

IMPORTANT: A delay of 2-3 sec. between pressing ON or OFF to the actual response of the valve was design to save energy

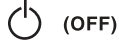


To Water Manually.

NOTE!

To get to Manual mode from any position, press continuously.

AUTO



**WATER BUDGET
PI & PII**

When you wish to either increase or decrease watering time for all stations in a program, you can do it by using percentage scaling. Your current setting of watering time represent 100%. You can get to Water Budget position from any Watering Time position. Press until you pass all stations and display show 100 and the active stations in that program are flashing. Press to increase and to decrease the percentage. EX: If stations in PI are set at 10 minutes runtime and you increase percentage to 150%, they will run 15 minutes each. (The new 100%) Press to skip to MANUAL mode.

IMPORTANT INFORMATION

- The button leads you through the programming steps.
- Auto Return: If within 3 minutes you do not touch any button, the controller will automatically return to Auto mode except from MANUAL mode.
- Quick Digit advance: If you Press or continuously, the digits will advance quickly.
- Reset display back to OFF: If you press and simultaneously and hold for few seconds, the digits displayed will reset back to OFF.
- Program Erase: In Auto Run mode, press and simultaneously until arrow starts to flash. It will flash 5 times to complete Program Erase.



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INSTRUCTION MANUAL

**Junior DC
Installation instructions:**

Mount the controller on the wall, using the wall mount bracket or on the valve, using the valve mounting bracket.

Connect the solenoid wires to the controller. Each cable coming out from the controller is marked with a station number. Connect RED from solenoid to RED from controller and the same for the BLACK wire.

Use the WaterProof Crimp Connectors to make the connections. Unused wires should be taped to prevent short circuit.

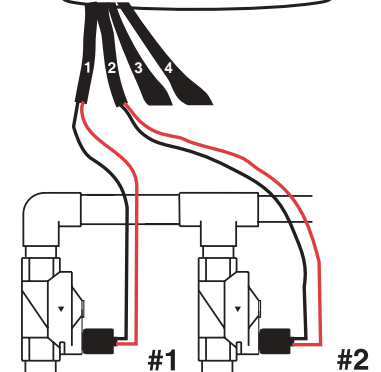
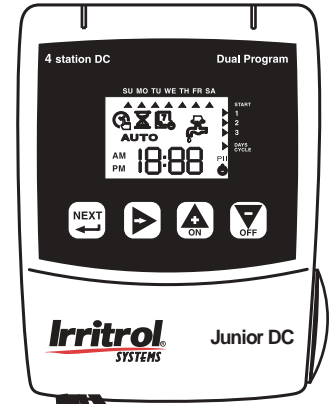
Connect the wires FIRST before installing the battery!

When battery is connected the controller checks the valves position to make sure they are closed!

9 volt Valve -

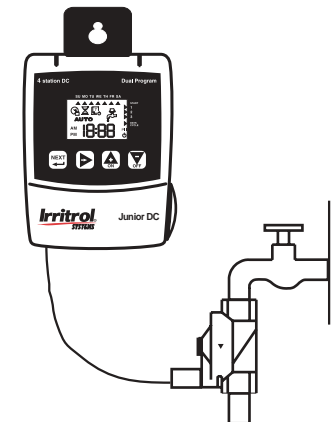
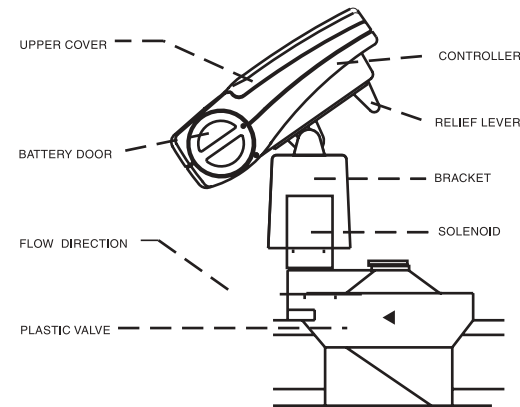
A 9 volt, pulse operated solenoid must be used with this controller. It is also referred to as: 9 volt latching solenoid. The solenoid could be 2-way or 3-way for hydraulic valve applications.

