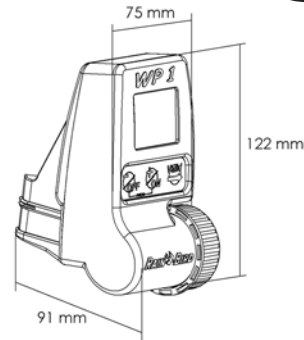
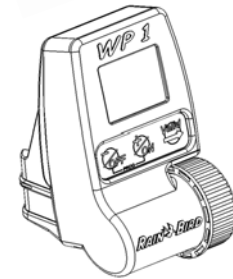


OR

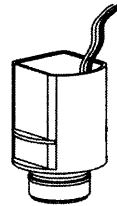


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See wiring diagram.



24  
Volts



**TBOS 9V  
Latching  
Solenoid**

**Controller operates with 1 Rain Bird TBOS latching solenoid.**

Make sure all wire from the controller to the valves is code-approved for underground low voltage use.

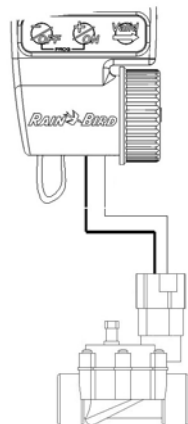
Select the suitable wire size. All connections to the valve leads and any splice in the field must be watertight. Use Rain Bird Quick Connect "King" connectors : supplied with the product or DBR connectors.

**Important :**

Maximum distance between the controller and the valve using wire sized 1,5 mm<sup>2</sup>: 30 m.

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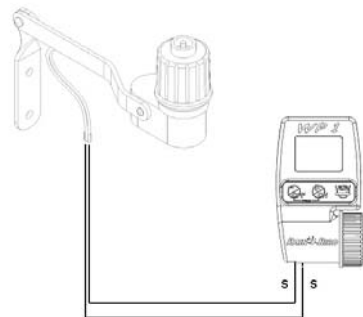
## WIRING TO THE ELECTRIC VALVE




— Red — Black

Valve must be equipped with a Rain Bird TBOS Latching solenoid.

## WIRING TO THE RSD-BEx (OPTION)



Active Rain Sensor input immediately stops watering if it rains.

**Note :** The  icon will appear in all screens when the rain sensor is activated.

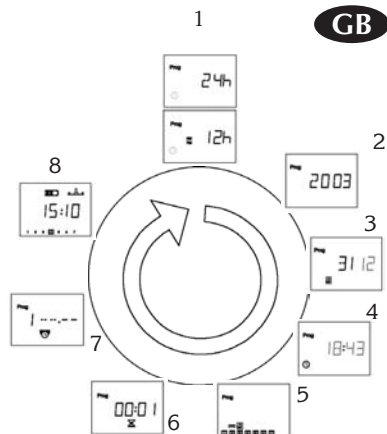
## PROGRAMMING MENU :



or



- 1/ Select the time mode (AM/PM or 24 H)
- 2/ Set the current year.
- 3/ Set date
- 4/ Set clock
- 5/ Set water days
- 6/ Set the length of watering time
- 7/ Set time of day to start watering
- 8/ Controller status screen



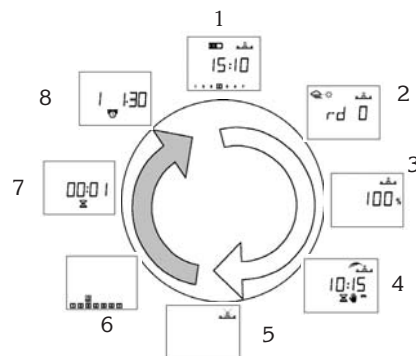
## BASIC MENU :

### - OPTIONAL FEATURES :

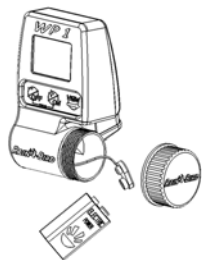
- 1/ Controller status screen
- 2/ Set Rain Delay
- 3/ Water Budget
- 4/ Manual start
- 5/ System On/Shutdown

### - STATUS MENU

- 6/ Programming schedule status
- 7/ Length of watering time status
- 8/ Time of day to start watering status



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**1 - START-UP :**

Connect 1 top-grade 9V alkaline battery (6AM6/6LR61).  
Varta or equivalent.

As soon as the battery is installed, this screen appears:



**Important :** This icon means that you must replace the battery. Use only top quality brands such as Varta or equivalent.

**2 - PROGRAMMING MENU:**

WP1 has a " protected " programming menu to avoid accidentally modifying the programming schedules. You can access this menu by:

- Connecting the battery

- Pressing both keys simultanealy :   , on the controller status screen



this screen appears:





**Note :** As soon as you are in the programming menu,  
" PROG " appears on the screen.




**Note :** To prolong battery life, the screen automatically goes blank after 1 minute if no keys are pressed.



**1/ Select the time mode :**


Use the  and  keys





Press the  key to validate and move to next function.


**2/ Set the current year. Example : 2003**

Use the  and  keys.



Press the  key to validate and move to next function.


**3/ Set current month. Example : 12 = December**

Use the  and  keys.



