



Node 100 Controller Programming Guide For Eclipse Automatic Flushing Devices



NODE CONTROLLER OVERVIEW

Below is a list of each of the standard menu screens that will appear when navigating. To navigate between menus, press the menu button as mentioned on the previous page.

1. 'Home menu' - current time, day and battery life indicator.



2. Setting 'current year, month, date, & time menu'



3. 'Flushing start times menu' (12 total available)

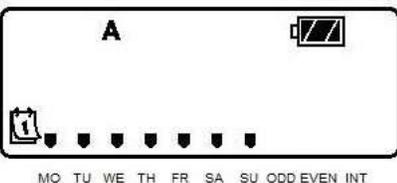


4. 'Run times program menu' (Duration of each flush)



5. 'Flushing days' menu – three different options are available -

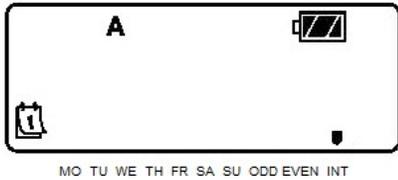
'Day of the week' flushing option – (recommended)



6. 'Odd or even days' option



5. 'Interval' option



7. 'Seasonal adjustment' menu – always leave at 100%



8. "Off" Menu



9. 'Manual/test flush' (this screen will only appear after right arrow is held down)



Setting the Date, Time, and Year



1. Press the  button to wake up the controller. Press the menu button to navigate between menus until the clock icon  is displayed at the top right.
2. the year will be flashing, press the  or  button to change the year. Once the proper year is on screen, press the right arrow to proceed to set the month and date.
3. On this screen, the month (numerical) will be flashing. Press the  or  button to change the numerical month shown on the display. Press the right arrow button to proceed to the date, where you will again use the  or  button to change the numerical date. Once the month and date are correct, again press the right arrow to proceed to set the time.
4. On this screen, the time will be displayed. The AM/PM/24 selection on the right side will be flashing. Use the  or  buttons to make the AM/PM/24 selection. Use the right arrow to then move over to the hour and then the minutes, and again use the  or  buttons to change.
5. When the time is correct, use the  button to proceed to the next menu, where programming your flush times will begin.

***The node automatically sets your day (Monday-Sunday) according to the yearly calendar/month/date that was set.

(The year, month, date, and time have now been set.)

Programming your Flush times and Durations

Step #1 – Setting flushing start times:



1. Push the program menu  button until the start times  icon is displayed as shown directly above.
2. Use the  or  button to change the start time (the start times advance in 1 minute increments). Hold either button down to change the time more rapidly.
3. If you need more than one start time, press the right arrow  button to select the next start time. Up to four start times are allotted per program (programs A/B/C). To change programs, follow step 4:
4. If you need more than one flush duration (i.e., one 15 minute flush and another 30 minute flush), you will need to add the additional start times to a different program, as each program will have the same flush duration. Press the program button  to toggle between the three different programs (A/B/C). Once on the program you want to use, repeat steps 2 and 3 above to set the additional start times.
5. Once all start times are input, press the menu button  to proceed to the next screen where you will enter your flush durations.

****To remove a scheduled flush from the controller, simply delete the start time. To do so, use the arrow buttons to change the time. The “Off” function falls between 11:59PM and 12:00AM, so move the start time to midnight, and press the minus button once more to turn off.**

Step #2 – Setting the run time (flush duration)

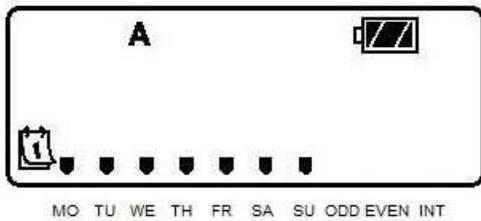


1. Press the menu  button until the hourglass  icon is displayed in the bottom right.
2. The run time will be flashing. The program letter (A/B/C) will be shown here also. If this is the first time setting, start with the letter A. There is also a number to the left shown, disregard this number, it will not be used for the flushing program. Continue below to set the run time.
3. Use the  or  buttons to increase or decrease length of flushing time (from 1 minute up to 6 hours). For rapid advancement, hold the buttons down for 2 seconds.
4. There are three different programs (A/B/C) available so that run times can be administered to each program, and different programs can be run (some seasons may need different flushing program times). If more than one flushing program is necessary, press the program button  to advance to each program (a, b, or c) in order to set a different flushing time frame for each program.
5. Please remember that when setting times, to make sure not to overlap time settings with duration (length of flush time) as this can keep the controller from starting or stopping a flush time correctly.

