PA" display, and then press  to display "PC."

*You can now schedule WHICH DAYS TO WATER. TIME OF DAY TO WATER, and, STATION RUN TIMES for program "C" by using the same steps you did for program "A."*

## MANUAL WATERING FOR A PROGRAM



Press  repeatedly to get the "PA" display. Then, if you only want to start program "C" press  to display the "PC." Next, press  to start the program.

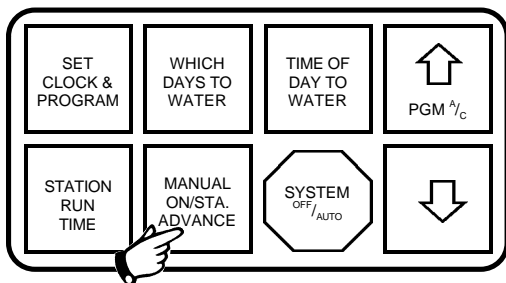
Display will indicate:

Station #1, "C" Program

Indicates watering will occur, and will count down until watering time is complete.

**Note:** When a station is watering, the station number and program will appear as the first two digits in the display. The digit(s) to the right will blink throughout the watering time. The manually started program will water all stations on that program and then return to automatic mode and await the next scheduled automatic start.


## ADVANCING TO THE NEXT STATION OF A PROGRAM (BEFORE PROGRAMMED WATERING IS COMPLETED)



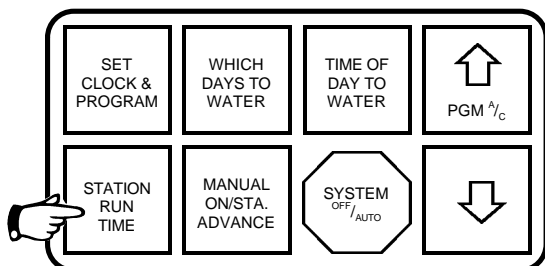
Press . The station which was watering

will stop. The next station in sequence that is assigned to the program, will begin watering and continue through its programmed watering time.

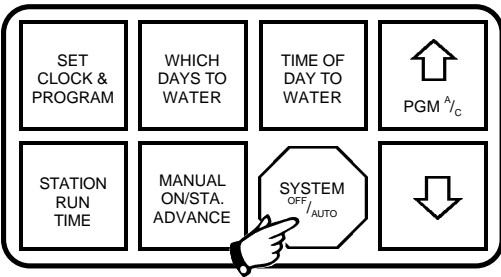
Digits at right of display will blink and count down until cycle is completed. If digits at right do not

blink, then press  repeatedly until desired station number appears at left of display again. Digits at right should now blink.

## MONITORING STATION OPERATION



**TO PREVENT STARTS, OR CANCEL CYCLE DURING OPERATION  
(RAIN SHUT-OFF)**



## Prevent Starts: Press



Scheduled watering cycles will not occur until system is returned to automatic operation; last digit

To return to automatic operation, press last digit at right will stop blinking.



