VEI Systems Installation Instructions
V1-IND-Sx – 7 Indicators

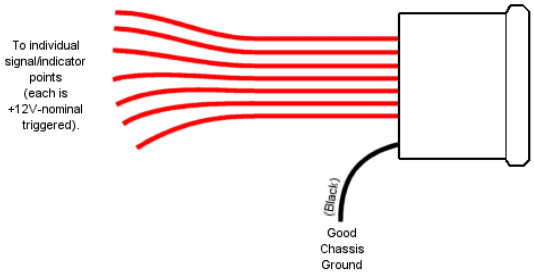
Please read these instructions completely before beginning installation to ensure that you have the tools and skills necessary for installation and operation of this instrument. If you are not sure that you can perform the installation safely, then consult a qualified installer. Further instructions available at www.VEISystems.com/technical.html .

MOUNTING

Install the unit through the front of the mounting hole in the dash pod or panel. If you are making a custom dash panel, you will need to drill a 1-5/8" hole. Slide the clamp onto the stud on the back of the instrument. Secure with the thumb-nuts. Use a small drop of threadlocker or nail polish on the thumb-nut to prevent it from loosening under vibration.

WIRING

The wires should be connected as below using crimp-on butt-splice connectors, or soldered and sealed with heat-shrink tubing. Before connecting any wires, you should either disconnect the battery power, or carefully connect the wires in the order shown. If not, you may damage the instrument. Use an existing fuse in the fuse panel, or an external fuse to supply power to the instrument. The V1 series instruments use an 105mA of current avg. and 175mA max, so ensure the fuse is sized appropriately. For a typical 6- or 7-gauge setup, a single 5 Amp fuse is good.



- BLACK -- connect to a solid chassis ground under the dashboard, or directly to the battery. You may need to expose the metal connection point under the dash by scraping or lightly sanding it. A ring terminal and a screw should work well in most cases.

- RED – each of these triggers an individual signal. Temporarily connect each to a +12V point or the positive side of a 9V battery (with the negative side of the 9V battery to the black wire on the instrument) to determine which wire controls with indicator. The individual signals are positive-triggered, so if your vehicle uses any negative-triggered signals (0V is active), you will need to use a relay or other arrangement to switch these.

NOTE

Current consumption on each of the signals is very low (approximately 25mA at 13.8V) at you should not need any other drivers for the various signals. However, please verify this first by consulting the vehicle's service manual or qualified automotive electrician.

WARRANTY & LIABILITY

Neither VEI Systems, nor its dealers or agents shall be liable in any way, for any damage, loss, injury or other claims, resulting from the installation or use of this product. By purchasing or installing this product, you assume all liability of any kind connected with the use and/or application of this product. If you are unsure that you can safely install and use this product, consult a qualified installer or mechanic. The warranty on this product covers only the product itself for a period of 1 year from the date of purchase, and it will be at our discretion to repair or replace the affected parts. No user serviceable parts inside. Warranty void if product enclosure opened.