

AF-FFS15141

AFM Flex Fuel Sensor Kit for Holley EFI Systems



General Installation & Setup Guide

Installation of this flex fuel sensor kit is generally simple. The plug and play wiring harness included requires the installer to select an input from your Holley system to allow it to function. If your system already has a flex fuel sensor plug terminated in your harness you may disregard the use of the included harness.

1. Mount the flex fuel sensor inside of the included Aeromotive fuel line adapter.
2. Install your two-line fitting adapters into the Aeromotive line adapter. (Note* these are 10an ORB style female ends) We recommend minimum 8an or 10an for running E85.
3. Find a spot to mount the sensor assembly along the feed side of the fuel lines (We recommend somewhere cool and away from harsh elements) Under the vehicle can be fine if it is protected from road elements)
4. Cut and install new male fuel feed fittings to connect to the new sensor assembly.
5. Tighten the new fuel fittings and mount the sensor assembly in its final location.

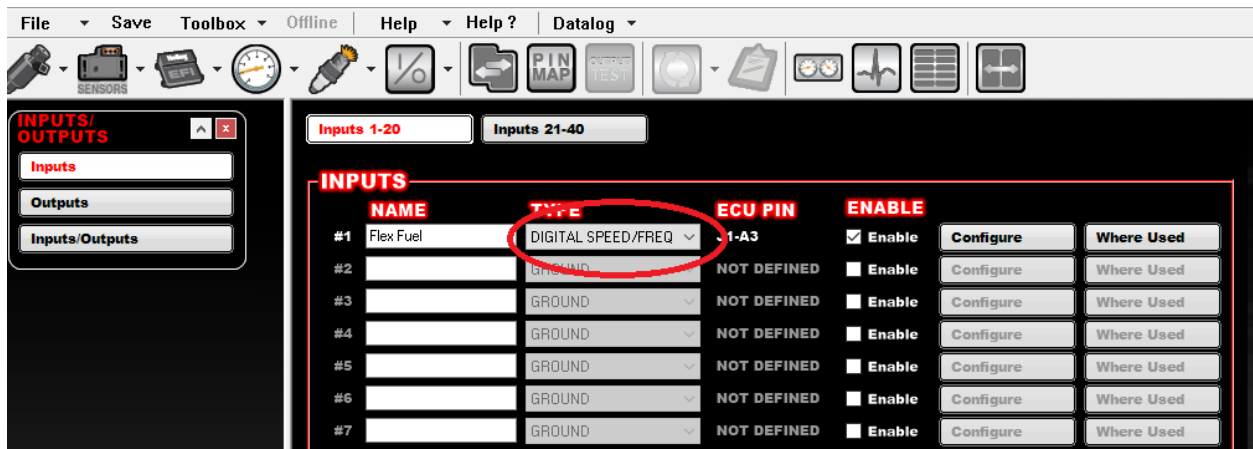
Continue step 6 through 10 if using the included wiring harness

6. Through your firewall grommet push the wiring harness end that says “power tap” through along with the loose blue wire that says “flex input”
7. Connect the “power tap” connection on your Holley main harness with the corresponding new harness connection
8. Select which Input wire on your Holley inputs/outputs harness you will use for the sensor and splice this connection together. Be sure you confirm the input wire being used to be able to setup the software appropriately.
9. Pull the remaining slack in the new flex fuel harness through the firewall and make your connection on the flex fuel sensor assembly. The included harness is 60” long so there should be enough length to make your connection. Wiring can be cut and extended if necessary.
10. Secure any remaining slack for the new flex fuel harness with zip ties.