Note: Illustration represents 2 valve application.

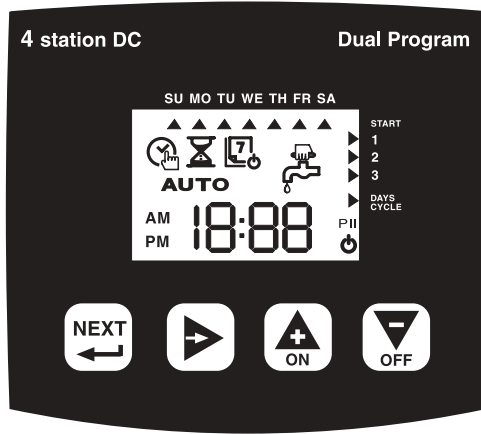


Controller mounted on valve:

Controller mounted on wall:



THE CONTROL PANEL:



The control buttons:

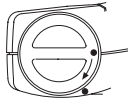
NEXT "NEXT STEP"-Advance to next programming step.

▶ Advance Days & Station number. In watering time position will lead you to % scaling.

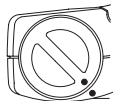
Battery connection

Please make sure that your 9 volt battery is an ALKALINE battery of good quality. Under normal use, the battery should last for one irrigation season. **Low battery indication** will start flashing when battery is low. Replace battery.

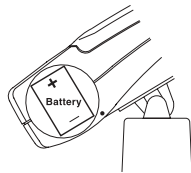
Step 1: Turn the battery door clockwise, about 45°.



Step 2: Pull the battery door.



Step 3: Insert a 9 volt **ALKALINE** battery with + facing the front panel.



Step 4: Push the battery door back to its position as shown in step 2. Turn counter clockwise to its original position.

Irrigation Program

Irrigation program consists of 3 parameters:

1 Watering duration for each station **2** Irrigation Days **3** Program Start Time
Each station can be assigned to a program by entering Water Time in that program. Stations can be assigned to both programs.

Display Icons:

Set current TIME & DAY

Watering duration time

Irrigation Days ON / OFF

Manual or Semi-Auto

AUTO Automatic operation

PI & PII Program 1 & Program 2

OFF - no watering

Station Number Icon

Low Battery (flashing)

Increase TIME & Watering Time. Used also as "ON" for Days ON and Manual ON.

Decrease TIME & Watering Time. Time. Used also as "OFF" for Days OFF & Manual OFF.

PROGRAMMING STEPS

NOTE: If you press or continuously, the digits will advance quickly.



To Set the Current Day and Time.

After connecting the battery, the controller should display the "SET TIME/DAY" Icon. If not, Press until it is displayed.

Press until arrow points to current day.

Press or to set current time.

Press to enter watering time.



To Set the Length of Watering Time.

Enter Watering Time to all stations you wish to assign to this program. Each station can be programmed to have different Watering Time.

Press or to set the watering time

Press to select your next station in this program. (JRDC-4) Repeat for all the stations.

Press to advance to next programming step.



Setting the Days of the Week.

You can either select the days of the week you wish to water or select days cycle. Arrow under SU is flashing.

Press for the days you wish to water.

Press for the days you wish to skip irrigation.

OR

DAYS CYCLE

Press until arrow points to days cycle.

Press or to select your days cycle.

To Set the Number of Days Between Watering.

Notice that two sets of digits are displayed (). The right digit will display the selected days cycle while the left digit will display the remaining days to irrigation. If 1 is selected = Every day. 2=Every other day. 3= once every 3 days and so on.

Press if you wish to return to "days of the week"

Press to program the start time.



To Set Watering Start Time(s).

Press or to set the time. (Notice the AM & PM)

Press to set next (2nd) start time.

At the time you selected, the 1st station of Prog. 1 will start watering. Other stations in this program will operate sequentially, one after the other, automatically.

To enter program 2 (PII) Press and repeat from **1** to **3** .

To skip program 2, Press continuously until you reach Manual .