**Quick Reference 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 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 two 9-volt batteries.

## Quick Reference

**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 hour.
5. The AM/PM/24 hour 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 right 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 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 active "station" on the lower left side of the display. Use the or buttons to change the time displayed. Each press of the button will change the start time in 1 minute increments.
3. Press the button to add an additional start time to the program displayed. Use the or buttons to add start times to a different program.
4. Press the button to proceed to the next programming function or allow the timer to return to "Idle" mode.

### Setting the Run Times

1. Press the button until the icon is displayed.
2. The run time will be displayed flashing. Use the or buttons to change the 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.

### 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. Use 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.
4. To manually activate a program, press the button. The program letter (A, B, or C) will show on the screen. If a different program is needed, press the button until the desired program is displayed.
5. To stop the Manual Operation, press the button until the time is reduced to zero.
6. Press the button to proceed to the next programming function or allow the timer to return to “Idle” mode.

![Timer Display](image)

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:
1. Make sure the timer is programmed with the preferred operational hours.
2. From the “Idle” mode, press and hold the and buttons for 5 seconds to save the current program.
3. 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:
1. From the “Idle” mode press and hold the and buttons for 5 seconds.
2. 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:
1. From the “Idle” mode, press and hold the , , , and buttons.
2. The display will show all segments. Release the buttons.
3. Press the button to initiate the Quick Check test.
4. 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**

Replacing the battery / batteries
1. Unscrew the rear of the timer body to gain access to the battery compartment.
2. Remove the old battery / batteries from the battery connector and the battery tray and discard them.
3. Insert the new battery / batteries into the battery tray and connect to the timer using the battery connector.
4. Make sure that no water is inside the battery compartment.
5. Screw the timer rear body back onto the front half securely.