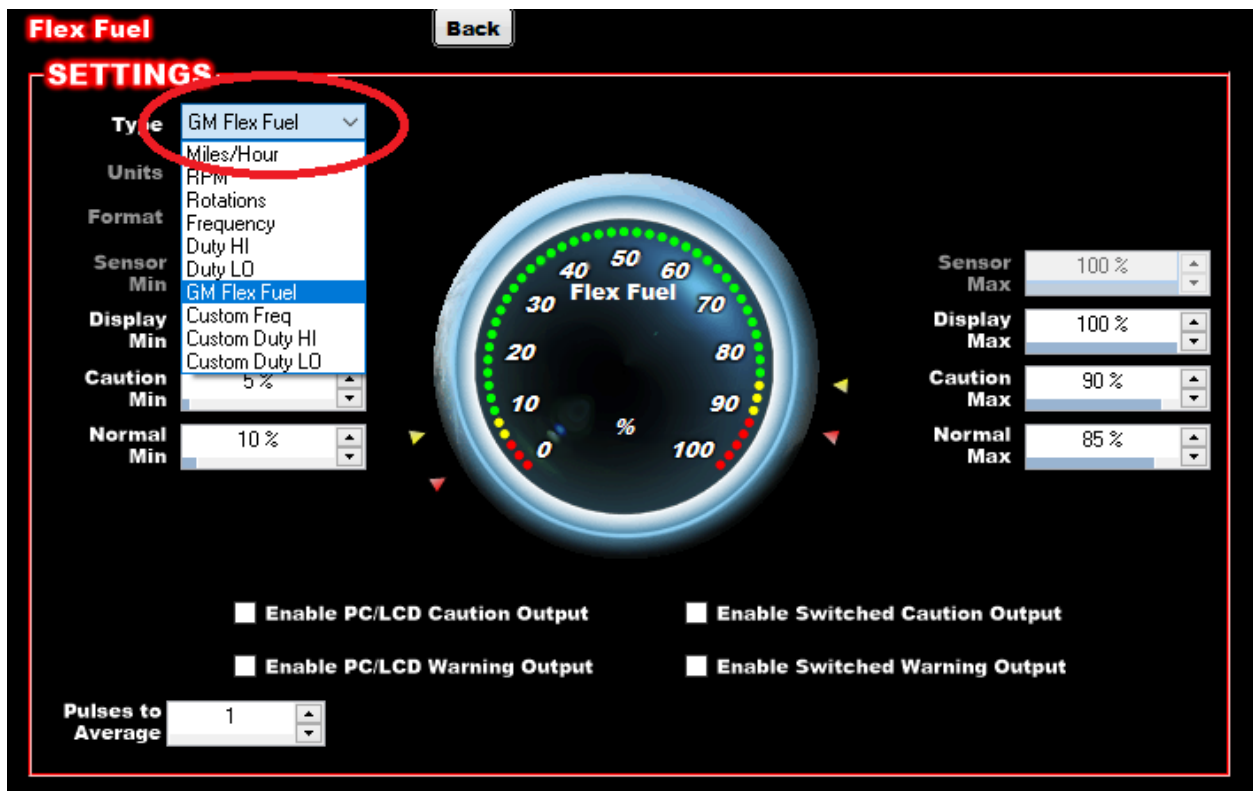
Software Setup

There are multiple ways to setup your flex fuel sensor in the Holley software. Below is a common way to get started.

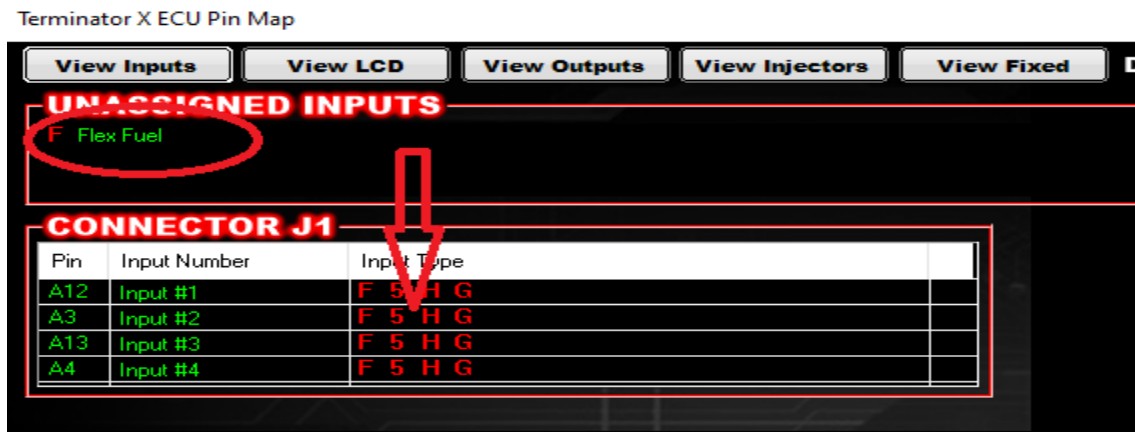
Go to your Inputs/Outputs icon and click on inputs. You will click on the “enable” box to allow it to be edited. You can type in the name category what the input will be named. You will select from the drop down menu the “digital speed/frequency option. Once done there you will click on “configure”.



