



Trick Performance Products

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"It's only worth using if it's Trick"

## TPP-00008

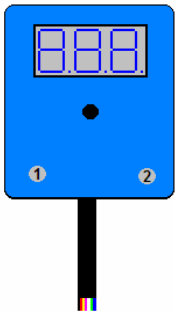
# Digital Delay Timer with TPS and Trans-brake inputs.

## Operation

The TRICK Digital Delay timer is a single channel dual output delay timer. TPS and Trans-brake inputs, allow the user to control many different time delayed items. This unit works with most OEM TPS signals, and Wide Open Throttle switches that are hot or ground activated.

This unit has a settable pause/resume mode for clutch cars. The Trans-brake input holds the count down while trans-brake or clutch switch is activated.

The TRICK Digital Delay Timer requires 9~18 volts to operate correctly. The output lines when activated (ON) have a maximum current rating of 1 amp. NEVER CONNECT TO ANYTHING WITH A HIGHER AMP DRAW OR YOU WILL DAMAGE THE UNIT.



## Programming the RPM Window Switch

**Switch #1** - toggles through the configuration menu. As you toggle through the configuration menu, the stored value will be displayed. Each time you push Switch #1 it will move the flashing character to the next digit. EXP. Space "B" will be flashing while making changes to this field (using switch 2), push switch 1 when you are ready to move to space "C" Each step is programmed the same way. In run mode, Switch #1 controls the seconds if you want to make a last minute change to your delay timer. **This change will not saved it is only for last minute adjustment. If you want to save that time you will need to re-enter the programming mode and make the adjustment there. EXAMPLE: you**

**have already programmed your box but you want another second of delay, pressing button 1 once will increase your delay by 1 second. Once you cycle power your DDT will return to the programmed delay.**

**Switch #2** - increments the flashing value that was selected by switch #1. Push Switch #2 to get the flashing character to the number you need for programming your application. EXP. Each time switch #2 is pushed the field that is flashing will increase by a value of 1. In run mode, Switch # controls the tenth of seconds is if you want to make a last minute change to your delay timer. **This change will not saved it is only for last minute adjustment. If you want to save that time you will need to reenter the programming mode and make the adjustment there. EXAMPLE: you have already programmed your box but you want another tenth second of delay, pressing button .1 once will increase your delay by .1 second. Once you cycle power your DDT will return to the programmed delay.**

## DISPLAY

**When you first power-up/ARM the DDT, it will display the amount of time you have programmed into your unit. When activated the delay timer will start its count down; once at 0.0 the outputs will be activated.**

## TRANS-BRAKE INPUT WIRE.

The (GREEN) Trans-brake input wire is an interrupter wire. It can be attached to any type of LAUNCH CONTROL switch, trans-brake, clutch, line-lock etc. When 12volts are applied to this wire the delay timer will not count down. This feature stops you from adding other relays to your wiring. If you do not need this feature seal the end of the wire and leave it disconnected.

**To enter the programming mode**, press and hold **both** switches until “Pro” is displayed. Now release the switches and the unit will automatically go to the first configuration step.



## STEP 1. Reset/Resume set-up



You will only see with the **LAST** digit blinking and your options are 0 or 1. Pushing the #2 button will switch between these two options.

1: 0 = Reset/resume is off.

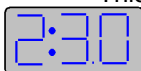
1: 1 = Reset/resume is on.

This feature lets the **DDT** know if you are resetting the timer every time you un-trigger the TPS wire. EXAMPLE: If the **DDT** is set to 0 once the delay is over every time you cycle your TPS wire, there will be NO more delay until you disarm and rearm the controller. While in this mode; if you deactivate the TPS wire (off the throttle) while in the count down the **DDT** will hold the amount of delay until you reactivate the TPS wire..

If **DDT** is set to 1 then every time you deactivate the TPS and reactivate it, your Delay will reset to the programmed delayed time. Even if you cycle the activation while in the delay countdown your programmer will reset to the programmed delayed time.

## STEP 2. Time Delay

This is where you will program the amount of delay time you want before the output wires activate.



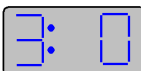
You will only see the **2<sup>nd</sup>** digit blinking. This is your seconds of delay. Push the #2 switch to cycle through the digits to set the amount of seconds you want to delay. Once you have the seconds you want push button 1. Now your **3<sup>rd</sup>** digit is blinking. This is your **10<sup>th</sup>** of seconds of delay. Push the #2 switch to cycle through the digits to set the amount of **10<sup>th</sup>** of seconds you want to delay.



