

# Electronic TPS Switch Installation

**1.** Using a **digital** volt meter and with the ignition switched **on**, determine which wire on the throttle position sensor gives either a 0 to 5 volt reading (or the reverse on some applications) as the throttle is activated. When you have determined the right wire on your TPS sensor, connect the **white** wire from the TP1 unit to it by stripping the wire and making a soldered connection.

**2. For direct feed from battery:** Wire the remaining wires as shown (Fig.1), but leave the pink (pink wire will activate the solenoids) and red wires disconnected. **a)** Turn the ignition on. **b)** Press and hold the TPS set button and touch/connect the red TPS wire to power (12 V). Release the set button and the led should illuminate for 2 seconds. **c)** Open the throttle using the pedal to the position that you want the nitrous system to activate (between 80 and 90% of full throttle) and then briefly press the set button again. The LED should illuminate for 2 seconds again and then switch off, which indicates that the unit is ready for use. Opening the throttle to WOT should now cause the LED to illuminate. **d)** Now wire remaining wires with power switched off.

**3. For connection to 12V ignition:** Wire the remaining wires as shown (Fig.1), but leave the pink (pink wire will activate the solenoids) disconnected. **a)** Press and hold down the set button with the ignition turned off. **b)** Turn on the ignition switch to IGN only (**not Start**) and release the set button. The LED should illuminate for 2 seconds after you release the set button. **c)** Open the throttle using the pedal to the position that you want the nitrous system to activate (between 80 and 90% of full throttle) and then briefly press the set button again. The LED should illuminate for 2 seconds again and then switch off, which indicates that the unit is ready for use. Opening the throttle to WOT should now cause the LED to illuminate. **d)** Connect the **pink** wire as shown (Fig.1) after the unit has been set

**4.** Operating the pedal/throttle past the **set** position should activate the relay and pulsoids, at this time the LED should light up.

**Fig. 1**

