

MPS Digital Timer Installation Instructions

The MPS Digital Timer is a multi purpose timer easily used to control nitrous oxide, timing retards, throttle stops, 1-2-3 auto trans kill controller, or waste gates.

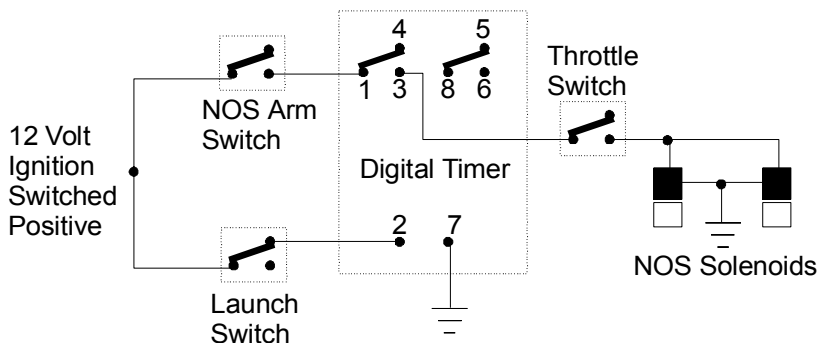
Mounting – The Digital Timer should be mounted as vibration resistant as possible. They have been known to vibrate apart if mounted improperly. Using pieces of closed cell foam to isolate the timer from vibration will help extend the life of the timer.

Electrical – The Digital Timer has two separate control circuits. This means you can perform two separate functions at the same time. This is convenient for activating both the nitrous and the timing retard at the same time. On the base of the timer



above the terminal screws is a terminal number. The first control circuit uses terminal # 1 as common, terminal # 4 as normally closed, and terminal #3 as normally open. The second control circuit uses terminal # 8 as common, terminal # 5 as normally closed, and terminal # 6 as normally open. The timing cycle is started when the # 2 terminal is connected to a 12 volt positive and the # 7 terminal is connected to a ground. The timing cycle can be activated by either a 12 volt positive or a ground signal. To use a 12 volt positive signal to activate the timer you connect # 7 to a ground. Now when a 12 volt positive signal is applied to terminal # 2 the timing cycle is activated. To use a ground signal to activate the timer you connect # 2 to a ignition switched 12 volt positive. Now when a ground signal is applied to terminal # 7 the timing cycle is activated. Most applications for will be activated by a clutch or launch button switch. Whether to use a switched ground or switched power system depends on what type of launch rev limiter used.

Typical Timer NOS Wiring



Setting – Be sure to set the range selector knob to the 9.99S setting. This represents the 0-9.99 seconds mode. Set to this range the first digit on the left is seconds. The second digit is tenths of a second. The third digit is hundredths of a second. For example a setting of 325 would be 3.25 seconds.

If you have any more questions we have a Frequently Asked Questions page at our web site as well as the telephone tech support. Thank you for your purchase of this MPS product. All products sold by MPS are for use at closed course competition events and not for use on public streets or highways.