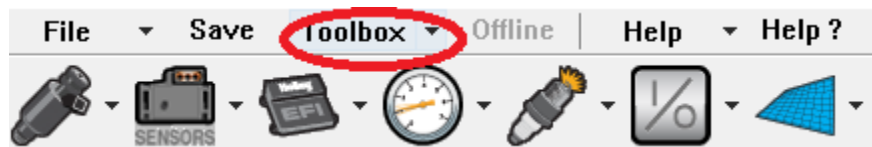
You can select under type from the drop-down menu, there will be an option for GM flex fuel sensor. You can edit the display min/max values from there if you desire.



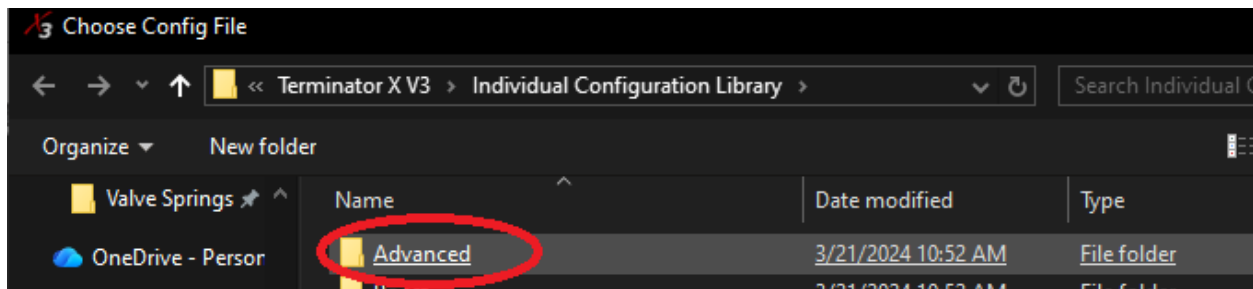
You will now pin the input for your flex fuel sensor. You will click on the “pin map” icon at the top of the software. Click on “view inputs”. Be sure you drag it to the appropriate input you wired the sensor input wire to.



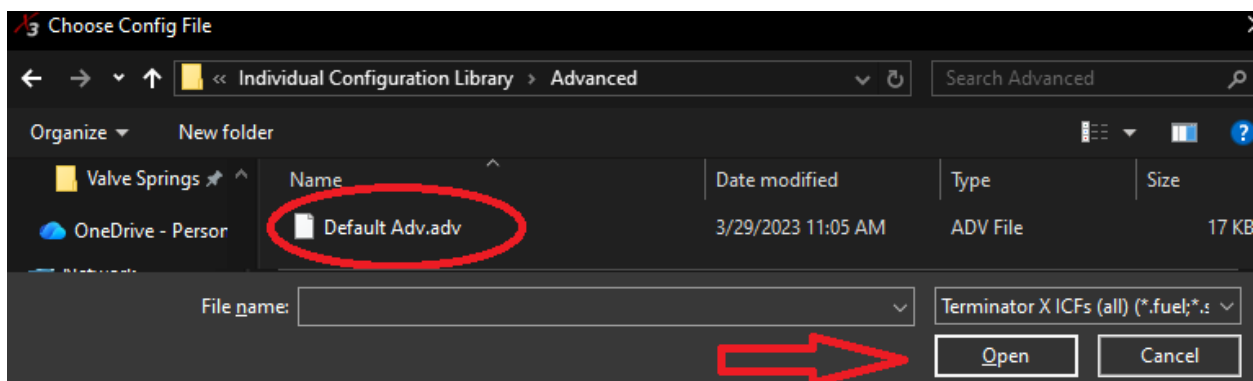
You will now create a custom 1D table to correlate the sensor readings into fuel adjustments. Multiple options can be made here but this is a simple one that can be made as a starting point. Click on the toolbox icon and select add individual configuration.



