

## Self-Programming Throttle Position Activation Switch (W/2 LEDs) PN 15961

The NX TPAS is more durable and contains short circuit protection that other similar products do not. The TPAS is designed to work with most domestic and import EFI vehicles. The NX TPAS is designed to trigger a relay, 1 amp maximum current draw, at or near wide open throttle and automatically calibrates itself to work with rising or falling signal.

1. Unlike other currently available units, the NX TPAS may be installed under the hood. Mount the unit in a place that it will be easy to access the learn button and view the LEDs. Make sure the unit is located away from any heat source, i.e. exhaust manifold, header, or EGR.
2. Following the wiring diagram, route all wires but make no connections.

3. You must determine which wire on your vehicle's TPS is the output signal to the vehicles computer. Refer to your vehicle's service manual to determine which wire is the output wire.
4. Connect all wires per *NX Self-Programming Throttle Position Activation Switch* wiring diagram using a 1 to 3 amp fuse in series with the red wire.

5. On initial power up, press and hold the button while turning on switched +12 volts. The green LED should begin flashing indicating that the unit is not programmed.

6. Release the button.

7. With the throttle at pedal at idle position, press and hold the button until the red LED comes on (approximately 4 seconds). The green LED will continue to flash. Release the button and leave the throttle at Idle. The unit is now calibrating the idle position and making sure that the idle signal is stable. Wait for both LED's to turn off.

8. Now move throttle to wide open and hold for 1 second, then release back to idle (Red LED should come on to indicate that its working and waiting to check the calibration).

9. To check the calibration, move throttle to wide open again and then release to idle a second time. Once the check is complete, the Red LED will turn off and the Green LED will turn on indicating that the unit is calibrated and armed.

10. Once calibrated, the unit will activate the relay when the throttle opens to 90% or more and it will remain on as long as the throttle is between 90% and 100%. (When the relay is activated, both the red and green LEDs will be on). When the throttle closes to less than 90%, the unit will turn the relay and the red LED off. The green LED will remain on indicating that the unit is re-armed and ready for the next run.

11. If at any time during the calibration process the green and red LED's flash rapidly in an alternating pattern, that means the calibration was not completed correctly. This can be the result of one of two things. Either the throttle was moved while it was calibrating the idle position or the TPS signal is not stable. Check wiring and recalibrate (go to step 3).

