

QUICK REFERENCE |

TIMER KIT FOR OPERATIONAL HOURS

The Smartpoint 4 timer (model Node-100) can have 3 different programs (A, B, C) with 4 start times per program. The  button is used to quickly and easily navigate and create the desired program. When programming, the flashing portion of the display can be changed by pressing the  or  buttons. To change something that is not flashing, press the  or  buttons until the desired item is flashing. The timer can operate using either a single 9-volt battery or using two 9-volt batteries. Using two 9-volt batteries will yield approximately twice the battery life of a single 9-volt battery. We recommend using 2x 9-volt batteries.

****Install the two 9-volt batteries and replace the battery cover cap securely****

Setting the Date and Time

1. Push the  button until the  icon is displayed.
2. All 4 digits will be displayed representing the year. Use the  or  buttons to change the year. Press the  button to proceed to setting the month.
3. All 4 digits will be displayed with the two digits on the left representing the month flashing. Use the  or  buttons to change the month. Press the  button to proceed to setting the day.
4. Only the two digits on the right side will be displayed and flashing. Use the  or  buttons to change the day. Press the  button to proceed to setting the time.
5. The AM/PM/24 time setting is shown flashing. Press the  or  button to change the time setting to AM, PM, or 24-hour time. Press the  button to proceed to setting the hour.
6. All 4 digits are shown with the two left digits flashing, representing the hour. Use the  or  buttons to change the hour. Press the  button to proceed to setting the minutes.
7. All 4 digits are shown with the two right digits flashing, representing the minutes. Use the  or  buttons to change the minutes. Pressing the  button will advance to the year setting at step #2.
8. Press the  button to proceed to the next programming function or allow the timer to return to "Idle" mode.



Setting the Operation Start Times

1. Push the  button until the  icon is displayed.
2. The start time will be displayed flashing, along with the program letter (A, B or C) and the start time number (1, 2, 3 or 4) in the upper left of the display. Up to 4 different start times can be set for each program.
3. Use the  or  buttons to change the start time for the program that is displayed. Each press of the button will change the start time in 15 minute increments.
4. Press the  button to add an additional start time to the program displayed. The start time number is shown in the upper left corner of the display.
5. Press the  button to add start times to a different program.
6. Press the  button to proceed to the next programming function or allow the timer to return to "Idle" mode



Note: We recommend using maximum 2 programs if necessary. Ex: Program **A** for Monday to Friday and Program **B** for Saturday and Sunday, if different operation hours are required on weekends. Otherwise, use one program for all 7 days and the same operation hours.

Setting the Run Times

1. Press the  button until the  icon is displayed.
2. The run time will be displayed flashing. Also shown is the program letter (A, B, or C) and the active "station #" on the lower left side of the display. Use the  or  buttons to change the station run time from 1 minute to 6 hours.
3. Press the  button to add a run time to another program.
4. Press the  button to proceed to the next programming function or allow the timer to return to "Idle" mode.



Note: The NODE-100 Timer only has the ability to control 1 DC Latching Coil, so only 1 "station" should be programmed.

Setting the Program Run Days

1. Press the  button until the  icon is displayed.
2. The program letter (A, B, or C) will be displayed.
3. Arrows point at the specific days of the week in which the operational hours will run. Press the  or  buttons to scroll through the days.
4. Press the  button to activate that day for the program displayed, or the  button to cancel operation for that day. **The arrow will show on the operating day for the active program.**
5. Press the  button to set operating days for a different program, if desired.
6. Press the  button to proceed to the next programming function or allow the timer to return to "Idle" mode.



Turning the Timer Off

1. To turn the timer off, press the  button until the  icon and **Off** is displayed on screen. To return the timer to **auto programming** mode, press the  button. The timer will immediately return to **auto programming** mode and will display the time and battery life indicator.



Manual Operation (programming bypass)

Manual Operation allows the user to bypass the programmed operating hours and run the system for desired amount of time (1 minute to 6 hours) or to run a saved program.

1. Make sure the timer is in the "Idle" mode. Press and hold the  button until the  icon is displayed.
2. The "station" number will be displayed in the lower left side of the display along with the run time.
3. Use the  or  buttons to select the desired "station" and the  or  buttons to set the manual operation time.