Click on the “advanced” option



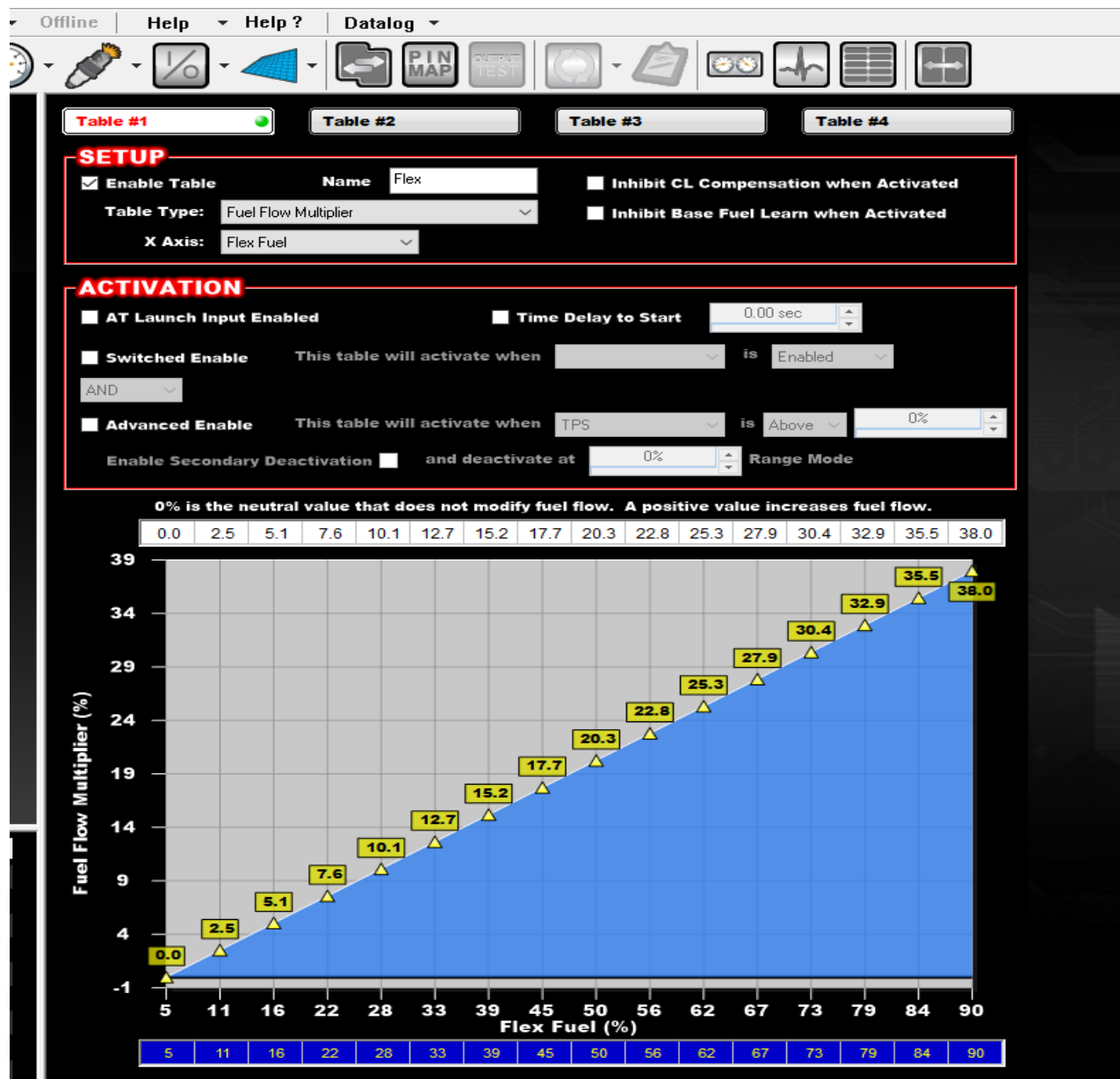
Click on the “default adv” option and click open



A warning screen will appear; you will click “yes”. You will see the advanced table icon appear on the software. Click on the icon and then click on 1D tables.



This is an example of how you can set up the table and axis. Again, the setup below is just a starting point and can be adjusted by your installer/tuner. Click “enable table” and begin selecting the axis. The X axis will be the flex sensor. Fuel flow multiplier as the Y axis is common use for % increase/decrease.



We recommend adjusting the flex fuel % appropriately to your vehicle’s liking when it is up and running.