

# Controller Programming Info. Sheet



## Hunter Pro-C, ICC, XC & SRC

- o **NO pre-programmed test program**—to create one:
  - o Turn main dial to station run times
  - o Push “PGM” button until “C program” shows on display
  - o Push + twice, to make each zone run 2 minutes, use → to advance to next zone, repeat + and → for each zone.
  - o Turn dial to “MANUAL All Zones” then turn dial to “RUN”
- o **Rain shut-off active/bypass switch on face**—to see if a rain shut-off device is actually wired into controller, open face like turning a page in a book, find “SEN” wire connection area. If wires are there, a sensor is attached to controller. Ensure that metal plate is removed from SEN spot.
- o 9v battery not needed
- o New models have snap in modules to increase # of zones
- o 4 start times
- o A, B, C programs, D program on ICC
- o Nice feature—able to move time/stations forward & backwards (also can be confusing at times—too many choices)
- o Has interval watering feature, able to choose “days left”—this may also be a confusing, as display shows the day of week at bottom **and** the day interval
- o Water budget feature (%)—change in increments of 10, up to 150%—display only shows bar lines, unless dial is on “Run”. When dial is on the “run times” position, the time displayed is the actual run time, even w/ the water budget not at 100%
- o No default program



## Irritrol Total Control

- o **NO pre-programmed test program**—to create one:
  - o Turn dial to STATION TIMES
  - o Push + (ON) button to add minutes to zone 1
  - o Push → (NEXT) button to advance to next zone, push + button to add minutes...repeat for all active zones.
  - o Turn dial to MANUAL PROGRAM CYCLE then push + (ON) button. Program will start.
- o **Rain shut-off active/bypass switch behind face**, must turn face to see how switch is set and if a sensor is wired into controller.
- o Requires 9v battery to save programs (not date/time)
- o No default program in event of power outage
- o A, B, C, D programs
- o 16 start times!!!
- o Water budget features (%) in increments of 10, up to 200%. The % sign will display when percentage is NOT 100%, when dial is in the “run” position.
- o Run times shown are the actual times, even if adjusted by the water budget
- o Able to do day cycle and choose day currently on
- o Buttons are pretty easy to use, not confusing
- o Very large dial



### Irritrol Rain Dial Series

- o **NO pre-programmed test program\*\***—to create one:
  - o Flip program switch (on upper left corner) to “C”
  - o Make sure bottom, center switch is in center “PROGRAM” position
  - o Turn dial to 1 in “station run times” section, press + button twice to make zone 1 run for 2 minutes
  - o Turn dial to 2 in “station run times” section, repeat + for each zone
  - o Push “Semi-Auto” button to start cycle.

**\*\* NOTE:** New rain dials have a “secret” test program: to access:

1. Turn the Dial to the SKIP DAYS position. Leave the FUNCTION switch in RUN position.
2. Press the MANUAL button to display “T:02 MIN.” All station numbers with an assigned run time will be displayed.
3. Press the + or — button to set a test run time for all displayed stations at once from 1 to 10 minutes.
4. Press the SEMI-AUTO button. The first station in sequence will turn on and run for the set time.
5. Turn the Dial to the CURRENT TIME position. The display will show the time of day and the currently operating station number.
  - o **NO rain shut-off on/bypass switch**—must open face, like turning page in book, to see if the rain sensor is wired into common wire.
  - o Default program 10 min every zone/everyday after power outages
  - o Requires a 9v battery to keep programs
  - o 3 start times
  - o A, B, C programs
  - o Does skip days, able to choose what day you are on.
  - o Up to 6 zones
  - o Pretty small in size
  - o No water budget feature



### Rainbird ESP-LX & -LXi Series

- o **Preset test program feature**—to start:
  - o Turn dial to “TEST”
  - o Use the ON and/or OFF buttons to change the number of minutes you want each zone to run (default time is 2 minutes)
  - o Press the “MAN START/ADVANCE” button
  - o Turn dial to “AUTO”
- o **Rain shut-off active/off switch on face AND** a light alerting user when sensor is active—To see if a rain sensor is actually wired into controller, open face (like turning page in book) and see if wires are in

“SENSOR” spot and that yellow jumper cables are removed.

- o Requires a 9v rechargeable battery to save programs (not date/time)
- o Water budget feature (%)—displays verbiage “water budget” when the budget is **not** at 100%
- o Able to change % in increments of 1%, only changes the program selected
- o A, B, C, D programs
- o 6 start times per program
- o Does day cycle & able to choose “day remaining”
- o A little confusing to set times, have to make sure specific numbers are blinking



### Rainbird Modular

- o **Has a pre-programmed test program**—to start:
  - o Turn dial to TEST ALL VALVES
  - o Pre-set for 2 minutes per station, use ↑ ON and ↓ OFF buttons to increase or decrease runtime
  - o Push MANUAL START ADVANCE button to begin program
  - o Turn dial to AUTO
- o Rain sensor on/bypass switch on face—to see if a rain sensor is actually wired into controller, open face and look

for wires in the SEN location of the board.

- o All other features almost identical to the Rainbird ESP series.



### Rainbird ESP & ESP-Si (controllers are discontinued)

- o No pre-programmed test program—to make one:
  - o Push A/B button so that “PGM B” shows on display
  - o Turn dial to 1 in the “Watering time per station” section
  - o Push ON twice for 2 minutes, turn dial to 2 in same section, push ON, etc...for each station
  - o Push MAN START/ADV button to start program.
- o Rain shut-off must be wired into common wire, no off/active switch, nothing to indicate if working or not
- o Requires a lithium button battery to save programs (not date/time)
- o Default program of 10 min per station, starting at 8am, everyday (if switch is on “custom”) or the fixed interval if adjusted to that (i.e. every 5, 3, or 2

days)

- o A & B program only; 3 start times per program
- o At most, can only go 7 days before watering again
- o Both A & B program have to have the same cyclic cycle (i.e. every 5 days) or must both have a custom (i.e. day of week), **cannot** be mixed.
- o Water budget feature (%) in increments of 10—up to 200%--words “water budget” will display when not set at 100%. Station run times will **not** display the length actually being watered.
- o Any changes to the water budget, changes BOTH programs



### Rainbird E-6 (controller is discontinued)

- o Box cover slides up
- o **Test program feature**—to start:
  - o Turn dial to “TEST”
  - o Use + and – buttons to increase or decrease time each station will run, in minutes. Default is 2.
  - o Push “ENTER” button to start program.
  - o Turn dial to “AUTO”
- o Very small display and face—hard to read
- o Water budget feature (%)
- o **Rain shut-off off/on switch located under bottom panel**, must remove panel to see if wires are attached in “SN” spot.
- o Not sure if it takes a battery or not
- o A bit confusing to determine what the watering day actually is: display

shows day names and numbers.

- o A, B, C programs