- To manually activate a program, press the **PRO** button. The program letter (A, B, or C) will show on the screen. If a different program is needed, press the **PRO** button until the desired program is displayed.
- To stop the Manual Operation, press the **STOP** button until the time is reduced to zero.
- Press the **STOP** button to proceed to the next programming function or allow the timer to return to "Idle" mode.



Easy Retrieve Memory

This function allows the user to save a preferred program to permanent memory in the timer, to be restored at any time. This is a great way to override changes made, and revert back to the original programming schedule.

To Save a Program:

- Make sure the timer is programmed with the preferred operational hours.
- From the "Idle" mode, press and hold the **STOP** and **PRO** buttons for 5 seconds to save the current program.
- The screen will show 3 dashed lines moving from left to right indicating that the current program is being saved to permanent memory. The display will flash **Done** when the process is complete.



To Retrieve a Saved Program:

- From the "Idle" mode press and hold the **STOP** and **PRO** buttons for 5 seconds.
- The screen will show 3 dashed lines moving from right to left indicating that the preferred program is being retrieved from memory. The display will flash **Done** when the process is complete.

⚠ Note: Be careful when using Easy Retrieve memory. Saving program data to memory using Easy Retrieve will take the current program information and override whatever is saved in permanent memory. When saving program data make sure that the current program data is what you want

Timer Quick Check

This circuit diagnostic procedure can quickly identify "shorts" commonly caused by faulty solenoids. To initiate the Quick Check procedure:

- From the "Idle" mode, press and hold the **STOP**, **STOP**, **PRO**, and **PRO** buttons.
- The display will show all segments. Release the buttons.
- Press the **STOP** button to initiate the Quick Check test.
- The timer will then activate each available "station" for 1 second until all "stations" have been activated.

Battery Life Indicator

The remaining battery life can be estimated from the battery life indicator shown on the display.

- Full: 100 – 60% remaining battery life
- Med: 60 – 25% remaining battery life
- Low: 25 – 0% remaining battery life
- Replace battery immediately!

Resetting the timer will erase the current program data and restart the timer. A reset does not, however, delete a programmed saved to permanent memory using the Easy Retrieve Memor feature to save a preferred program.

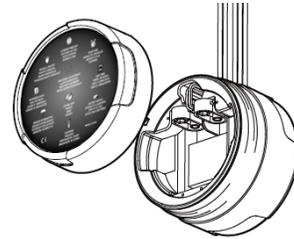
- From the "Idle" mode, press and hold the **STOP**, **PRO**, and **PRO** buttons.
- After 2 seconds the screen will go blank. Continue to hold the buttons.
- 12:00 will flash on the display. Release the buttons.
- The timer may show a countdown from 10 to 1 on the display, and then 12:00 AM will be shown flashing when the reset is complete. The timer can now be reprogrammed.

Troubleshooting Guide

Problem	Causes	Solutions
There is no display.	Display is off. Battery is dead.	Press any button for 1 second. Replace the battery.
Display indicates an operational time but there is nothing happening.	No water pressure. Faulty solenoid. Incompatible solenoid. Features not activated.	Turn on main water supply. Replace solenoid Must use Hunter DC Latching Solenoid (P/N:458200) or other compatible solenoid. Press the Activator to activate spray sequence.
Automatic Operation does not start at start time.	Timer is in OFF mode. AM/PM of time of day not set correctly. AM/PM of start time not set correctly	Verify timer is in Auto Programming mode. Correct AM/PM of time of day. Correct AM/PM of start time.



NOTE: The NODE has non-volatile memory which allows for the battery to be removed without losing program information.



Replacing the battery / batteries

- Unscrew the rear of the timer body to gain access to the battery compartment.
- Remove the old battery / batteries from the battery connector and the battery tray and discard them.

RESPECT THE ENVIRONMENT ♻ RECYCLE

- Insert the new battery / batteries into the battery tray and connect to the timer using the battery connector.
- Make sure that no water is inside the battery compartment.
- Screw the timer rear body back onto the front half securely.