ISC-B+ Quick Programming Guide

A five page guide to operating the Rain Bird ISC-B+ irrigation controller

Clearing Programs From Non-Volatile Memory.

- 1. Press the SELECT STATION key (the display shows 1 and a group letter and the run time).
- 2. If the display shows 1A 10n, then Press the up Change arrow two or three times.
- 3. Press and hold both the ON/OFF key and the WATER TIMES key for 10 seconds. This will cause the controller to revert to the default program.
- 4. The display should now show 1 A 10n
- 5. The time display should not be affected by clearing the memory.

Default Program.

The default program is as follows. All stations are on the A group, set to water beginning at 8:00 AM, 10 minutes per station, seven day cycle, water each day.

Common Misconceptions.

This controller is too complicated for me to program or understand!

This is an appearance issue. There is a short cut to the programming function that makes this an easy to program electronic controller. *see DITTO section below.

Start Times

It is difficult to calculate the start times/station run times to get the controller to operate a series of stations. Solution; If you program all of the stations with the same start time, the controller will automatically stack the starts and provide a sequential run, operating first the lowest numbered valve. When it has run it's programmed time it will close and the next valve in sequence will begin.

Programs or Groups

This controller appears to have 4 programs, but this is not the case. The controller is capable of operating multiple valves simultaneously by assigning valves to A, C, D or E Groups (B is not used as it looks like the number 6 on the led display). The Group feature should be used only if the water supply is large enough to sustain large flow volumes. To use this feature; Assign start times and water days to other Grouped valves that are the same. If you want group C to run with group D they need to have the same start time and water days.

Group A (the designator used in the following example watering schedule) is in fact completely independent in action. In other words, any station programmed in the A Group has independent properties and can be assigned different water days or start times than any other station in the A Group.

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Quick Programming for the ISC-B+

You need to know a few things about the area you are irrigating.

- 1. How many valves or stations is the controller operating?
- 2. How many different types of plant materials are you irrigating?
- 3. Does your site have any watering restrictions such as no water between the hours of 7:00 AM and 5:00 PM?
- 4. Make a simple watering schedule before you completely reprogram your controller. Hint; group similar stations together to make programming easier.

example of a simple watering schedule;

example of a simple watering concade,			
Water Days	Start Time	Run Time	Station Description
Turf Grass Stations			
TU, TH, SU	6:00AM	23 min	Turf, east driveway
TU, TH, SU	6:00AM	12 min	Turf, east driveway
TU, TH, SU	6:00AM	15 min	Turf, north lawn
TU, TH, SU	6:00AM	45 min	Turf, east lawn
TU, TH, SU	6:00AM	9 min	Turf, east median
TU, TH, SU	6:00AM	12 min	Turf, south lawn
TU, TH, SU	6:00AM	33 min	Turf, south driveway
Shrub Stations			
MO, WE	6:00AM	8 min	Roses, east driveway
MO, WE	6:00AM	8 min	Roses, north fence
MO, WE	6:00AM	8 min	Roses, south driveway
MO, WE	6:00AM	8 min	Juniper, south fence
MO, WE	6:00AM	8 min	Juniper, East median
MO, WE	6:00AM	8 min	Forsynthea, west street
MO, WE	6:00AM	8 min	Forsynthea, south street
MO, WE	6:00AM	8 min	Forsynthea, west windows
MO	6:00PM	1.4 hr	Eucalyptus, west fence
	Water Days tations TU, TH, SU MO, WE	Water Days Start Time tations TU, TH, SU 6:00AM MO, WE 6:00AM	Water Days Start Time Run Time tations TU, TH, SU 6:00AM 23 min TU, TH, SU 6:00AM 12 min TU, TH, SU 6:00AM 15 min TU, TH, SU 6:00AM 9 min TU, TH, SU 6:00AM 12 min TU, TH, SU 6:00AM 33 min TO, TH, SU 6:00AM 8 min MO, WE 6:00AM 8 min



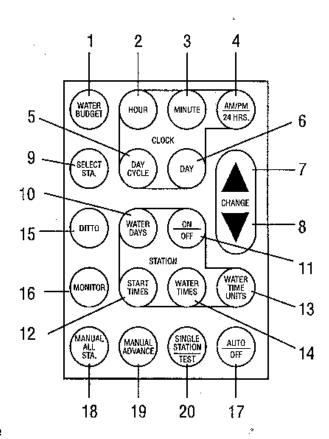
ISC-B+ Keyboard Layout

- 1. WATER BUDGET adjust all station water times up or down by percentage (default value is 100 %)
- 2. HOUR set the display clock hour
- 3. MINUTE set the display clock minute
- 4. <u>AM/PM</u> toggle between military and 24 HRS. AM/PM time display
- 5. <u>DAY</u> set the controller's repeat interval CYCLE 7 is a week 14 is 2 weeks, etc.
- 6. DAY set the current day in the day cycle, 2 is Tuesday, 5 is Friday, etc.
- 7. **A** CHANGE (referred to as the UP Arrow)
- 8. ▼ CHANGE (referred to as the DOWN Arrow)
- 9. SELECT scroll from lowest to highest station STA.
- WATER scrolls through the watering days DAYS
- 11. ON set days ON or OFF (OF) = OFF
- 12. START set station start times TIMES
- WATER set individual station operating time TIMES
- 14. WATER set run time to minutes, 1 to 99 minutes
 TIME or fractions of an hour, 0.1 to 9.9 hours UNITS
- 15. DITTO copy all programming elements from one station to another station, for quick set-up of wa tering schedule.
- 16. MONITOR press to see currently watering station, may be used to add or subtract from displayed station's oper ating time, without affecting its program.
- 17. <u>AUTO</u> Rain Shutdown or manual off key OFF
- MANUAL starts a manual irrigation cycle of all ALL - programmed groups simultaneously STA
- MANUAL advance to the next programmed station ADVANCE
- 20. SINGLE starts single station(s)

 STATION

 TEST

KEYBOARD LAYOUT



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