Step 3: Selecting which days to flush:

There are three different ways to select which days you want your unit to flush. The most common is to simply add which days of the week you want. You can also select odd/even/interval as your option.

Option 1: Days of the week (recommended)



When you arrive on this screen, the arrow icon above “MO” (Monday) will be flashing. To navigate between days without changing any settings, press the right arrow button. Whichever day is currently selected will have the flashing arrow icon. To add a day to your flush schedule, press the + button while that day is selected. After pressing the + button, the arrow above that day will be solid, and you will be moved to the next day. To remove a day from your flush schedule, simply press the minus button while that day is selected.

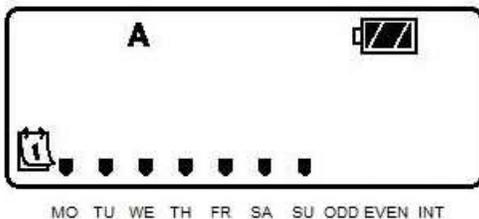
Option 2: Odd/Even/Interval

You can bypass the days of the week and also choose to flush on odd days, even days, or at certain intervals.

Odd example: Unit will flush at programmed times on 1st, 3rd, 5th of the month, etc.

Even example: Unit will flush at programmed times on 2nd, 4th, 6th of the month, etc.

Interval example: If you select “3” above interval, your unit will flush every 3 days.



To change the settings to odd/even/interval, use the right arrow button to navigate to those selections. When the arrow above “odd” is flashing, press the + button to flush on odd days. When the arrow above even is flashing, press the + button to flush on even days. To change to intervals, press the + button when the arrow above “INT” is flashing. You will then select what daily intervals you want to flush at.

Seasonal Adjustments and “Off” Menu

“Seasonal adjustment” allows you to temporarily decrease the amount of flushing you are doing without adjusting the scheduled programs.



The controller will default to 100% and can be adjusted by using the \oplus or \ominus buttons. This field will adjust in 10% increments. The percentage shown on this page will impact the **duration** of the programmed flushes. For example, if you have 20 minute flushes programmed, and you adjust this field to 50%, the programmed flushes will run for 10 minutes.

“Off” Menu is the final menu before returning to the home screen. This screen can be used for two primary functions:



- 1- If the unit is in the middle of a flush, resting on this screen for 3 seconds will override the schedule and stop the current flush. After the flush has been stopped, you can navigate away from this screen and future flushes will resume.
- 2- If you leave the controller on the “Off” menu, no currently schedule flushes will take place. This essentially turns the unit off. To turn back on, simply navigate away from this menu back to the home screen.

Resetting Your Node Controller

To reset your controller, press and hold down the minus button, the right arrow button, and the PRG button simultaneously. Keep holding the buttons down until three lines appear horizontally on the screen (---). This will erase all scheduled programs and reset the time, date, and year.

Run a Manual Test Flush

To run a manual test flush to ensure the controller is working properly, you have two options.

Option 1 –

Press and hold the right arrow button down for 2 seconds to initiate a test flush. Holding the right arrow button will start a flush that mimics the first flush duration you have entered (i.e., A program is set to 10 minutes, this will start a 10 minute test flush). You will have a brief 2 second period to change this flush duration with the plus and minus keys (hand will pop up with a duration as seen below). You can increase the test flush all the way up to 6 hours. Changing this duration will not impact your normally scheduled flushes.



Option 2 –

Press and hold the PRG button down for 2 seconds to initiate a test flush. Holding the PRG button will bring up a screen that will initially default to 0:00. You will then use the plus and minus buttons to set the duration of the manual flush. When using this method, you can only select a maximum of 15 minutes. Whatever duration you set will be saved under the PRG button when you use this function in the future.