Press the  key to validate and move to next function.


**4/ Set date. Example : 31 December**

Use the  and  keys.



Press the  key to validate and move to next function.


**5a/ Set current time in hours**

Use the  and  keys.

Press the  key to validate and move to next function.

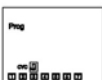
**5b/ Set current time in minutes**



Use the  and  keys.

Press the  key to validate and move to next function.

**6/ Set water days**


" CYC " appears on the screen.




Use the  and  keys to decide which calendar (cycle) you want :



- 7-day cycle
- even day / date
- odd day / date (with or without watering on the 31st)
- Custom cycle : 1/ up to 15 days




Decide which calendar (cycle) you want and follow the corresponding instructions.


Press the  key to validate and move to next function. (" CYC " disappears)

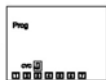
**6.1/ 7-day cycle**


Use the  key to move the cursor through the days of the week (1 to 7, 1 = Monday).


The  and  keys are used to set or cancel water days.

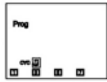
The  key cancels water days and the square disappears. To set a water day, place the cursor on the corresponding day number and press . Press the  key to validate and move to Step 7.


Press the  key to move to next programming schedule.


**6.2/ Even day date watering**

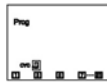
Press the  key to validate and move to Step 7.


Press the  key to move to next programming schedule.


**6.3/ Odd day date watering except the 31st**

Press the  key to validate and move to Step 7.



Press the  key to move to next programming schedule.

**6.4/ Odd day date watering including the 31st**

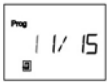
Press the  key to validate and move to Step 7.



Press the  key to move to next programming schedule.


**6.5/ Custom schedule****a) Set length of the cycle (from 1 up to 15 days)**

The  and  keys are used to set a variable cycle : 15 days, 14 days, etc.

Press the  key.

**b) Set current day**

Use the  and  keys.



Press the  key to validate and move to Step 7.





### 7/ Set the length of watering time



Use the  and  keys to set the watering time from 1 minute

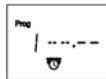
to 12 hours in 1-minute increments.



The watering time appears in hours and minutes.






### 8/ Set time of day to start watering

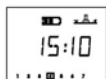
You can start a watering cycle up to 8 times per day if you prefer several short waterings.



Use the  and  keys to set the first start time.

Then press the  key to move to the next start time. Repeat above procedure.


**Note :** It is not necessary to use all 8 start times ! The controller will automatically file your start times in chronological order from 00:00 to 23:59. To cancel a start time: When you see the start time you want to cancel, hold down the  or  keys until the following screen appears :



### 9/ Controller status screen


You have now completed all programming for automatic irrigation.

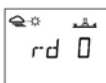
In the future, this screen will appear the first time you press any keys when the screen is blank.



Optional functions follow. Press 



### 10/ Set Rain Delay

You can delay watering from 1 to 15 days during rainy weather. Press  or



to make the setting. The icon  and  icon appear in all screens. Each day the controller counts down the number of days remaining before automatic irrigation programs will resume normal watering schedules. Restart is automatic.



**Note :** to cancel a Rain Delay, access the screen and reset the number of days to 0. Remember that it is impossible to manually start irrigation during a Rain Delay.



### 11/ Water Budget

The controller has a Water Budget function used to adjust watering time from 0 to 200% without re-setting run time. A setting of 100% means that station will run according to its programmed watering time. The Water Budget feature can be useful for cutting back watering during cool winter months, or for increasing watering during periods of unusual heat.



Use the  and  keys to increase or decrease the watering time in 10% increments.

**Example :** "80" in the display means you have reduced watering time by 20%. An initial duration of 10 minutes which you previously programmed will be cut to 8 minutes. The increased or decreased run time will not appear in the display. However, the controller status screen display shows the % icon to indicate that the Water Budget is being used. To turn off the Water Budget, call up the % display and set the percentage to 100.




## 12/ Manual start

2 steps :

a) Set adjustable counted down run time:


By default, the WP1 shows the programmed watering time. If you want to change this watering time, use the  and  keys.

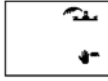
Then press the  key.




b) Manual start

Then press , Watering starts.



If you wish to stop watering before the programmed time is completed, press the  key.




## 13/ System On/Shutdown

The default mode is "On" which allows programmed watering to take place. You can prevent watering (rainy weather shutdown) without changing the scheduled watering programs. Access the display with the blinking cross on the sprinkler. To prevent watering, press . The cross stops blinking.



If you move through the menu by pressing the  key, you will see that the non-blinking cross appears in all the Displays. No watering, either automatic or manual, will take place. To return to the watering mode, press the .

key until the blinking cross display appears in the screen above.

Now press the  key. The cross disappears

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### DECLARATION OF CONFORMITY TO EUROPEAN DIRECTIVES

I declare that the WP1 type device, an irrigation controller, conforms to the European Directives 89/336/CEE and 93/31/CEE concerning electromagnetic compatibility. The WP1 type device is battery powered. General information about your WP1 controller is located on the back of the controller.

Aix en Provence, 01/09/03  
General Manager  
RAIN BIRD EUROPE  
Signature

