HRC 400 Programming

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Program Button (ABCD)

Your sprinkler controller provides the flexibility of using 4 independent programs (A, B, C, D). A program is where you store all of your sprinkler settings. It consists of a group of valves set to specific start times and run times. Multiple programs allow you to run different valves on different days with different run times. While many applications only require one program (A), using multiple programs can be useful for drip areas, newly planted lawns, or commercial applications. Using programs to group stations with similar water needs will maximize irrigation efficiency.

For example, you could set your lawn zones to run on program A, your flowerbeds to run on program B, and your garden to run on program C. Or, you can use smart watering. The controller will use local weather and on-site information to automatically set a watering schedule for you.

The PROG ABCD button toggles between programs when setting up or modifying start times, run times, how often, and budget.

Press PROG ABCD to turn on or off programs that have been set up. A, B, C, D, or the leaf-drop icon will illuminate to show which programs are active and will water. When watering in smart mode the leaf drop icon will show on the display.

Note: If you do not see the program letter (A, B, C, D, or leaf-drop) in the display, that program will not water. Press PROG ABCD until you see the program(s) that you wish to water.

Note: Always be aware of the program you are in (A, B, C, or D) when you are making changes.

Date/Time

If you are connected to Wi-Fi, the time and date will automatically be sent to the sprinkler controller. To set the date and time manually follow these instructions:

1. Turn the dial until the selection box is on DATE/TIME.
2. Press the dial. You will now see the Y (Year) flashing.
3. Turn the dial until the current year is displayed.
4. Press the dial to confirm the year. You will now see the M (Month) flashing.
5. Repeat steps 3 & 4 to enter the month and day.
6. After the day is confirmed, the time will start flashing.
7. Turn the dial until the current hour is displayed. ***Note***: Continue turning the dial to go between am and pm. It is important to verify that the am or pm selection is set correctly.
8. Press the dial to confirm the hour.
9. Repeat steps 7 & 8 for the minutes.

Your Date and Time are now set.

Start Time

This is the time of day that your programmed watering starts, the first zone will begin watering on the 1st
start time. You can set up 4 start times. When a start time is set before the previous program has been completed, that start time will be delayed, and will start upon completion of the previous program.

Tip: Only one start time is needed to run all of your zones.

1. Turn the dial until the selection box is on START TIME.

2. Press the dial. You will now see the hour dashes (--) flashing.
3. Turn the dial until the desired start time hour is reached. ***Note***: Continue turning the dial to go between am and pm.
4. Press the dial to confirm the start time hour. You will now see the minute dashes (--) flashing.
5. Turn the dial until the desired start time minutes are displayed.
6. Press the dial to confirm the start time minutes.

After pressing the dial, the controller will automatically advance to the 2nd start time. If additional start times are needed, repeat this process. Additional start times are helpful to avoid runoff and allow time for the soil to absorb the water.

Example: Bill just planted new grass seed and wants to water three times per day. He sets START TIME 1 for 5 am, START TIME 2 for 12 pm, and START TIME 3 for 5 pm. He also sets HOW OFTEN to INT (interval) EVERY 1 DAY (see section 3, HOW OFTEN). In AUTO mode the system will water 3 times per day. Once Bill’s sod is established he can CLEAR start times 2 and 3 and return to watering just once per day.

- Press PROG ABCD to set up start times for additional programs and repeat the above steps.

Run Time

This is where you will set up how long of a watering duration each station will run. The station is the area
or zone that will be watered by each valve.

1. Turn the dial until the selection box is on RUN TIME.
2. Press the dial. You will now see the STATION number flashing.
3. Turn the dial until the zone number you want to program is reached.
4. Press the dial to confirm the zone. You will now see the MINS flashing.
5. Turn the dial until the desired duration for that zone is reached.
6. Press the dial to confirm the duration of the run time. ***Note***: Your controller will automatically advance to the next station and the MINS will be flashing.
7. Repeat steps 5 & 6 for each zone you wish to set up.

8. Press BACK to return to the main menu.

If you wish to set up zones in different programs (A, B, C, or D), press the PROG ABCD button until the desired program is displayed and repeat the steps.

Note: Press the BACK button to return to the main menu

How Often

There are three options when determining how often (what days or intervals) the controller will water.

- Days of the week (Mon, Tues, Wed, etc.)
- Intervals (Every “X” number of days)
- Odd or Even Days

Days of the week

1. Turn the dial until the selection box is on HOW OFTEN.
2. Press the dial. You will now see Su (Sunday) flashing.
3. Turn the dial until your desired day of the week is flashing.
4. Press the dial to confirm your selection and a frame will appear around the selected day.
5. Repeat this process until all of the desired watering days have a box around them.
6. Press BACK to return to the main menu.
7. Turn the dial to Auto and press the dial to select.

You have programmed your controller!

- To remove a previously entered day, turn the dial to the day and press the dial to de-select the day.
- If you wish to erase all watering days, press the CLEAR button.

Intervals

1. Turn dial until the selection box is on HOW OFTEN.
2. Press the dial. You will now see Su (Sunday) flashing.

3. Turn the dial to INT.
4. Press the dial to confirm. A frame will appear around INT and EVERY 1 DAYS will appear in the display. 1 will be flashing and is the default interval.
5. Turn the dial to increase the number, press the dial when your desired number of days between waterings is reached. ***Example***: An interval of 1 will water every day; an interval of 3 will water every 3rd day, etc.
6. Press BACK to return to the main menu.
7. Turn the dial to Auto and press the dial to select.

You have programmed your controller!

Odd or Even Days

1. Turn the dial until the selection box is on HOW OFTEN.
2. Press the dial. You will now see Su (Sunday) flashing.
3. Turn the dial to ODD or EVEN. Press the dial to confirm. A frame will appear around ODD or EVEN.
4. Press BACK to return to the main menu.
5. Turn the dial to Auto and press the dial to select.

Example: Odd: 1st, 3rd, 5th, etc.

Example: Even: 2nd, 4th, 6th, etc.

You have programmed your controller!

Auto

The controller should be in AUTO during the irrigation season and OFF in the winter months or the non-irrigation months. Turn the dial to the AUTO position and press the dial or just leave it there to keep it in AUTO.

If the dial selection is left in any position other than OFF, it will revert back to AUTO after approximately 20 seconds.

To turn your controller OFF, turn the dial to OFF and press the dial or just leave it in the OFF position.

Tip: You can change it to off or auto in the APP