Example: This is 3.1 second of delay from the point of activation.

Once you have the delay you want push button 1.

## STEP 3. TPAS Mode.



You will only see the **LAST** led blinking and your options are 0, 1, OR 2.

3: 0 = “grounded” WOT switch

3: 1 = “hot” WOT switch

3: 2 = TPS signal to PCM

## STEP 4. TPS WOT setting



**Note: only applies if Step 3 is configured as 002**

**6:B.C** = WOT voltage

While at IDLE, press switch #2 to read and display the TPS signal. Pop the throttle to open it all the way – the unit only needs to see WOT for a fraction of a second. Now press switch #1 to save the displayed value. (You do not have to be at WOT when you press switch #1 to save)

**Fly By Wire cars should go for a test drive for step 8. Since the throttle blade may have some delay in throttle speed vs pedal speed.**

Push Switch #1 and You will see **End** this indicates the programming is complete. If at any point you see **Err**, the unit has had an internal malfunction. Turn the power off and back on and try again.

**DISCLAIMER:**

Trick Performance Products, LLC may not be held responsible for any damages, how so ever caused, to any persons or equipment during the installation and or operation of this product. Trick Performance Products are meant for OFF-ROAD use only, and make no claims as to this products ability to meet local safety or emissions laws.

**WARRANTY:**

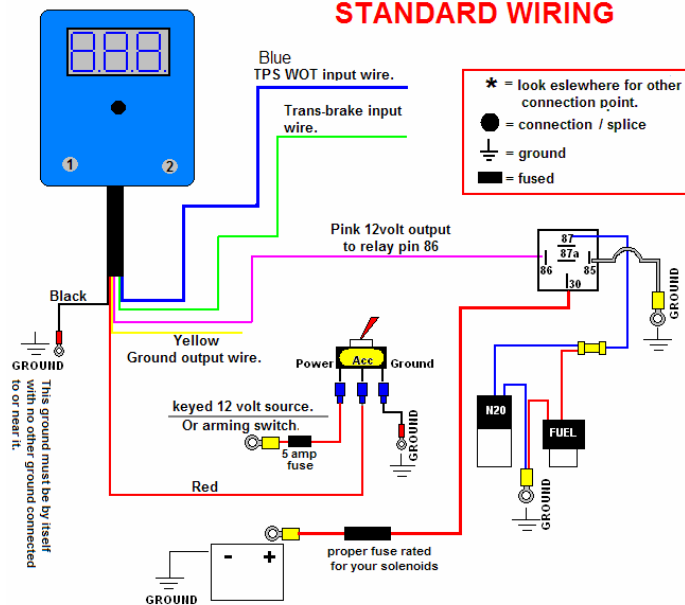
Trick Performance Products, LLC (TPP ) warrants the material and workmanship of the equipment, components and parts manufactured by TPP LLC against defects under normal use and service. This warranty shall extend for 90 days from the date of purchase provided that the customer first returns the defective part or component through an authorized dealer, shipping costs prepaid. Prior to returning a product for warranty inspection, the customer must contact TPP's service department with the product serial number to receive a WARRANT CLAIM NUMBER. Units returned without this number will be delayed or refused.

TPP may at its option, repair or replace without cost for parts and labor, the defective product. This warranty does not cover finishes, normal wear and tear, nor does it cover damage resulting from accident, misuse, dirt, tampering, unreasonable use, service attempted or performed by unauthorized service agencies, ACTS of Devine intervention, failure to provide reasonable maintenance, or that have been modified or used for commercial reasons.

