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 / CO₂ shifter, 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.

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

FUSE 5-AMP

GROUND AT IGNITION GROUND BOLT / SCREW

IGNITION BOX

TO AIR SHIFTERS & TRANSKING VALVE BODY

TO DEDENBEAR SOLENOID SHIFTER

blank terminal

TO TRANSBRAKE SOLENOID

TO LINE LOCK SOLENOID (Optional)

TRIGGER
S.O.V.
+12 V
GRND.
N.O.
N.C.

UPSHIFT

RPM SWITCH
Model RPM-2

TRANSBRAKE
LINE LOCK

DEDENBEAR Products, Inc.
1917 Oak Park Blvd. • Pleasant Hill CA 94523 • (925)935-3025

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.

FOR SERVICE on all Dedenbear Products, return directly to: DEDENBEAR PRODUCTS, INC. • ATTN: REPAIRS • 1917 OAK PARK BLVD. • PLEASANT HILL, CA 94523. For Faster Service, please include a note describing the nature of the problem, a copy of your original invoice, your name, return shipping address, and daytime & evening phone numbers where you can be reached. Or call us and we’ll take down the information. Normal turn-around time on service is typically 24-48 hours.

CUSTOMER SERVICE & TECH. SUPPORT : (925)935-3025 Mon-Fri 8am-5pm PST