

## APPLICATIONS

**Std. / MSD Ignition** - The RPM Switch is designed to work directly with any "Standard" ignition (dual point, HEI, UniLite) or with a MSD Ignition (7-AL2, 6-AL, etc.), on an 8 cylinder engine. It can be modified to work with Accel Laser II ignitions and V6 engines (please call).

**Magneto Ignitions** - The RPM Switch can be used on magneto ignitions **when the optional PULSE GENERATOR part # PG-8 is used (distributors with mechanical Tach drive only!).**

## WIRING

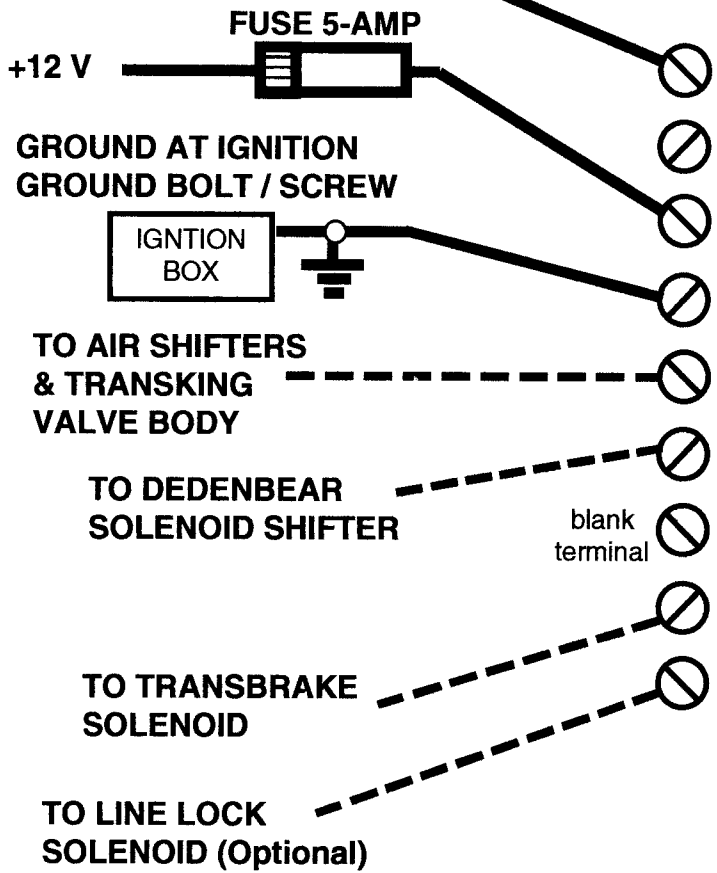
- TRIGGER** - This terminal is wired to the (-) negative side of the coil on Standard ignitions, or to "Tach" output on the MSD Ignitions.  
- PULSE GENERATOR: Attach "white" wire here.
- S.O.V.** - This terminal is not used with Standard / MSD Ignitions.  
- PULSE GENERATOR: Attach "red" wire here.
- +12V** - This terminal is wired to a +12volt power source (Switch panel, fuse block, etc.)  
**(IMPORTANT: A 5 AMP FUSE MUST BE USED ON THIS WIRE, OR DAMAGE TO THE RPM SWITCH WILL OCCUR.)**
- GRND.** - This terminal **must** be wired to (-) negative "ground" **at the ignition box itself!**  
- PULSE GENERATOR: Attach "black" wire here, and also connect to chassis "ground".
- N.O.** - Normally Open: This terminal **has no power below rpm setting**, and will **apply +12v** at selected rpm setting. **(MAX. OUTPUT = 5 AMPS)**  
Use this for Dedenbear air / CO<sub>2</sub> shifters, shift lights, nitrous.  
Not for Dedenbear Solenoid Shifter.  
**\* Do Not use directly with any solenoid shifter that uses more than 5 amps!**
- N.C.** - Normally Closed: This terminal **has +12v below rpm setting**, and will **remove +12v** at selected rpm setting. **(MAX. OUTPUT = 5 AMPS)**  
Use this for Dedenbear Solenoid Shifter.
- TRANSBRAKE** - This terminal is wired to the transbrake solenoid. It controls the built-in time delay (0.5 sec.) "disable" feature. When the transbrake solenoid is released (ie: launch) the RPM-2 is disabled for 0.5 seconds, not allowing the box to activate prematurely due to tire-spin, converter flash, etc., should it reach the rpm setting.
- LINE LOCK** - (Optional hook-up) This terminal does the same as the above "Transbrake" terminal, except it is separated from the transbrake terminal (diode protected). It allows you to do a burn-out and not shift while the front linelock solenoid is engaged.

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**MANUAL UPSHIFT BUTTON** - This button can be pressed at any time to "trigger" the rpm box into switching. Press during a run to short shift, or in the pits to test the output of the box. The motor does not need to be running to operate this feature.

**SEE BACK OF INSTRUCTIONS FOR WIRING AND WARRANTY INFORMATION**

TO (-) NEG. SIDE OF COIL ON  
STANDARD IGNITIONS OR TO  
"TACH" OUTPUT ON MSD  
IGNITIONS



|                                  |                                 |  |
|----------------------------------|---------------------------------|--|
| TRIGGER                          | MANUAL                          |  |
| S.O.V.                           | UPSHIFT                         |  |
| +12V                             |                                 |  |
| GRND.                            |                                 |  |
| N.O.                             |                                 |  |
| N.C.                             |                                 |  |
| <b>RPM SWITCH</b><br>Model RPM-2 |                                 |  |
| TRANSBRAKE                       | <u>DEDENBEAR Products, Inc.</u> |  |
| LINE LOCK                        |                                 |  |

**NOTE: IT IS IMPORTANT TO RUN THE "GROUND" WIRE FOR THE RPM SWITCH ALL THE WAY TO THE IGNITION GROUND SCREW / BOLT. THIS IS SO THE RPM BOX CAN REFERENCE "COMMON GROUND" WITH THE IGNITION SYSTEM.**

**LIMITED 1 YEAR WARRANTY**

Dedenbear Products components are warranted directly by Dedenbear Products against defective materials or workmanship under normal use and service for a period of one (1) year after purchase. Dedenbear Products will repair or replace the defective unit, at Dedenbear Products option, free of charge. This warranty does not cover any damage to the component caused by abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow installation/operating instructions, maintenance, storage and environmental conditions, acts of God, or repair attempts made by anyone other than Dedenbear Products Authorized Service facility.

DEDENBEAR PRODUCTS SHALL NOT BE LIABLE FOR INJURY, CONSEQUENTIAL, OR OTHER TYPE DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS, OTHER THAN THE LIABILITY STATED ABOVE. This warranty is in lieu of all other warranties of merchantability or fitness of use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.