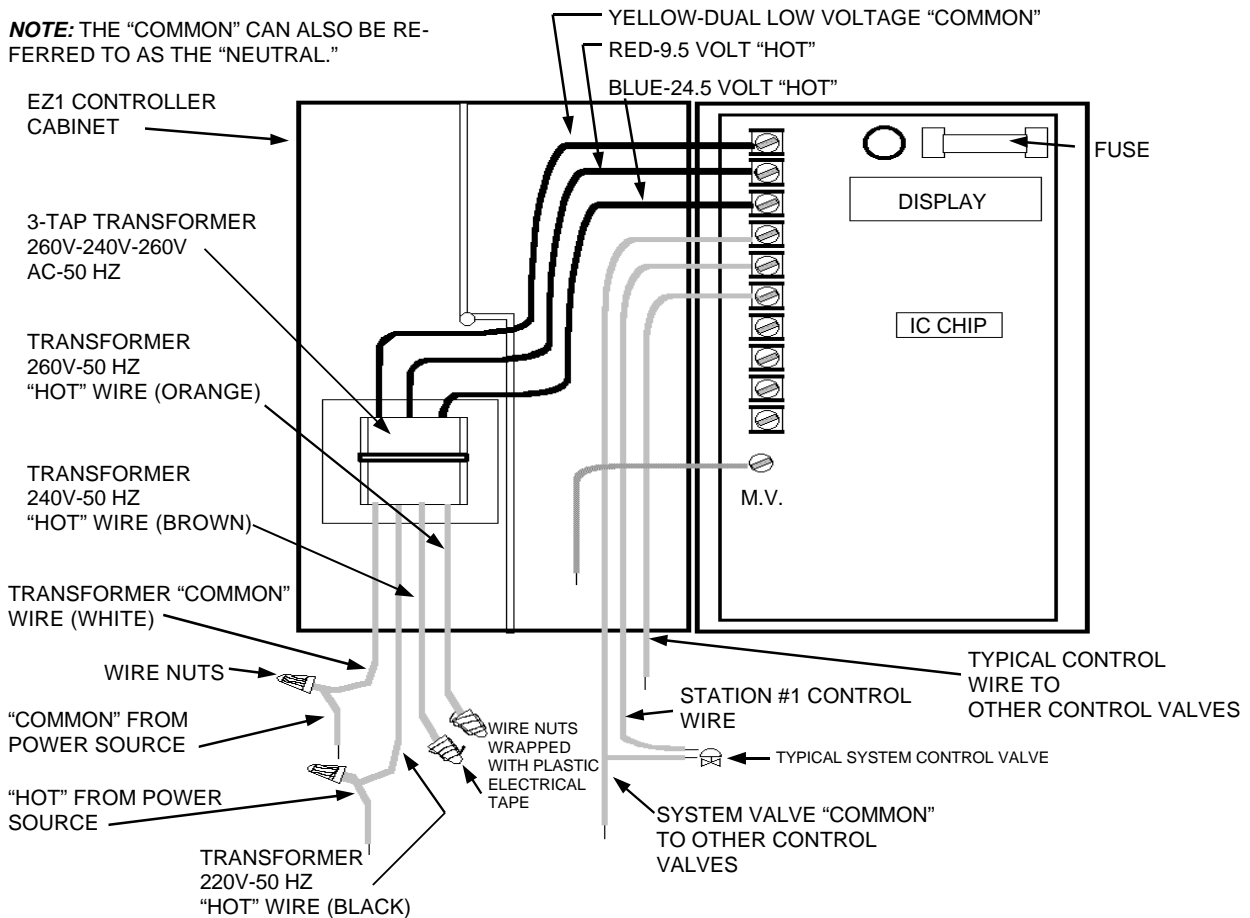
**60 HZ (USA: 220, 240, 260 V) and 50 HZ (European)**  
**TRANSFORMER CONNECTION**

Attach a 3/4" conduit to the left most wiring hole in the bottom of the controller. Route the power wires through the conduit and into the wiring cavity.

Use wire nuts to connect the "NEUTRAL" wire to the white transformer wire and the "HOT" wire to the appropriately colored wire on the transformer. Use the "BLK" wire for 220V, the "BRN" wire for 240V and the "ORN" wire for 260V.

Tape the two unused transformer wires so that they can't make contact with each other or with the conduit. See the wiring schematic provided on the body of the 50 HZ transformer and the figure below.

**NOTE:** THE “COMMON” CAN ALSO BE REFERRED TO AS THE “NEUTRAL.”



**NOTE:** BE SURE TO USE A WIRE NUT AND PROPERLY TAPE EACH OF THE REMAINING “HOT” WIRES FROM THE TRANSFORMER (TWO WIRES) TO COMPLETELY ISOLATE THEM AND PREVENT “SHORTING OUT.”

## IN CASE OF TROUBLE, CHECK HERE

Sometimes when problems occur, they can be easily solved by carefully checking some seemingly apparent, but often overlooked possibilities. Check here before you call your professional contractor or Rain Bird distributor. It could save you time and money.

### IF YOU'RE HAVING THIS KIND OF TROUBLE

- Automatic cycle does not occur
- Entire display is blank
- Entire display blinks
- Last digit in display blinks
- Last two digits in display blink
- Clock loses (gains) a few minutes every week or month
- Fuse blows too often (display goes blank)

### CHECK THESE THINGS:

- If display is blank, check fuse in EZ1.
- If last digit blinks, EZ1 is in the Rain Shut-Down mode.
- Check fuse in EZ1; it probably needs replacement.
- 9V battery needs replacing. After new battery is installed, reprogram controller.
- EZ1 is in the Rain Shut-Down mode.
- EZ1 is counting down the time remaining on station currently in operation.
- Intermittent power fluctuations are most likely responsible. Simply reset clock to correct time.
- There is a short in the wiring between the controller and the valves.

Have bare wires, non-water tight connections, and/or bad valve solenoids replaced.

**WARNING:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by Rain Bird Sales, Inc. could void the user's authority to operate the equipment.

This product was FCC certified under test conditions that included the use of shielded I/O cables and connectors between system components. To be in compliance with FCC regulations, the user must use shielded cables and connectors to install them properly.



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