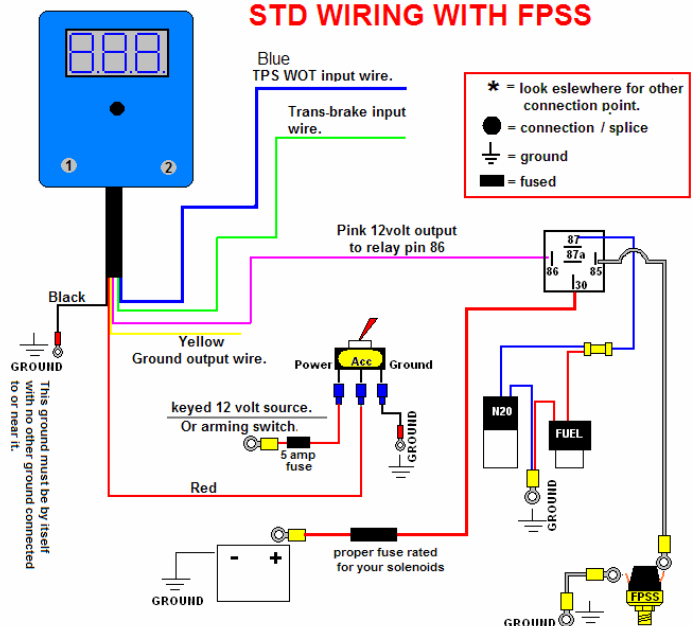
TPP specifically does not warrant equipment, parts or components purchased by TPP or the customer from any third party manufacturers or suppliers. Rather, for and defect equipment, parts and components purchased from third party manufacturers or suppliers, the customer shall have a recourse only to the terms of the warranty of that particular manufacturer or supplier. Any recommendations made by the third party manufacturer or suppliers concerning the use or application of their products are those of the manufacturer or suppliers, and TPP extends no warranty with respect to the results obtained for their use. TPP does not warranty those products in any way beyond the tern of the warranty extended by the manufacturer or supplier.

The warranty provided above, TPP's obligations and liabilities hereafter, and the rights and remedies of the customer are exclusive and is substitution for, and the customer waives all other warranties, guarantees, obligations, liabilities, rights and remedies, expressed or implied, arising by law or otherwise, including ( without limitation ) the implied warranties of merchantability or fitness or purpose, and any obligations or liability or TPP arising from tort, or loss of use, revenue or profit, or the incidental or consequential damage.

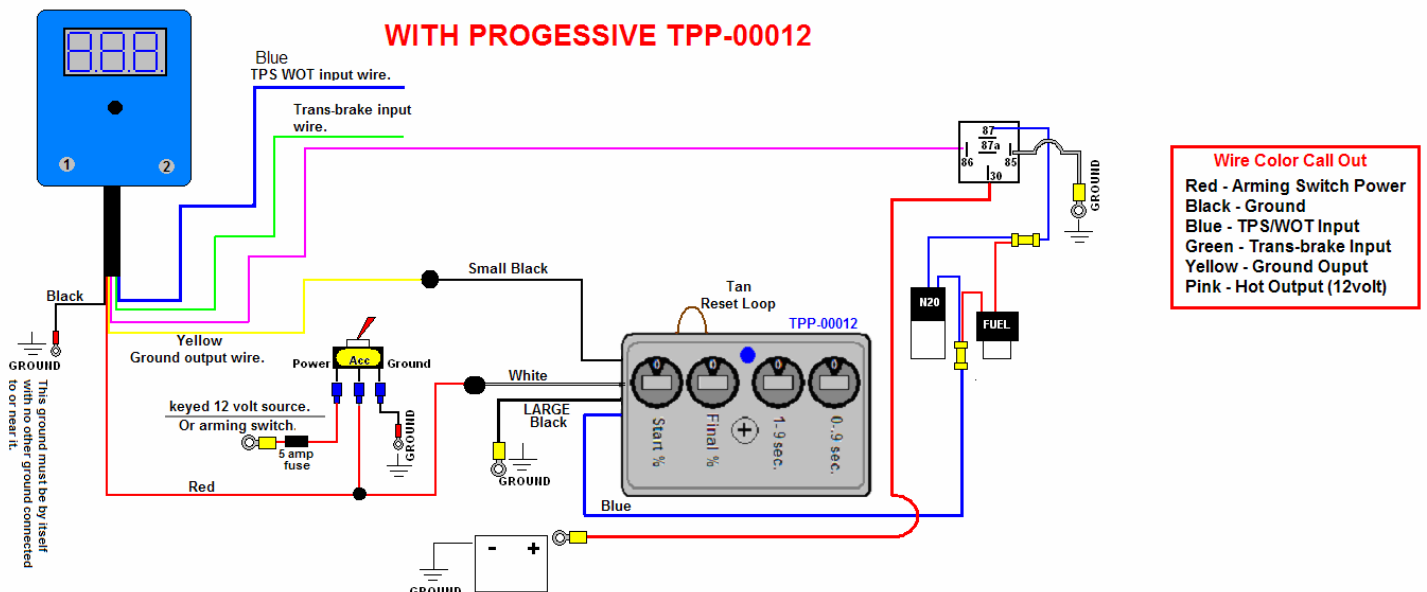
**STANDARD WIRING**



**STD WIRING WITH FPSS**



**WITH PROGRESSIVE TPP-00012**



# SINGLE CHANNEL WINDOW SWITCH

