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 auto-
matically 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 op-
erating 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 wa-
ter 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 inde-
pendent in action. In other words, any station programmed in the A Group has independent proper-
ties 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;

Station	Water Days	Start Time	Run Time	Station Description
Turf Grass Stations				
1	TU, TH, SU	6:00AM	23 min	Turf, east driveway
2	TU, TH, SU	6:00AM	12 min	Turf, east driveway
3	TU, TH, SU	6:00AM	15 min	Turf, north lawn
7	TU, TH, SU	6:00AM	45 min	Turf, east lawn
8	TU, TH, SU	6:00AM	9 min	Turf, east median
9	TU, TH, SU	6:00AM	12 min	Turf, south lawn
13	TU, TH, SU	6:00AM	33 min	Turf, south driveway
Shrub Stations				
4	MO, WE	6:00AM	8 min	Roses, east driveway
5	MO, WE	6:00AM	8 min	Roses, north fence
6	MO, WE	6:00AM	8 min	Roses, south driveway
10	MO, WE	6:00AM	8 min	Juniper, south fence
11	MO, WE	6:00AM	8 min	Juniper, East median
12	MO, WE	6:00AM	8 min	Forsynthea, west street
14	MO, WE	6:00AM	8 min	Forsynthea, south street
15	MO, WE	6:00AM	8 min	Forsynthea, west windows
Drip Station				
16	MO	6:00PM	1.4 hr	Eucalyptus, west fence

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. AM/PM - toggle between military and
   24 HRS. - AM/PM time display

5. DAY - 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. ▲ CHANGE - (referred to as the UP Arrow)

8. ▼ CHANGE - (referred to as the DOWN Arrow)

9. SELECT - scroll from lowest to highest station
   STA.

10. WATER - scrolls through the watering days
    DAYS

11. ON - set days ON or OFF (OF) = OFF

12. START - set station start times
    TIMES

13. 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. AUTO - Rain Shutdown or manual off key
    OFF

18. MANUAL - starts a manual irrigation cycle of all
    ALL - programmed groups simultaneously
    STA.

19. MANUAL - advance to the next programmed station
    ADVANCE

20. SINGLE - starts single station(s)
    STATION
    TEST

KEYBOARD LAYOUT